

# *University of Central Oklahoma*

## 2020-2021 Undergraduate Catalog



### Equal Opportunity Statement

The University is committed to an inclusive educational and employment environment that provides equal opportunity and access to all qualified persons. The University will continue its policy of fair and equal employment and educational practices without discrimination or harassment because of actual or perceived race, creed, color, religion, alienage or national origin, genetic information, ancestry, citizenship status, age, disability or handicap, gender, marital status, veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by applicable federal, state, or local laws. Discrimination or harassment in violation of this policy should be reported to the Affirmative Action Officer (Office of General Counsel) in person at Old North 304 or by phone at (405) 974-3377 or fax at (405) 974-3807. After office hours or on holidays, the report may be made by contacting University Police Services at (405) 974-2345.

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## *Welcome from the President*

Welcome to UCO and your future!

You've made an important decision to pursue your education and we're happy you've chosen to join the University of Central Oklahoma on your journey. Our community has been designed with your success in mind. You are fortunate to have access to premier faculty that are recognized in their disciplines as leading educators in the state and nation. Our student services have earned our institution national recognition as a school where your engagement is a top priority. We work every day to improve the experience you will have here as a student.

What you learn here will challenge your thinking, stretch your paradigms and expand your perspectives. I hope that you will embrace the values upon which we have built this community for you. We celebrate our differences and honor each other through a sense of community. Intellectual, cultural and social experiences on campus will help you gain a stronger sense of self and the world. This opportunity-rich environment surrounds you and awaits your curiosity and engagement.

Every member of our community is here to help you learn, succeed and graduate. We stand beside you and believe in you.

Welcome to your new Broncho family at the University of Central Oklahoma.

A handwritten signature in black ink, which appears to read "Patti Neuhold-Ravikumar". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

**Patti Neuhold-Ravikumar**  
**President**  
**University of Central Oklahoma**

## *Welcome from the Co-Interim Vice Presidents for Academic Affairs*

Greetings! We are delighted to have you consider joining us at the University of Central Oklahoma.

Our distinguished faculty and committed staff members support your educational objectives with a curriculum that is built on a strong foundation of the liberal arts along with high-impact learning experiences that we term the Central Six of Transformative Learning. These include opportunities to develop your leadership abilities; support your involvement in research, creative and scholarly activities; foster your connections with the community and world; and to encourage your health and wellness. We now offer cutting-edge approaches to making these activities a part of the record of your total experience at UCO.

Together with hundreds of dedicated faculty and staff members across the university, we look forward to working with President Patti Neuhold-Ravikumar and our President's Cabinet colleagues to support you during your time on our main campus in Edmond as well as our downtown Oklahoma City locations.

We sincerely hope that you will become a member of our dynamic learning environment at UCO.

Learning is our passion. We want it to be your passion as well.

Welcome to UCO.

Charlotte K. Simmons, Ph.D. and Gary A. Steward, Jr., Ph.D.  
Co-Interim Vice Presidents for Academic Affairs

# About UCO

## Mission Statement

The University of Central Oklahoma exists to help students learn by providing transformative educational experiences to students so that they may become productive, creative, ethical and engaged citizens and leaders serving our global community.

UCO contributes to the intellectual, cultural, economic and social advancement of the communities and individuals it serves.

## Transformative Learning Definition and Goals

At the University of Central Oklahoma, we are guided by the mission of helping students learn by providing transformative experiences so that they may become productive, creative, ethical and engaged citizens and leaders contributing to the intellectual, cultural, economic and social advancement of the communities they serve.

Transformative Learning at the University of Central Oklahoma is a holistic process that places students at the center of their own active and reflective learning experiences. Transformative Learning (TL) develops beyond-disciplinary skills and expands students' perspectives of their relationships to self, others, community, and environment. Students at the University of Central Oklahoma will have transformative learning experiences in the following six core areas referred to as the Central Six:

- 1 Discipline Knowledge
- 2 Global and Cultural Competencies
- 3 Health and Wellness
- 4 Leadership
- 5 Research, Creative and Scholarly Activities
- 6 Service Learning and Civic Engagement

UCO accomplishes TL via the Student Transformative Learning Record (STLR) process. STLR routes potentially transformative experiences through assignments and/or activities connected to one or more of UCO's Central Six Tenets. Trained faculty and Student Affairs professionals use robust and vetted STLR rubrics to rate these experiences. Students gather the ratings, their TL assessed work, and the STLR rubric feedback in their STLR eportfolios then display their STLR achievements in their STLR Snapshot. Students present their eportfolios and/or Snapshots to employers, graduate schools, and others as evidence they possess beyond-disciplinary skills necessary for success in the workplace, the family, the community, and for life-long, life-wide learning.

UCO believes that Transformative Learning:

- develops students' beyond-disciplinary skills, and
- expands students' perspectives of their relationships with self, others, the community, and the environment.

For a more in-depth description of STLR, its connection to UCO's Central Six Tenets, the eportfolio process and Snapshot processes, etc., please visit <https://www.uco.edu/academic-affairs/transformative-learning/>.

## Educational Philosophy

### General Philosophy Statement

Education at UCO involves the active and intentional participation of both students and faculty members. Learning is

most meaningful when students take responsibility for their own education by committing the time, effort and thinking necessary to succeed, interact with faculty members inside and outside of class, engage with other students in the learning process, and pursue opportunities to apply their learning in communities outside the classroom. Faculty create meaningful learning environments when they provide intellectually challenging opportunities, interact with students inside and outside of class, provide timely evaluation of student performance, maintain and communicate high expectations for all students, demonstrate concern for the well-being of students, reflect upon their own practice, and participate in the design and continuous improvement of academic programs.

## Underlying Principles

1. Student-Faculty Contact and Interaction  
Learning is enhanced by frequent student-faculty contact in and out of classes. This is an important factor in student motivation, involvement and success. Knowing a few faculty members well enhances students' intellectual commitment and encourages them to think about their own values and future plans. A faculty member's interest, availability and responsiveness are critical in fostering these changes in students.
2. Cooperation and Collaboration  
Learning is enhanced when students are engaged in cooperative and collaborative activities. Good learning, like good work, is collaborative and social, not competitive and isolated. Working with others often increases involvement in learning. Sharing one's own ideas and responding to others' reaction improves critical thinking and deepens understanding. Learning to work well with peers of diverse background through team activities and projects develops in students the necessary set of skills required for success in life, the workplace, and in a global context.
3. Active Learning  
Learning is enhanced when students are required to become mentally active participants in the learning process. Examples of active learning include requiring students to talk and write about what they are learning, what it means to them, how it relates to past experiences, and how they can apply it to their lives. The ability to reflect about learning and experiences enables students to make what they learn part of themselves.
4. Feedback and Evaluation  
Learning is enhanced by feedback that is prompt, specific and related to articulated learning outcomes. Students benefit from assistance with assessing existing knowledge and competence. Students need frequent opportunities to demonstrate what they know and how they can apply that knowledge. Feedback that includes suggestions for improvement at various points of the semester and throughout their college experience enables them to further reflect on what they have learned, what they still need to learn, and how to become responsible for their own learning including self-assessment and peer evaluation.
5. Time on Task  
Learning is enhanced by maximizing the time that is available. Learning to budget one's time well is critical for students and professionals alike. Students need

help in learning effective time management. Allocating realistic amounts of time means effective learning for students and effective teaching for faculty. How an institution defines time expectations for students, faculty, administrators, and other professional staff can establish the basis for high performance for all.

#### 6. High Expectations

Academic excellence is ensured by having high expectations for students and faculty members. Students are expected to make a significant effort and to demonstrate their responsibility for their own learning. Faculty and staff are expected to model and support students' academic efforts and to demonstrate the importance of life-long learning.

#### 7. Diversity

Learning is enhanced by embracing the diverse talents and approaches students and faculty members bring to the process. Students need the opportunity to show their talents and learn in ways that work for them and be encouraged to develop a more robust array of approaches to learning. We should expect students to learn in multiple ways, as we expect faculty members to approach the art and science of teaching in multiple ways.

#### 8. Modeling Professional Behavior

Learning is enhanced by faculty members modeling professional behavior for students. These behaviors include acting with integrity and being organized, well-prepared, respectful, collaborative, reflective and passionate about one's discipline and learning in general. Modeling the importance of life-long learning and being responsible for one's continued learning and professional and personal development is crucial.

#### 9. Inquiry, Research, Creative and Critical Thinking

Learning is enhanced by engaged students in transformational activities related to understanding the existing theory and knowledge base of their discipline, learning and using tools of inquiry and research and further developing their ability to think creatively, abstractly, and critically.

#### 10. Learning-Centered

In a learning-centered organization, students, faculty and staff are simultaneously challenged and supported by a community of colleagues who demonstrate care, respect, empathy and passion for learning.

## Leadership

At the University of Central Oklahoma, we believe that all students have the capacity to lead. Leadership does not require formal authority or position and can be practiced by anyone interested in making a contribution and influencing a more positive future. Every student leader has the ability to affect individuals, teams, organizations, the community and society. It is our goal as "The Leadership University" to help all students acquire the understandings and to develop those skills necessary to become ethical and productive leaders.

## Equal Opportunity Statement

The University is committed to an inclusive educational and employment environment that provides equal opportunity and access to all qualified persons. The University will continue

its policy of fair and equal employment and educational practices without discrimination or harassment because of actual or perceived race, creed, color, religion, alienage or national origin, genetic information, ancestry, citizenship status, age, disability or handicap, gender, marital status, veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by applicable federal, state, or local laws. Discrimination or harassment in violation of this policy should be reported to the Affirmative Action Officer (Office of General Counsel) in person at Old North 304 or by phone at (405) 974-3377 or fax at (405) 974-3807.

After office hours or on holidays, the report may be made by contacting University Police Services at (405) 974-2345.

## Title IX

Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681) is an all-encompassing federal law that prohibits discrimination on the basis of sex in educational programs and activities that receive federal financial assistance. Consistent with this obligation, the University of Central Oklahoma prohibits discrimination and harassment on the basis of sex in academics, employment, and all of its programs and activities.

The Title IX Coordinator is charged with monitoring compliance with these regulations. All faculty and staff (exempt staff include licensed mental health counselors, medical health professional, and clergy) are required to report any discrimination, harassment, or violence. Any person who experiences sexual harassment, assault, stalking, violence or any other form of sex-based discrimination is encouraged to report the matter or seek confidential support. For more information about your options, including reporting and confidential resources, please visit: <https://www.uco.edu/student-resources/title-ix-office/>.

Title IX Coordinator

Paul Goertemiller

Nigh University Center, Room 323

Box 300

Edmond, OK 73034

Phone: (405) 974-5380

[TitleIX@uco.edu](mailto:TitleIX@uco.edu)

## Diversity Statement

The University of Central Oklahoma (UCO)'s explicit commitment to diversity is essential in fulfilling the university's mission to provide transformative educational experiences to students so that they may become productive, creative, ethical and engaged citizens and leaders serving the global community.

Diversity encompasses a range of values, personal experiences, and worldviews that arise from differences of culture and circumstance, including differences of actual or perceived race, creed, color, ethnicity, geography, gender, gender identity or expression, sexual orientation, age, religion, alienage or national origin, genetic information, citizenship status, socioeconomic status, language, ability/disability, status as a veteran, marital status, learning style and immigration status, among other forms of diversity.

Diverse backgrounds broaden and deepen the educational experience and scholarly environment that are essential to achieving academic excellence. UCO promotes academic excellence and enhances the scholarly and creative environment by systematically pursuing the following goals:

- To promote diversity by encouraging students from diverse and underrepresented backgrounds to enroll at and to graduate from UCO.
- To recruit and retain faculty and staff from diverse and underrepresented backgrounds.
- To foster an institutional culture that values a diverse community and that invites authentic interaction among the members of that community.

UCO recognizes that enhancing diversity in service to the university's mission and goals requires leadership, commitment and consistency. Leaders at all levels have an obligation as they build upon this commitment to embrace and sustain diversity in every area of the university.

UCO vigorously fosters diversity on its campus and in the communities it serves. By valuing and promoting diversity, the university acknowledges uniqueness, similarities, and differences among its stakeholders while providing transformative learning experiences for its students.

UCO celebrates its tradition of inclusion and recognizes that strengthening and expanding diversity on its campus is essential to the university's continued success.

## Accreditation

The University of Central Oklahoma is accredited by the [Higher Learning Commission](http://hlcommission.org) (hlcommission.org), a regional accreditation agency recognized by the U.S. Department of Education.

## Institutional, College, School and Department Accreditations

- The University of Central Oklahoma is accredited by the [National Association of Schools of Art & Design](http://www.nasad.org) (NASAD). NASAD is a specialized accrediting agency for schools of art and design and is recognized by the U.S. Department of Education.
- The University of Central Oklahoma is an accredited member of the [National Association of Schools of Music](http://www.nasm.org) (NASM). NASM is a specialized accrediting agency for schools of music and is recognized by the U.S. Department of Education.
- \* The College of Business is accredited by the [Association to Advance Collegiate Schools of Business](http://www.aacsb.org) (AACSB).

## Specialized Accreditations

Specialized accreditations are granted by the following institutions:

### Undergraduate Accreditations

#### College of Business

- The Bachelor of Business Administration in Management – Professional Golf Management major is accredited by the [Professional Golfers' Association of America \(PGA\)](http://www.pgac.org).
- The Bachelor of Business Administration in Management – Human Resource Management major is accredited by the [Society for Human Resource Management \(SHRM\)](http://www.shrm.org).

#### College of Education and Professional Studies

- The Bachelor of Science in Nutrition, Dietetics and Food Management and the Dietetic Internship Program are accredited by the [Accreditation Council for Education in Nutrition and Dietetics](http://www.cacpn.org).
- The Bachelor of Science in Kinesiology – Exercise Fitness Management is accredited by the [Commission on Accreditation of Allied Health Education Programs \(CAAHEP\)](http://www.caahep.org).

- The university's teacher preparation programs are accredited by the [Council for the Accreditation of Education Preparation \(CAEP\)](http://www.caep.org) and approved by the [Oklahoma Office of Educational Quality & Accountability \(OEQA\)](http://www.oeka.org)
- The Bachelor of Science in Family Life Education program is accredited by the [National Council on Family Relations \(NCFR\)](http://www.ncfr.org).
- The Bachelor of Science in Public Health is approved by the [Society for Public Health Education \(SOPHE\)](http://www.sophe.org) Baccalaureate Program Approval Committee (SABPAC).
- The Bachelor of Science in Education – Early Childhood Education, the Bachelor of Science in Education - Elementary Education, and the Bachelor of Science in Education – Physical Education/Health are approved by the [Oklahoma Office of Educational Quality & Accountability \(OEQA\)](http://www.oeka.org). The Bachelor's programs of Science in Education - Special Education (Mild-Moderate Disabilities & Severe-Profound/Multiple Disabilities) are recognized by the [Council for Exceptional Children \(CEC\)](http://www.cec.sped.org). All are accredited by the [Council for the Accreditation of Education Preparation \(CAEP\)](http://www.caep.org)

### College of Fine Arts and Design

- The Bachelor of Fine Arts in Design - Interior Design major is accredited by the [Council for Interior Design Accreditation \(CIDA\)](http://www.cida.org).
- The Bachelor of Fine Arts in Art - Studio Art program, the Bachelor of Arts in Arts Administration, the Bachelor of Arts in Art History program, the Bachelor of Arts in Art Education program, the Bachelor of Fine Arts in Graphic Design program, the Bachelor of Fine Arts in Interior Design program are accredited by the [National Association of Schools of Art and Design \(NASAD\)](http://www.nasad.org).
- The bachelor's programs in the School of Music are accredited by the [National Association of Schools of Music \(NASM\)](http://www.nasm.org) (with the exception of the Bachelor of Arts in Music, which under review by NASM)..
- The Bachelor of Arts in Education - Art Education, the Bachelor of Arts in Education - Dance Education, and, the Bachelor of Fine Arts in Education - Theatre/Communication Education are approved by the [Oklahoma Office of Educational Quality & Accountability \(OEQA\)](http://www.oeka.org) and are accredited by the [Council for the Accreditation of Education Preparation \(CAEP\)](http://www.caep.org).

### College of Liberal Arts

- The Bachelor of Arts in Education- English Education is recognized by the [National Council of Teachers of English \(NCTE\)](http://www.ncte.org). The Bachelor of Arts in Education- History Education is recognized by the [National Council for the Social Studies \(NCSS\)](http://www.ncss.org). The Bachelor's programs of Arts in Education- Modern Languages Education (French, German, & Spanish) are recognized by the [American Council on the Teaching of Foreign Languages \(ACTFL\)](http://www.actfl.org). All are accredited by the [Council for the Accreditation of Education Preparation \(CAEP\)](http://www.caep.org).

### College of Mathematics and Science

- The Bachelor of Science in Biomedical Engineering program, Electrical Engineering program, Mechanical Engineering program, and Engineering Physics program are accredited by the Engineering Accreditation Commission of [ABET](http://www.abet.org).
- The Bachelor of Science in Computer Science – Computer



Science major is accredited by the Computing Accreditation Commission of [ABET](#).

- The Bachelor of Science in Funeral Service and the Certificate in Funeral Service are accredited by the [American Board of Funeral Service Education](#) (ABFSE).
- The Bachelor of Science in Chemistry –American Chemical Society Certificate major is approved by the [American Chemical Society](#).
- The Bachelor of Science in Nursing is accredited by the [Commission on Collegiate Nursing Education](#) (CCNE) and approved by the Oklahoma Board of Nursing (OBN), [www.ok.gov/nursing](http://www.ok.gov/nursing).
- The Bachelor of Science in Mathematics Education is recognized by the [National Council of Teachers of Mathematics](#) (NCTM); and the Bachelor of Science in Science Education - Biology, Science Education - Chemistry, Science Education - General Science, Science Education - Physical Science, and Science Education – Physics are approved by the [Oklahoma Office of Educational Quality & Accountability](#) (OEQA). All are accredited by the [Council for the Accreditation of Education Preparation](#) (CAEP).

#### Forensic Science Institute

- The Bachelor of Science in Forensic Science - Chemistry, the Bachelor of Science in Forensic Science - Molecular Biology and the Bachelor of Science in Forensic Science - Digital Forensics are accredited by the [Forensic Science Education Programs Accreditation Commission](#) (FEPAC).

#### Graduate Accreditations

- The Master of Science in Speech-Language Pathology is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the is accredited by the [American Speech Language Hearing Association](#) (ASHA).
- The Master of Science in Athletic Training is accredited by the [Commission on Accreditation of Athletic Training Education](#) (CAATE).
- The Master of Fine Arts in Design program is accredited by the [National Association of Schools of Art and Design](#) (NASAD).
- The master's programs in the School of Music are accredited by the [National Association of Schools of Music](#) (NASM).
- The Master of Science in Family & Child Studies program is accredited by the [National Council on Family Relations](#) (NCFR).
- The Master of Science in Nursing is accredited by the [Commission on Collegiate Nursing Education](#) (CCNE).
- The Master of Arts in Counseling Psychology is accredited by the [Masters in Psychology Counseling Accreditation Council](#) (MPCAC).
- The Master of Education – Bilingual Education/TESL is recognized by the [Teachers of English to Speakers of Other Languages](#) (TESOL) International Association. The Master of Education — Educational Leadership is recognized by the National Educational Leadership Program (NELP) standards, formerly called the Educational Leadership Constituent Council (ELCC). The Master of Education – Library Media Education is recognized by the [American Library Association](#) (ALA). The Master of Education- Reading & the Master of Education - School Counseling are approved by the [Oklahoma Office of Educational Quality & Accountability](#) (OEQA)

- . All of these programs and the Master of Education – Early Childhood Education, the Master of Education - Elementary Education, the Master of Education – Secondary Education, and the Master's programs of Education - Special Education (Mild-Moderate Disabilities & Severe-Profound/Multiple Disabilities) are accredited by the [Council for the Accreditation of Education Preparation](#) (CAEP).

## Degrees Offered

Certificate-undergraduate and graduate

Associate in Applied Science

Bachelor of Applied Technology

Bachelor of Arts

Bachelor of Arts in Education

Bachelor of Business Administration

Bachelor of Fine Arts

Bachelor of Fine Arts Education

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Education

Master of Arts

Master of Business Administration

Master of Education

Master of Fine Arts

Master of Music

Master of Public Administration

Master of Science

Professional Science Master's

## Location

The University of Central Oklahoma is located in Edmond, considered by many to be Oklahoma's "Crown Jewel" community. Edmond is one of the state's most desired places to live with its thriving historic downtown, excellent school system and fantastic cultural offerings. The community enjoys year-round music, art, theater, water, and sporting events. Known worldwide for its outstanding golf courses, Edmond hosts some of the most exciting PGA and celebrity events. Edmond tennis courts have a history of hosting USTA tournaments. Competitive soccer fields are also available, including one indoors, and competitive ice-skating and roller skating facilities. The Lazy E Arena, the country's largest indoor arena, provides a full calendar of rodeo events. Just minutes east of the campus is Lake Arcadia, offering hiking trails, fishing and water skiing. Fifteen minutes south, is downtown Oklahoma City with its great attractions that include Bricktown and the River Walk. Just as close are Oklahoma's state Capitol, the Oklahoma City Zoo and the Science Museum Oklahoma. The July 4 features Edmond's LibertyFest, selected as one of the top 10 places to be in America by CNN and USA Today.

## History of the University

The University of Central Oklahoma is the sixth name for what started in 1890 as the Territorial Normal School of Oklahoma.

During its 130-year history, UCO also has been known as Central State Normal School (1904-18), Central State Teachers College (1919-38), Central State College (1939-70), and Central State University (1971-91).

Regardless of the name, Central is a place where hard-working

Oklahomans, as well as students from other states and countries, realize their dreams of receiving advanced educational degrees to launch careers and provide better lives for their families.

Central's history includes the first class of higher education in the new Oklahoma Territory. The class of 23 students met on Nov. 9, 1891, in Edmond's Methodist Episcopal Church. The university's landmark Old North is the state's first publicly-funded higher education building to hold classes, held Jan. 13, 1893, in the partially completed structure.

Four years later, in 1897, the first graduating class of three women and two men received their hard-earned teacher certificates. In 1919, curriculum was added for a bachelor's degree program. The first master's degree was conferred in 1955.

Central now has six academic colleges-Fine Arts and Design, Business, Education and Professional Studies, Liberal Arts, and Mathematics and Science, along with the Jackson College of Graduate Studies.

Today's ever-growing campus serves nearly 15,000 students on a 200-acre Edmond campus. In addition, students and the community enjoy the UCO Jazz Lab near downtown Edmond and the UCO Outdoor Recreation facility at Lake Arcadia. Downtown Oklahoma City facilities include

UCO Carnegie Center, offering classes from all of UCO's different colleges; ; UCO at Santa Fe Plaza, home to a learning center, UCO MBA classes, The Catbird Seat small business incubator and KUCO-FM; UCO's CHK|Central Boathouse on the Oklahoma River, home to the Women's Rowing team, a performance venue and an art gallery; and, the Academy of Contemporary Music (ACM@UCO) in Oklahoma City's Bricktown.

## Campus and Buildings

While much of the original grant of 40 acres was disposed of to secure funds for buildings, in more recent years the policy has been to add new land. At present, the campus contains just over 200 acres located four blocks east of the business district of Edmond.

**UCO @ Carnegie Centre** in Downtown Oklahoma City provides opportunities for working adults and downtown residents who are seeking accessible and convenient approaches to furthering their education. This facility is also a hub for professional development and industry-specific training.

**UCO @ Santa Fe Place**, located in Downtown Oklahoma City, provides accessible and convenient opportunities for working adults and downtown residents who are seeking to further their education. Renovations completed in 2019 include new classrooms and STEM lab, office space for faculty and staff, The Catbird Seat business incubator, and the KUCO radio station. The **CHK|Central Boathouse**, located on the Oklahoma River in Downtown Oklahoma City's vibrant Boathouse District, serves as home to UCO's women's rowing team, as well as housing an art gallery and a live performance venue.

At its offices located on Bryant Avenue two blocks east of the main campus, UCO's **Center for eLearning and Connected Environments (CeCE)** supports the design, development, and delivery of UCO's electronic learning courses.

The **Academy of Contemporary Music at the University of Central Oklahoma (ACM@UCO)** is part of the College of Fine Arts and Design. It is located in Downtown Oklahoma City's "Bricktown" area and maintains strong connections with

the Edmond campus as well as other Academies of Contemporary Music throughout the world.

Located within the **ACM@UCO** is the **Business Development Center** in which students will build portfolios, connect with working musicians and other music industry professionals and seek career opportunities.

The **University House**, formally the Alumni House was built in 1907. The home was a personal residence for almost twenty years until a UCO professor bought the house. The professor rented out the upstairs bedrooms to UCO students. That arrangement was held for nearly another 20 years.

The house has changed owners seven times since it was built. In the early 1980's, the house was operated as a Tea and Antique Room. In the late 1980's, the University purchased the home and it was used as a faculty and staff restaurant called the "University House". The house closed in 2000 and stayed dormant for nearly two years. In July of 2004, the house officially opened as the offices of UCO Alumni Relations and now houses members of CFAD.

The **Lillard Administration Building**, occupied in the spring of 1963, contains the main administrative offices of the University, including those of the Provost/Vice President for Academic Affairs, the Vice President for Finance, the Vice President for Business Operations, the Chief Information Officer for Information Technology, the Vice President for Institutional Effectiveness, and others.

The **Art and Design Building** was originally constructed in 1952 as the Student Union. Following completion of the Nigh University Center in 1967, the Art Building was completely renovated to include classrooms, studios, and the Central Museum of Art.

**Hamilton Field House**, first occupied in the spring semester of 1965, has a basketball court with a seating capacity of 4,000. The athletic complex and classroom building also contains exercise rooms and locker rooms for varsity athletes. The name was changed from Broncho Field House in 1993.

The **Business Building** houses the offices and classrooms of the College of Business and was first occupied in the fall of 1962. A second building was added in 1983 and the two were connected in 1996.

**Bausher Place** was completed in December 2019. Named after a Winifred Bausher who served students in the late 30' early 40's. Designed to act as a bridge between the north and south areas of campus, this 52,500 square foot building opened its doors to students in January of 2020. The facility is home to **Ayers Kitchen**, a 30,000 square feet, 500 seat new student dining facility. The additional 22,500 square feet houses support areas for Campus Enterprises, offices from the division People and Culture and a multi-use open office area which serves as administrative offices for Human Resources as well as additional needed administrative support space.

The **Center for Outdoor Recreation** provides UCO students, faculty and staff, as well as community members, many educational and recreational opportunities. The Center provides outdoor activities to teach participants to enjoy and appreciate the outdoors.

The 5,600 square foot facility is located off Second Street just East of I-35 and features easy access to Lake Arcadia. The building houses a 'living' classroom for the study of water and wildlife conservation. Kayak, canoe, and archery classes are taught at the facility.

The **Center for Transformative Learning (CTL)** opened Fall 2010. This 33,000 square-foot building, located on the east side of campus, includes 11 classrooms, faculty office space, the Radke Fine Arts theatre, an outdoor classroom and several unassigned or informal spaces to encourage what UCO calls “transformative learning.” The CTL supports UCO’s stated academic mission to “help students learn through transformative experiences so they may become productive, creative, ethical and engaged citizens contributing to the intellectual, social, economic and cultural advancement of the communities they serve.” To accomplish this, UCO’s Transformative Learning program has six emphasis areas, also called the “Central Six.” These, in addition to classroom learning in the chosen major, are: leadership; problem solving (research, creative and scholarly activities); service learning and civic engagement; global and cultural competencies; and health and wellness.

The **Max Chambers Library** opened its doors to students in January 1969. A major addition completed in 1997, nearly doubled the existing building. This four-story building is one of the most modern libraries in the Southwest. It includes a large microfilm reading room, seminar rooms, conference and study rooms, a document room, and the extensive archives and special collections located on the second floor.

Following the completion of the new library, the former Max Chambers Library (constructed in 1956) was renovated to become the **Communications Building** in 1968. It supplies offices, classrooms, and labs for the departments of Mass Communication, KCSC Radio, the student newspaper *the Vista*, and the KUCO-TV television studios.

The **Education Building** was completed and occupied in 1996. Of post-modern architecture, it houses the office of the dean of the College of Education, classrooms, computer labs, and multimedia facilities.

**Evans Hall** was completed and occupied in 1916 and housed the University library until 1957. It underwent a major renovation in 1989 and now provides offices for the UCO Foundation, Inc., the dean of the College of Fine Arts and Design, and the Laboratory of History Museum.

The **W. Roger Webb Forensic Science Institute** was completed Fall 2009. The facility has approximately 35,000 square feet and has a 165-seat auditorium and three 50-seat classrooms and the AT&T Digital Evidence and Cyber Security Laboratory, which was made possible through a \$1 million grant from the AT&T Foundation. The FSI facility also contains office space for all FSI personnel and an atrium for functions and receptions.

One of many features in the FSI facility is an evidence recovery training area that can be utilized in mock crime scenes and evidence collection from vehicles. The FSI Building was designed by nationally recognized Frankfurt Short Bruza of Oklahoma City, Oklahoma.

The **Health and Physical Education Building**, adjacent to Wantland Hall, was completed in the fall of 1958. It contains offices, classrooms, and a dance studio for the Kinesiology and Health Studies Department. The top floor houses the Broncho Corral, now used as a class and meeting room.

The **Computing Science Building** was completed in the spring of 1983. It houses the offices and classrooms of the departments of Computing Science, Mathematics and Statistics, and also the University Computer Center.

The **Coyner Health Sciences Building** was first occupied in

the spring of 1984. It houses the offices and classrooms of the departments of Nursing and Funeral Service. The building was dedicated in honor of the Coyner family on October 13, 1989.

The **Human Environmental Science Building** was dedicated in the spring of 1969. It contains the offices and classrooms of the Human Environmental Sciences Department, a modern food laboratory, a living room for receptions, and a laboratory school for pre-school children.

**Howell Hall**, first occupied in 1948, has been extensively modernized, and an addition to the building has more than doubled the floor space. Housed in the hall are offices, labs and classrooms for the Chemistry, Engineering and Physics, and Biology Departments. A three story laboratory wing was added in 1997.

The **UCO Jazz Lab**, constructed with cooperative funding with the Edmond Economic Development Authority, adds to the sense of community both for the campus population and the citizens of Edmond. It provides high quality entertainment. The Jazz Lab is readily accessible to students and is within walking distance from campus. It includes several offices, the Jazz Lab, a recording studio, a performance club, and a restaurant.

The **Liberal Arts Building** was completed during the summer of 1969 and houses most of the departments in the College of Liberal Arts. Complete with faculty offices and classrooms, it has two language laboratories and the Pegasus Theatre. **Liberal Arts** completed a 55,000 square foot addition to the current Liberal Arts Building in July 2019. The addition contains multiple transformative style classrooms, a large 200+ seat auditorium w/ storm shelter function, faculty offices, and a new community student area.

**Mitchell Hall Theatre** was dedicated June 29, 1926. It has recently been remodeled and seating expanded for performing arts productions. Currently, a 20,000 square foot addition is underway that will include rehearsal space and a 900 person storm shelter. **Mitchell Hall Backstage Facility** is a 20,500 square foot addition to the Mitchell Hall performance venue serves multiple purposes for use including costume storage, theater rehearsal and dance studio, greenroom and dressing rooms, plus allow for classes to be taught for the various backstage professions in costume, design, performance makeup, costume fabrication and maintenance. Completed in June of 2017

The **Music Building** was first occupied in the fall of 1952. It houses vocal and instrumental music, together with a number of private practice studios and a recital hall. The building was enlarged in 1968.

**Old North**, the first campus building, is built of native sandstone quarried near Edmond, and it is the center of the University of Central Oklahoma traditions. The University clock is located in its tower with faces in all four directions. Old North is listed in the National Historical Register. After an extensive renovation, the facility reopened its doors Spring of 2017. The fully renovated building houses classrooms, Office of the President, and the division of Enrollment and Student Success.

**Thatcher Hall**, a former residence hall named after the first president, Richard Thatcher, celebrated its “re-grand opening” in the fall of 1995. The building now houses a variety of offices, the Modern Languages department, some College of Business faculty, classrooms, the Institutional Assessment Office, the Testing Center, Distance Education-Self-Paced Online Courses (SPOC), Distance Education Interactive Video Courses (IVC), the ROTC program, the University’s “12-Live” classroom, and a mini-museum.

The **Nigh University Center** was dedicated in the fall of 2001 to honor former President George Nigh. Originally built in 1967, an addition in 1997 doubled the floor space. It is a center for campus and community activities and includes such student facilities as the University Bookstore, convenience store, beauty shop, post office, food court, restaurant, and recreation area.

The building provides a centralized location for student admissions, registration, advisement, financial aid, international, and graduate services. Also included in the building are a large ballroom, meeting rooms, and offices for Campus Life, Student Senate, Counseling Services, Career Services, and the Dr. Joe C. Jackson College for Graduate Studies.

The **Selman Living Laboratory** is a field station near the town of Freedom in western Oklahoma that occupies more than 300 acres of mixed-grass-gypsum prairie including the biologically important Selman Cave System. The laboratory was established in 1998 through a grant from the Oklahoma Department of Tourism, and has continued to grow and develop through generous donations from the Selman family, supporters of the laboratory, and state and federal grants.

The **Don Betz STEM Teaching and Research Center** is a new 55,000 square foot building and contains multiple undergraduate research program spaces as well as house the College of Math and Science super computer, classrooms and an 80 seat secure storm shelter/auditorium. This facility will allow UCO students to be able to use current state of the art labs and scientific equipment in fields such as Forensic Science, Nursing, Biomedical Engineering, Computer Science, Biology, & Mathematics. Completed in November of 2018.

The **Sports Performance Center** is a 41,000 square foot facility, which contains support spaces for the Athletic programs at UCO to include weight and training areas, football locker room, a tutorial center, hydrotherapy and sports training area, coaches' offices, and administrative spaces for the Athletic department. Completed October 2018.

The **Sports Performance Annex** is a 8,000 square foot facility, which temporarily houses the UCO wrestling team practice area, as well as locker and laundry facilities. Upon completion of the **North Hamilton Annex**, the wrestling practice area will be converted into indoor practice for baseball, softball, and golf.

The **North Hamilton Annex** the construction of the 26,000 square foot facility began June 2018 with completion scheduled for Fall 2019. This facility will add new wrestling facilities as well as a practice gymnasium, and locker rooms.

**Wantland Field and Stadium** is home for the Bronchos football team. First used in 1965, Wantland Stadium underwent a \$16 million renovation in 2005, which increased seating capacity to 10,000.

**Wantland Hall**, officially dedicated February 7, 1928, serves the Kinesiology and Health Studies Department and includes a gymnasium, basketball court, locker rooms, and offices.

The **Softball Complex** construction began June 2016 and was completed February 2017. The facility includes a new Team locker room, Coaches Office, Team Lounge and also new public toilet facilities to support the new 150 seat bleachers and Press box facility, new visitor and home team dugouts and new visitor and home team bullpen/batting cages in addition to a new artificial turf playing surface

The **South Central Plant** project includes three elements: the construction of 6,500 square foot stand-alone building that houses the plant equipment, new chiller plant and controls sys-

tems, and underground piping loop that serves the south side of campus. The goal is to off load certain existing buildings from the north chiller plant and re-connect them to the south plant. Completed October 2017.

The **Wellness Center** exists to provide students, faculty, staff, and community members with a premier facility that promotes health and wellness. The Wellness Center strives to link positive healthy lifestyles and intellectual growth, so that participants can reach their full potential.

A multi-purpose 57,140 square feet recreational center includes two indoor basketball/volleyball courts; one outdoor basketball court; group fitness rooms; walking/running track; 65 pieces of cardiovascular equipment; strength training area including free weights and selectorized equipment; classrooms, rock climbing wall, and a vending area.

The **Y Chapel of Song** construction began in 1941 and was completed in 1949 through the services and gifts of hundreds of students, faculty, alumni, friends, and through the efforts of the Y.M.C.A. and Y.W.C.A. The chapel was placed on the National Register of Historic Places in 2001 because of its significance in art. It is used today for initiation ceremonies, weddings, meetings and meditation.

## Living Accommodations

### University of Central Oklahoma Housing and Dining

Choosing to live on campus helps simplify university life with access to numerous opportunities to become involved in campus life, achieve a higher GPA than those who live off-campus, and make life-long friendships.

Housing & Dining at UCO consists of professional, paraprofessional, and student staff who strive to provide a safe and secure home on campus with a variety of nutritious dining options, by connecting students and faculty, and by encouraging community, diversity, and character growth. Additionally, Resident Assistants and student led organizations provide activities designed to meet new neighbors while building a community atmosphere within each residential facility, as well as leadership opportunities right where the students live. In addition to providing over 1,200 programs and activities for residential students, the Housing & Dining staff is a resource for information concerning housing and university processes and events.

The Housing & Dining Office operates during regular university business hours 8:00 a.m. - 5:00 p.m. weekdays and can be reached at 405-974-2746. More information can be found online via virtual showrooms and updates on the latest residence hall news and events on the Housing and Dining website at <https://www.uco.edu/student-resources/housing/>.

### Housing and Dining Options

The University of Central Oklahoma offers unique living environments designed to meet the needs of UCO's diverse student body. All residential facilities are smoke free, and each room is equipped with free wireless internet and basic cable. Each option features fully-furnished rooms, with all utilities paid. To be eligible for residence in university housing, an individual must be enrolled as an undergraduate or graduate student at UCO.

Students in The Quad, Murdaugh, Suites, and West are required to participate in the campus meal plan. A variety of meal plan options allow students to choose a plan best suited to their needs. These meal plans can be used in a variety of areas

throughout campus. From all-you-care-to-eat at Ayers Kitchen with brick oven pizza, salad bar, dessert case, and much more to the Starbuck's and the Express Food Court in the Nigh University Center, the dining options on campus are designed to meet the needs and tastes of our students. University Suites has the Sidelines Grill within the residence hall, serving wings, burgers and fries for those who want to stay close to home and eat.

**Murdaugh Hall** has a vibrant student resident community throughout the year. Students can't walk through the lounge and game room without seeing friends playing pool or watching TV. The students in Murdaugh enjoy the benefit of not cleaning their own bathrooms, as well as having the freedom to choose their roommate. The central location is convenient for access to everything on campus, making it easy to be at class on time. Combining the historic nature of Murdaugh Hall with the benefits of living on campus, it is clear why nearly 300 students choose to live within this residence hall each year.

**West Hall** features one of the shortest walks to campus venues. More than 400 students choose West Hall each year because it has the most active community on campus. The community bathrooms are cleaned daily and are easily accessible from every room in the hall. Equipped with a variety of community spaces, students can be found in the central courtyard, lounge, or study spaces. Amenities like lounge TVs and building wide wireless internet make West Hall a place residents really want to be. Academic success and the tight-knit community make West Hall an attractive option to students looking for the convenience of living on campus.

**University Suites** is home to more than 300 students who enjoy the upscale set-up of the rooms and the ease of having a dining facility just a short walk down the hallway. This residence hall features furnished suite-style rooms with private bathrooms, and contains the *Sidelines Grill* within its very walls. As with all halls, there is a free on-site laundry facility and each room comes with free basic cable and wireless internet, as well as the ability to control the air temperature in your room. Typically, students hang out with friends in the lit outdoor courtyard playing basketball, volleyball, or grilling out near the picnic tables.

**University Commons Apartments** are on-campus apartments that combine the freedom and privacy of an apartment with the convenience of on-campus living. Students enjoy the best of both worlds by choosing the University Commons. Over 350 residents enjoy apartments with individually controlled air conditioning, a modern kitchen, living room, and laundry facilities within the apartment.

The **Transformative Learning Quadrangle** or "**The Quad**" is the newest addition to the residence hall options at UCO. Combining the best aspects of all our other living options, The Quad features pod-style halls, that foster smaller communities within the whole of the hall. A movie room and fitness room are available to all residents in The Quad, as well as a community kitchen accessible to students who wish to cook something up instead of venturing to one of the great dining facilities in easy range of the hall. With study rooms and computer labs placed around the residence hall, and a beautiful courtyard steps away, success at UCO will be an easy effort for all students who choose this living option.

# *People of UCO*

# People of UCO

## Administration

### Oklahoma State Regents for Higher Education

Jack Sherry.....	Holdenville
Ann Holloway .....	Ardmore
Jeffrey W. Hickman .....	Fairview
Michael C. Turpen .....	Oklahoma City
Steven Taylor .....	McAlester
Dennis Casey .....	Morrison
Joseph L. Parker, Jr. ....	Tulsa
Jay Helm .....	Tulsa
Ronald H. White, M.D. ....	Oklahoma City
<i>Chancellor, Dr. Glen D. Johnson</i>	

### Regional University System of Oklahoma

Susan Winchester.....	Chickasha
Jeffrey Dunn .....	Tulsa
Lake Carpenter.....	Elk City
Gary Parker .....	Tulsa
Connie Reilly .....	Okemah
Jane McDermott .....	Alva
Amy Ford .....	Durant
Eric Fisher .....	Oklahoma City
<i>Dr. Sheridan McCaffree, Executive Director</i>	
<i>Joy Hofmeister, State Superintendent of Public Instruction</i>	

### Past Presidents

Richard Thatcher.....	1891 - 1893
George W. Winans.....	1893 - 1894
E.R. Williams .....	1894 - 1895
E.D. Murdaugh.....	1895 - 1901
F.H. Umholtz.....	1901 - 1906
T.W. Butcher .....	1906 - 1908
James A. McLaughlin .....	1908 - 1911
Charles Evans.....	1911 - 1916
Grant B. Grumbine.....	1916 - 1917
J.W. Graves .....	1917 - 1919
John G. Mitchell.....	1919 - 1931
M.A. Beeson .....	1931 - 1935
John O. Mosley .....	1935 - 1939
Roscoe R. Robinson.....	1939 - 1948
W. Max Chambers.....	1948 - 1960
Garland Godfrey .....	1960 - 1975
Bill J. Lillard .....	1975 - 1992
George Nigh.....	1992 - 1997
W. Roger Webb .....	1997 - 2011
Don Betz .....	2011 - 2019
Patti Neuhold-Ravikumar .....	2019 -

### University Cabinet

Patti Neuhold-Ravikumar .....	President
Charlotte Simmons, Ph.D. ....	Co-Interim Vice President, Academic Affairs
Gary Steward, Jr., Ph.D. ....	Co-Interim Vice President, Academic Affairs
Kevin Freeman .....	Vice President for Finance and Operations
Drew Duke .....	Interim Vice President, Enrollment and Student Success
Sonya Watkins .....	Chief Information Officer
Adrienne Nobles.....	Vice President, Communications and Public Affairs
Anne Holzberlein.....	Vice President for Advancement
Diane Feinberg.....	Vice President for People and Culture
Kendall Parrish, J.D. ....	General Counsel
Chuck Bailey.....	Interim Athletic Director

### Office of Academic Affairs Administration

Dr. Charlotte Simmons.....	Co-Interim Vice President, Academic Affairs
Dr. Gary Steward, Jr.....	Co-Interim Vice President, Academic Affairs and Institutional Effectiveness
Dr. Gregory Wilson.....	Assistant Vice President Office of Research and Sponsored Programs
Dr. Linda Banks .....	Assistant Vice President, Academic Affairs
Ms. Julie Byer.....	Executive Director; Academic Policy and Curriculum

## Academic Colleges - Departments

### College of Business

Dr. Jeremy Oller.....	<i>Interim Dean</i>
Dr. Thanh Tran.....	<i>Associate Dean</i>
Dr. Suzanne Clinton.....	<i>Assistant Dean of Students and Undergraduate Programs</i>
Dr. Geoff Willis.....	<i>Assistant Dean of Academics and Graduate Programs</i>
Dr. Bambi Hora.....	<i>Accounting</i>
Dr. Neil Metz.....	<i>Interim Economics</i>
Dr. Steve Black.....	<i>Finance</i>
Dr. Michelle Hepner.....	<i>Information Systems and Operations Management</i>
Dr. Holly Osburn.....	<i>Management</i>
Dr. Stacia Wert-Gray.....	<i>Marketing</i>
.....	<i>Military Science</i>

### College of Education and Professional Studies

Dr. Donna Cobb.....	<i>Dean</i>
Dr. Bryan Duke.....	<i>Associate Dean</i>
Dr. Mike Nelson.....	<i>Assistant Dean</i>
Dr. Darla Fent-Kelly.....	<i>Assistant Dean</i>
Dr. Laressa Beliele.....	<i>The Donna Nigh Department of Advanced Professional and Special Services</i>
Dr. Dan Vincent.....	<i>Curriculum and Instruction</i>
Dr. Kaye Sears.....	<i>Human Environmental Sciences</i>
Dr. Debra Traywick.....	<i>Kinesiology and Health Studies</i>
Dr. Robin Lacy.....	<i>Adult Education and Safety Sciences</i>
Dr. Mike Nelson.....	<i>Educational Sciences, Foundations &amp; Research</i>
Dr. Thomas Hancock.....	<i>Psychology</i>

### College of Fine Arts and Design

Ms. Charleen Weidell.....	<i>Interim Dean</i>
TBD.....	<i>Associate Dean</i>
Mr. Scott Booker.....	<i>CEO-ACM@UCO</i>
Mr. David Maxwell,.....	<i>Art</i>
Ms. Michelle Moeller.....	<i>Dance</i>
Ms. Amy Johnson.....	<i>School of Design</i>
Dr. Brian Lamb.....	<i>School of Music</i>
Dr. Kato Buss.....	<i>Theatre Arts</i>

### College of Liberal Arts

Dr. Catherine Webster.....	<i>Dean</i>
Dr. Rozilyn Miller.....	<i>Associate Dean</i>
Dr. Timothy Petete.....	<i>Assistant Dean</i>
Dr. Theresa Vaughan.....	<i>Assistant Dean</i>
Dr. David Macey, Jr. ....	<i>Interim English</i>
Dr. Katrina Lacher.....	<i>History and Geography</i>
Dr. Mark Silcox.....	<i>Humanities and Philosophy</i>
Dr. Mary Carver,.....	<i>Mass Communication</i>
Dr. Diana Pardo.....	<i>Modern Languages, Literatures, and Cultural Studies</i>
Dr. Kenneth Kickham.....	<i>Political Science</i>
Dr. Brenda DuVerney-Chappell.....	<i>Sociology, Gerontology and Substance Abuse Studies</i>
Dr. Elizabeth Maier.....	<i>School of Criminal Justice</i>

### College of Mathematics and Science

Dr. Gloria Caddell,.....	<i>Interim Dean</i>
Dr. Robert Brennan, Jr.,.....	<i>Associate Dean</i>
Dr. Jesse Byrne.....	<i>Assistant Dean</i>
Dr. Evan Lemley.....	<i>Assistant Dean of Development</i>
Dr. Robert Brennan, Jr. ....	<i>Biology</i>
Dr. Luis Montes.....	<i>Chemistry</i>
Dr. Gang Qian.....	<i>Computer Science</i>
Dr. Chuck Hughes.....	<i>Engineering and Physics</i>
Dr. John Fritch.....	<i>Funeral Service</i>
Dr. Jesse Byrne.....	<i>Mathematics and Statistics</i>
Dr. Barbara Arnold.....	<i>Nursing</i>

### College of Graduate Studies

Dr. Jeanetta Sims.....	<i>Dean</i>
Dr. Robert Mather.....	<i>Associate Dean</i>

### Forensic Science Institute

Dr. Dwight Adams.....	<i>Director</i>
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### University Libraries

Mr. Habib Tabatabai.....	<i>Executive Director</i>
Ms. Nicole Willard.....	<i>Assistant Director</i>



## Full-Time Faculty

**Name, Rank, Department,  
College - Date of Appointment  
Degree, College/University, Date of Degree**

### A

**Abuabed, Alaeddin, Professor of Engineering and Physics,  
College of Mathematics and Science – 2008**

B.S., Jordan University of Science and Technology, 1999; M.S., Jordan University of Science and Technology, 2001; Ph.D., University of Alabama, 2007

**Adamiak, Stanley, Professor of History and Geography,  
College of Liberal Arts - 1998**

B.A., University of Vermont, 1988; M. A., University of Nebraska, 1990; Ph.D., University of Nebraska, 1994

**Adams, JoAnn, Emeritus Professor of Visual Arts and Design,  
College of Liberal Arts- 1982**

B.F.A., University of Oklahoma, 1955; M.A., University of Oklahoma, 1972; M.F.A., University of Oklahoma, 1980; Ed.D., Oklahoma State University, 1990

**Aghaey, Alireza, Assistant Professor of Management  
College of Business, 2020**

B.S., Sharif University of Technology, 2006; MBA, University of Economic Sciences, 2014

**Aguirre, Grant, Associate Professor of Marketing  
College of Business, 2013**

B.A., University of Central Oklahoma, 1997; M.A., University of Central Oklahoma, 1999; Ph.D., New Mexico State University, 2013

**Ahmad, Riaz, Emeritus Professor of Biology,  
College of Mathematics and Science - 1977**

M.S., West Pakistan Agricultural University, 1968; M.S., North Dakota State University, 1971; Ph.D., University of Oklahoma, 1976

**Ahmadifar, Gholam “Joe”, Associate Professor of Adult  
Education & Safety Sciences,**

**College of Education and Professional Studies – 2014**

B.S., Oklahoma City University, 1975, B.Ch.E., University of Oklahoma, 1979, M.S., University of Central Oklahoma, 1995, Ph.D., University of Oklahoma, 2000

**Ait Moussa, Abdellah, Associate Professor of Engineering and  
Physics,**

**College of Mathematics and Science – 2005**

B.S., Mohammadia Engineering University, Morocco, 1999; M.S., University of Central Oklahoma, 2004, Ph.D. University of Oklahoma, 2012

**Aktas, Mehmet, Assistant Professor of Mathematics and  
Statistics**

**College of Mathematics and Science-2018**

B.S. Bilkent University, Ankara, Turkey, 2009; M.S., Bilkent University, Ankara, Turkey, 2011; Ph.D., Florida State University, 2017

**Alaee, Assal, Lecturer of Engineering and Physics,  
College of Mathematics and Science - 2012**

B.S., Azad University, 2004; M.S. University of Central Oklahoma, 2012

**Albahadily, F.N., Emeritus Professor of Chemistry,  
College of Mathematics and Science - 1990**

B.S., Basrah University, Iraq, 1976; M.S., Texas A&M University, 1984; Ph.D., Oklahoma State University, 1988

**Allan, Elizabeth A., Professor of Biology,  
College of Mathematics and Science – 2005**

B.S., University of Oklahoma, 1983; M.A., University of California, Riverside, 1990; Ph.D., University of California, Riverside, 1997

**Allen, Beverlin, Emeritus Assistant Professor of Chemistry,  
College of Mathematics and Science- 1979**

B.S., University of Oklahoma, 1957; M.S., University of Oklahoma, 1976

**Allen, Douglas, Emeritus Professor of Management,  
College of Business- 1975**

B.S., Oklahoma State University, 1964; M.B.A., Oklahoma State University, 1971; Ph.D., Oklahoma State University, 1980

**Allison, Jerry D., Emeritus Professor of Information Systems  
and Operations Management,  
College of Business - 1992**

B.S., University of Texas at Arlington, 1968; M. Engr., Texas A&M University, 1970; Ph.D., Oklahoma State University, 1986

**Alsbou, Nesreen, Assistant Professor of Engineering and Physics,  
College of Mathematics and Science-2018**

B.S., Kansas State University, 2000; M.S., Kansas State University, 2001; Ph.D., University of Oklahoma, 2012

**Alsworth, Frances, Emeritus Associate Professor of Curriculum  
and Instruction,**

**College of Education and Professional Studies- 1966**

B.A., Millsaps College, 1947; M.L.S., University of Oklahoma, 1966; Ed.D., University of Oklahoma, 1980

**Anas Irfan, Mohammed, Assistant Professor of Information  
Systems and Operations Management**

**College of Business - 2019**

BSc, Oxford Brookes University, 2011; MBA, University of Edinburgh, 2012; MSc, Cranfield University, 2014; Ph.D., Georgia Southern University, 2019

**Anderson, Chalon E., Emeritus Professor of Psychology,  
College of Education and Professional Studies - 1991**

B.S., University of Central Oklahoma, 1984; M.Ed., University of Central Oklahoma, 1986; Ph.D., Oklahoma State University, 1989

**Anderson, NaRita, Instructor of Business Administration  
College of Business – 2006**

BBA, University of Central Oklahoma, 1988; MBA, Oklahoma City University, 1996

**Archuleta Frush, Kristi, Associate Professor of Adult Educa-  
tion and Safety Sciences**

**College of Education and Professional Studies – 2011**

B.A., Regis University, 2000; M.S., Regis University, 2002; Ed.D., University of Wyoming, 2009

**Appleby, Jessica, Assistant Professor of Modern Languages, Literatures, and Cultural Studies, College of Liberal Arts – 2017**  
B.A. University of Colorado, 2006; M.A. University of Colorado, 2008; M.A. Universite Paris 3 Sorbonne Nouvelle, 2012; Ph.D. University of Colorado, 2017

**Arnold, Allen, Associate Professor of Finance, College of Business - 2004**  
B.B.A., University of Central Oklahoma, 2001; M.B.A., University of Central Oklahoma, 2003

**Arnold, Barbara, Chairperson/Associate Professor of Nursing, College of Mathematics and Science - 2001**  
B.S., University of Central Oklahoma, 1995; M.S., University of Oklahoma Health Sciences Center, 2001; Ph.D., Oklahoma State University, 2014

**Atkins, LaDonna, Professor of Human Environmental Sciences, College of Education and Professional Studies - 1999**  
B.S., University of Central Oklahoma, 1991; M.Ed., University of Central Oklahoma, 1994; Ed.D., Oklahoma State University, 2002

## B

**Bahouth, Saba B., Emeritus Professor of Information Systems and Operations Management, College of Business - 1989**  
B.S., American University of Beirut, 1975; M.S., Vanderbilt University, 1981; Ph.D., University of Oklahoma, 1991

**Baird, Troy A., Emeritus Professor of Biology, College of Mathematics and Science - 1989**  
B.S., San Diego State University, 1978; M.S., San Diego State University, 1980; Ph.D., University of British Columbia, 1989

**Baker, James F., Emeritus Professor of History and Geography, College of Liberal Arts - 1970**  
B.A., University of Houston, 1965; M.A., Tulane University of Louisiana, 1967; Ph.D., Tulane University of Louisiana, 1971

**Baker, Kelly, Professor of Curriculum and Instruction College of Education and Professional Studies – 2008**  
B.S., University of Oklahoma, 1984; M.Ed., Central State University, 1988; Ed.D., Oklahoma State University, 1995

**Bannish, Brittany E., Associate Professor of Mathematics and Statistics, College of Mathematics and Science – 2012**  
B.A., Mount Holyoke College, 2006; M.S., University of Utah, 2008; Ph.D., University of Utah, 2012

**Barker, Deborah A., Emeritus Professor of Advanced Professional and Special Services, College of Education and Professional Studies - 1995**  
B.A., Oklahoma Christian University, 1972; M.Ed., University of Central Oklahoma, 1987; Ph.D., University of Oklahoma, 1995

**Barger-Johnson, Jennifer, Professor of Legal Studies, College of Business – 2006**  
B.A., Cameron University, 1993; J.D., University of Arkansas School of Law, 1997

**Barnes, Karen L., Emeritus Professor of Adult Education and Safety Sciences, College of Education and Professional Studies - 1998**  
B.S.N., University of Oklahoma, 1970; M.S., University of Oklahoma, 1989; Ph.D., University of Oklahoma, 1998

**Barnett, Karis, Associate Professor of Educational Sciences, Foundations, and Research College of Education and Professional Studies- 2015**  
B.A., Oklahoma Baptist University; M.H.R., University of Oklahoma, 1995; Ph.D. University of Oklahoma, 2014

**Barthell, John F., Professor of Biology, College of Mathematics and Science - 1995**  
B.A., University of California at Berkeley, 1985; Ph.D., University of California at Berkeley, 1992

**Bass, T. David, Professor of Biology, College of Mathematics and Science - 1985**  
B.S., Lamar University, 1978; M.S., Lamar University, 1980; Ph.D., Texas A&M University, 1985

**Baughman, T. H., Emeritus Professor of History and Geography, College of Liberal Arts - 2000**  
B.A., Stetson University, 1968; M.A., Ohio State University, 1969; Ph.D., Florida State University, 1990

**Baxter, Francis, Emeritus Assistant Professor of Kinesiology and Health Studies/Athletics, College of Education and Professional Studies- 1970**  
B.S., University of Central Oklahoma, 1956; M.T., University of Central Oklahoma, 1965

**Beasley, Lori A., Professor of Human Environmental Sciences, College of Education and Professional Studies - 1996**  
B.S., Oklahoma State University, 1978; M.Ed., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1996

**Beasley, Raymond, Emeritus Assistant Professor of Mathematics and Statistics, College of Mathematics and Science- 1971**  
B.A., Phillips University, 1960; M.A., University of Michigan, 1961

**Beavers, Lorren, Emeritus Professor of Accounting, College of Business- 1965**  
B.S., Oklahoma State University, 1963; M.S., Oklahoma State University, 1964; Ed.D., University of Oklahoma, 1974; Certified Public Accountant

**Beliele, Laressa D., Chairperson/Associate Professor of the Donna Nigh Department of Advance Professional and Special Services, College of Education and Professional Studies – 2011**  
A.A., Northern Oklahoma College, 1977; B.S., University of Central Oklahoma, 1980; M.Ed., 1982; M.Ed., 1998; Ph.D., 2012

**Bell, Mitchell, Music Performance Program Director at the Academy of Contemporary Music College of Fine Arts and Design - 2009**  
B.M., University of Central Oklahoma, 2004; M.M., University of Central Oklahoma, 2009

**Benson, Susan, Associate Professor, Donna Nigh Department of Advanced Profession & Special Services, College of Education and Professional Studies – 2014**  
B.S., Oklahoma State University, 1978; M.S., University of Oklahoma, 1980; Ph.D., University of Oklahoma, 1997

**Bentley, Caroline, Associate Professor of Biology, College of Mathematics and Science – 2016**  
B.S., Oral Roberts University, 1993; M.A., Virginia Institute of Marine Science, 1995; Ph.D., University of Washington, 2000

**Bergman, Thomas, Emeritus Associate Professor of Management, College of Business- 1989**  
B.S., Northeastern Oklahoma University, 1976; M.B.A., Northeastern Oklahoma State University, 1981; Ph.D., University of Oklahoma, 1993; Certified Public Accountant

**Bertram, Glee, Professor of Human Environmental Sciences, College of Education and Professional Studies – 2005**  
B.S., Oklahoma State University, 1978; M.Ed., University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 2005

**Bettis, Jeannine, Lecturer of English, College of Liberal Arts – 2005**  
B.A., University of Central Oklahoma, 1981; M.A., University of Central Oklahoma 1983

**Bhargava, Kanika, Associate Professor of Human Environmental Sciences, College of Education and Professional Studies – 2013**  
B.S., Delhi University, 2002; M.S., Guru Nanak Dev University, 2004; Ph.D., Wayne State University, 2013

**Bidlack, James E., Professor of Biology, College of Mathematics and Science - 1990**  
B.S., Purdue University, 1984; M.S., University of Arkansas, 1986; Ph.D., Iowa State University, 1990

**Bingabr, Mohamed G., Professor of Engineering and Physics, College of Mathematics and Science - 2004**  
B.S., Syracuse University, 1989; M.S., Syracuse University, 1993; Ph.D., Syracuse University, 2002

**Bird, Rosa J., Professor of Modern Languages, Literatures, and Cultural Studies, College of Liberal Arts - 1998**  
B.A., Universidad de Puerto Rico, 1987; M.A., University of Illinois, 1988; Ph.D., University of Illinois, 1991

**Black, Kathleen, Emeritus Professor of Kinesiology and Health Studies, College of Education and Professional Studies- 1966**  
B.S., Oklahoma College for Women, 1958; M.Ed., University of Oklahoma, 1961; Ed.D. University of Oklahoma, 1971

**Black, Stephen M., Chairperson/Professor of Finance, College of Business - 1990**  
B.S., Texas A&M University, 1982; M.B.A., Oklahoma City University, 1985; Ph.D., Oklahoma State University, 1995

**Bogenschutz, Robert, Emeritus Professor of Biology, College of Mathematics and Science- 1967**  
B.S., Oklahoma State University, 1954; M.S., Oklahoma State University, 1956; B.S., University of Central Oklahoma, 1961; Ph.D., University of Oklahoma, 1966

**Bolf-Beliveau, Laura, Professor of English, College of Liberal Arts – 2007**  
B.S., Illinois State University, 1988; M.Ed., University of Illinois, 1993; Ph.D., University of Oklahoma, 2007

**Boliver, David, Emeritus Professor of Mathematics and Statistics, College of Mathematics and Science- 1993**  
B.A., Texas Tech, 1962; M.A., Rutgers University, 1966; Ed.D. Rutgers University, 1971

**Bost, Robert O., Emeritus Associate Professor of Chemistry, College of Mathematics and Science - 2002**  
B.S., University of Texas, 1965; M.A., University of Texas, 1967; Ph.D., University of Houston, 1970

**Bowen, John M., Emeritus Associate Professor of Chemistry, College of Mathematics and Science - 2000**  
B.S., University of Central Oklahoma, 1974; Ph.D., Oklahoma State University, 1982

**Boyce, Donald, Emeritus Professor of Mathematics and Statistics, College of Mathematics and Science- 1957**  
B.S., University of Central Oklahoma, 1956; M.S., Oklahoma State University, 1957; Ed.D., Oklahoma State University, 1968

**Boyd, Larissa, Associate Professor of Kinesiology and Health Studies, College of Education and Professional Studies- 2015**  
B.S. University of Central Oklahoma, 2009; M.S. University of Central Oklahoma, 2011; Ph.D. Oklahoma State University, 2015

**Bramlett, KaDee M., Assistant Professor of Music, College of Fine Arts and Design - 2014**  
B.M., University of Central Oklahoma, 2005; M.M., Arizona State University, 2008; D.M.A., University of Oklahoma, 2017

**Brashears, Katherine A., Assistant Professor of Nursing, College of Mathematics and Science - 2013**  
B.S.N., University of Central Oklahoma, 2005; M.S.N., University of Oklahoma Health Sciences Center, 2009; D.N.P., University of South Alabama, 2018

**Breazeale, Carl, Emeritus Assistant Professional of Occupational Technology Education, College of Education and Professional Studies- 1974**  
B.S., University of Central Oklahoma, 1972; M.S., Central Missouri State University, 1978

**Brennan, Robert E., Associate Dean/Chairperson/Professor of Biology, College of Mathematics and Science – 2009**  
B.S., University of South Dakota, 1993; M.S., Louisiana State University, 1997; Ph.D., Texas A&M University, 2004

**Brenneman, Joan K., Lecturer of Mathematics and Statistics, College of Mathematics and Science – 2012**  
B.S., Evangel University, 1990; M.S., Montana State University, 1998

**Breslin, Michael, Instructor of Mass Communications,  
College of Liberal Arts – 2011**

B.A., Wayland Baptist University, 1993; M.A., Texas Tech University, 1998

**Bridge, David S., Emeritus Professor of Mathematics and  
Statistics,**

**College of Mathematics and Science - 1992**

B.S., Loyola College, 1983; M.S., Carnegie Mellon University, 1984; Ph.D., Carnegie Mellon University, 1991

**Bridges, Timothy, Emeritus Professor of Information Systems  
and Operations Management,**

**College of Business - 1999**

B.S., Ohio State University, 1969; M.S., Air Force Institute of Technology, 1978; Ph.D., University of Oklahoma, 2000

**Bristow, Donald G., Emeritus Professor of Theatre Arts,  
College of Fine Arts and Design - 1966**

B.F.A., University of Oklahoma, 1962; M.F.A., University of Oklahoma, 1964; Ph.D., Texas Tech University, 1984

**Brodnax, Mary M., Emeritus Professor of Humanities and  
Philosophy,**

**College of Liberal Arts - 1998**

B.A., Vanderbilt University, 1978; M.A., Johns Hopkins, 1980; Ph.D., Johns Hopkins, 1987

**Brown, Deborah J., Emeritus Professor of English,  
College of Liberal Arts - 2000**

B.A., Bethany Nazarene College, 1974; MAT, Rollins College, 1979; Ph.D., University of Oklahoma, 1994

**Brown, Elizabeth, Professor of Art,  
College of Fine Arts and Design – 2002**

B.F.A., Rhode Island School of Design, 1995; M.F.A., Arizona State University, 1999

**Brown, Kathy A., Emeritus Professor of Educational Sciences,  
Foundations, & Research,**

**College of Education and Professional Studies - 1997**

B.S., University of Central Oklahoma, 1981; M.Ed., University of Central Oklahoma, 1986; Ph.D., Oklahoma State University, 1994; M.Div., Saint Paul of Theology, 2012

**Brown, Kenny L., Emeritus Professor of History and Geography,  
College of Liberal Arts - 1991**

B.A., Oklahoma State University, 1972; M.A., Oklahoma State University, 1975; Ph.D., Oklahoma State University, 1985

**Brown, Randy, Emeritus Associate Professor of Professional  
Teacher Education,**

**College of Education and Professional Studies- 1992**

B.A., University of Texas at Austin, 1969; M.Ed., University of Texas at Austin, 1980; Ed.D., Texas A&M University at Commerce, 1991

**Brown, Sidney D., Emeritus Professor of Criminal Justice,  
College of Liberal Arts - 1991**

B.A.Ed., University of Central Oklahoma, 1971; M.A.Ed., University of Central Oklahoma, 1975; J.D., Oklahoma City University, 1979

**Broyles, David, Lecturer at the Academy of Contemporary  
Music,**

**College of Fine Arts and Design – 2013**

B.F.A., The College of Santa Fe, 1997; M.M., University of Central Oklahoma, 2017

**Bryant, Carole, Emeritus Assistant Professor of Nursing,  
College of Mathematics and Science- 1978**

B.S.N., Georgetown University, 1956; M.Ed., Oklahoma City University, 1970; M.S., University of Oklahoma, 1978; Ed.D., Oklahoma State University, 1997

**Brym, Michelle, Professor of History and Geography  
College of Liberal Arts – 2010**

B.A., Miami University, 2000; M.A., Miami University, 2002; Ph.D., University of Tennessee, 2009

**Buchanan, Merry, Professor of Mass Communication,  
College of Liberal Arts – 2002**

B.A., University of Central Oklahoma, 1982; M.A., University of Central Oklahoma, 1989; Ph.D., University of Oklahoma, 2001

**Burdina, Mariya, Associate Professor of Economics  
College of Business - 2011**

B.S., Kiev National Economic University, 2002; M.A., North Dakota State University, 2004; Ph.D. University of Colorado at Boulder, 2010

**Burns, Jaime, Associate Professor of Criminal Justice  
College of Liberal Arts – 2011**

B.A., Ouachita Baptist University, 1999; M.S., Oklahoma State University, 2002; Ph.D., Oklahoma State University, 2006

**Burr, Brandon K., Associate Professor of Human Environ-  
mental Sciences,**

**College of Education and Professional Studies – 2012**

B.S., Brigham Young University, 2003; M.S., Oklahoma State University, 2006; Ph.D., Oklahoma State University, 2010

**Buss, Kato, M.T., Chairperson/Assistant Professor of Theatre  
Arts,**

**College of Fine Arts and Design – 2012**

B.F.A., University of South Dakota, 1995; M.A. Humboldt State University, 2007; Ph.D., University of Oregon, 2012

**Butler, Christopher J., Professor of Biology,  
College of Mathematics and Science – 2005**

B.S., Cornell University, 2000; Ph.D., University of Oxford, England, 2003

**Butterfield, Emily J., Professor of Music  
College of Fine Arts and Design – 2008**

B.M., Michigan State University, 1984; M.M. Florida State University, 1987; D.M.A Ohio State University, 2003

**Bryan, Alvin, Emeritus Professor of Accounting  
College of Business, 1961.**

B.S., Abilene Christian College; 1948; M.A., George Peabody College, 1951; Ed.D., Oklahoma State University, 1973

**Byrne, Jesse W., Assistant Dean/Chairperson/Professor of Mathematics and Statistics,**  
**College of Mathematics and Science - 1999**  
 B.A., University of Texas at Austin, 1991; M.S., University of North Texas, 1993; Ph.D., University of North Texas, 1998

## C

**Caddell, Gloria M., Interim Dean/Professor of Biology,**  
**College of Mathematics and Science - 1990**  
 B.A., University of Alabama, 1974; M.A., University of Alabama, 1979; Ph.D., University of North Carolina at Chapel Hill, 1989

**Caire, William, Emeritus Professor of Biology,**  
**College of Mathematics and Science - 1976**  
 B.S., Texas Tech University, 1969; M.S., University of North Texas, 1972; Ph.D., The University of New Mexico, 1978

**Caldwell, Jean, Emeritus Professor of Economics,**  
**College of Business- 1981**  
 B.S.Ed., Drake University, 1961; M.A., University of Kansas, 1967; Ed.D., Northern Illinois University, 1982

**Calvert, Phoebe Jane, Emeritus Assistant Professor of Accounting,**  
**College of Business - 1984**  
 B.S., Oklahoma State University, 1980; Master of Accountancy, University of Oklahoma, 1984; Certified Public Accountant

**Campbell, William, Emeritus Assistant Professor of History and Geography,**  
**College of Liberal Arts- 1966**  
 B.S., Eastern Illinois University, 1964; M.A., Eastern Illinois University, 1965

**Canada-Phillips Stephanie K., Assistant Professor of Kinesiology and Health Studies,**  
**College of Education and Professional Studies – 2012**  
 B.S., East Central University, 1995; M.Ed., East Central University, 1997; Ph.D., University of Oklahoma, 2017

**Carlson, Donna, Emeritus Professor of Business Communication,**  
**College of Business - 2001**  
 B.S., Iowa State University, 1974; M.A., University of Denver, 1977; Ph.D., University of Denver, 2001

**Carlstone, Darry, Emeritus Professor of Engineering and Physics,**  
**College of Mathematics and Science- 1967**  
 B.S., University of Oklahoma, 1961; M.S., Purdue University, 1964; Ph.D., Purdue University, 1968

**Carney, Sharon, Emeritus Associate Professor of Political Science,**  
**College of Liberal Arts- 1977**  
 B.A., University of Central Oklahoma, 1974; M.P.A., University of Oklahoma, 1975

**Carrell, Amy, Professor of English,**  
**College of Liberal Arts - 1993**  
 B. A., Purdue University, 1983; M.A., Purdue University, 1985; Ph.D., Purdue University, 1993

**Carter, Barbara, Associate Professor, Curriculum and Instruction,**  
**College of Education and Professional Studies – 2014**  
 B.A., Oklahoma Baptist University, 1990, M.Ed., University of Central Oklahoma, 2014, M.A., Ph.D., Southwestern Baptist Theological Seminary, 2006

**Carter, Karen, Emeritus Professor Music**  
**College of Fine Arts and Design - 1991**  
 B.M.Ed., Oklahoma State University, 1971; M.S., Oklahoma State University, 1976; Ph.D., University of Oklahoma, 1986

**Carver, Mary, Chairperson/Associate Professor of Mass Communication**  
**College of Liberal Arts – 2009**  
 B.A., Iowa State University, 1988; M.A., Wichita State University, 1994; Ph.D., University of Kansas, 1999

**Cassel, Darlinda G., Professor of Curriculum and Instruction,**  
**College of Education and Professional Studies - 2007**  
 B.S.E., Centenary College of Louisiana, 1981; M.A., Louisiana Tech University, 1983; Ph.D., University of Oklahoma, 2002

**Cassidy, Brandt, Associate Professor, Forensic Science, Forensic Science Institute and Associate Professor of Biology,**  
**College of Mathematics and Science – 2019**  
 B.S., Iowa State University, 1980; Ph.D., Baylor College of Medicine, 1987

**Caster, James, Emeritus Professor of Political Science,**  
**College of Liberal Arts- 1969**  
 J.D., University of Oklahoma, 1955; B.A. Oklahoma City University, 1958; Ph.D., University of New Mexico, 1969

**Chae, Ho Chang, Assistant Professor of Information Systems and Operations Management,**  
**College of Business – 2017**  
 B.S., Hanyang University, 1998; M.S., University of North Texas, 2001; Ph.D., University of North Texas, 2009

**Chandler, Gerald, Emeritus Professor of Advanced Professional Services,**  
**College of Education and Professional Studies- 1991**  
 B.A., Florida State University, 1967; M.A., Florida State University, 1969; Ph.D., Florida State University

**Chapman, David, Professor of Finance**  
**College of Business, 2010**  
 B.S. Oklahoma State University, 1987; MBA, Embry Riddle Aeronautical University, 1991; Ph.D., Oklahoma State University, 2012

**Chappell, Brenda, Chairperson/Associate Professor of Sociology, Gerontology, and Substance Abuse Studies,**  
**College of Liberal Arts – 2006**  
 B.A., University of Central Oklahoma, 2000; M.A., University of Central Oklahoma, 2002; Ph.D., University of Oklahoma, 2011

**Charoenwongse-Shaw, Chindarat , Professor of Music,**  
**College of Fine Arts and Design – 2000**  
 B.F.A., Chulalongkorn University, 1989; M.M., Eastman School of Music, 1993; D.M.A., University of Oklahoma, 1998

**Chen, Jin, Emeritus Professor of Mathematics and Statistics,  
College of Mathematics and Science- 1959**

B.S., National Taiwan University, 1955; M.S., Oklahoma State University, 1959; Ph.D., Oklahoma State University, 1974

**Chen, Huiying, Assistant Professor of Economics  
College of Business – 2017**

B.A., Tianjin University of Finance and Economics, 2008; Ph.D., Texas Tech University, 2017

**Cheng, Joselina, Professor of Information Systems and Operations Management,  
College of Business – 2002**

B.S. University of Central Oklahoma, 1984; MBA, University of Central Oklahoma, 1989; Ph.D., The University of Phoenix, 2008

**Chew, Rick, Emeritus Professor of Humanities and Philosophy,  
College of Liberal Arts - 2003**

B.A., University of Oklahoma, 1966; J.D., University of Oklahoma, 1969; Ph.D., University of Oklahoma, 1999

**Choi, SeonMi, Associate Professor of Design  
College of Fine Arts and Design – 2013**

B.S., Yonsei University, South Korea 1999; M.Des., Yonsei University, South Korea 2002; Ph.D., University of Minnesota, 2011

**Chooback, Lilian, Professor of Chemistry,  
College of Mathematics and Science – 2008**

B.S., Fairleigh Dickinson University, 1979; M.S., Fairleigh Dickinson University, 1982; University of Akron, 1992

**Christie, Art L., Emeritus Lecturer of Substance Abuse Studies,  
College of Liberal Arts - 2003**

B.A., University of Missouri-Columbia, 1964; M.A., University of North Dakota, 1976

**Choudry, Mansur, Instructor in the Donna Nigh Department of Advanced Professional and Special Services- 2017**

B.S., University of Engineering and Technology, Pakistan, 1974; MBA, University of Central Oklahoma, 1983; M.Ed., University of Central Oklahoma, 1996

**Churchill, Lindsey, Associate Professor of History and Geography  
College of Liberal Arts – 2012**

B.A., University of South Florida, 2003; M.A., University of South Florida, 2005; Ph.D., Florida State University

**Clanton, Ray, Emeritus Assistant Professor of Accounting,  
College of Business- 1982**

B.B.A., University of Oklahoma, 1957, Master of Accountancy, University of Oklahoma, 1976; Certified Public Accountant

**Clark, Terry M, Emeritus Professor of Mass Communication,  
College of Liberal Arts - 1990**

B.A., University of Central Oklahoma, 1966; M.A., University of Iowa, 1969; Ed.D., Oklahoma State University, 1991

**Cleary, Shawna, Professor of Criminal Justice,  
College of Liberal Arts - 1998**

B.A. Central State University, 1985; M.A. University of Central Oklahoma, 1992; M.A. University of Central Oklahoma, 1993; Ph.D., University of Oklahoma, 2002

**Cleveland, Harold, Lecturer of Biology,  
College of Mathematics and Science - 2012**

B.S. Northwestern State University, 1962; M.S., University of Illinois, 1965; Ph.D., University of Oklahoma, 1974

**Clinton, John E., Emeritus Dean,  
College of Fine Arts and Design – 2001**

B.A., East Central University, 1969; M.M.E., University of Oklahoma, 1980; Ph.D., University of North Texas, 1991

**Clinton, M. Suzanne, Assistant Dean of Recruitment and Retention/Professor of Management,  
College of Business – 2006**

B.S., Louisiana Tech University, 1990; MBA, Louisiana Tech University; Ph.D., Mississippi State University, 1996

**Cobb, Donna S., Dean/Professor of Kinesiology and Health Studies,  
College of Education and Professional Studies - 1994**

B.S. Ed., East Central Oklahoma State University, 1976; M.Ed., East Central Oklahoma State University, 1977; Ed.D., Oklahoma State University, 1991

**Coby, Malcolm, Emeritus Professor of Curriculum and Instruction,  
College of Education and Professional Studies- 1976**

B.S.Ed., University of Central Oklahoma, 1968; M.Ed., University of Central Oklahoma, 1970; Ph.D., University of Oklahoma, 1976

**Cochran, Croydon, Emeritus Associate Professor of Curriculum and Instruction,  
College of Education and Professional Studies- 1974**

B.A., University of Oklahoma, 1954, M.Ed., University of Oklahoma, 1959; Ed.D., Oklahoma State University 1969

**Coe, Judith, Emeritus Dean/Professor of Professional Teacher Education,  
College of Education and Professional Studies- 1986**

B.A., Southeastern Oklahoma State University, 1967; M.Ed., Southeastern Oklahoma State University, 1973, Ed.D., Oklahoma State University, 1985

**Coker, Homer, Emeritus Professor Department of Health, Physical Education, Recreation, and Dance,  
College of Education and Professional Studies- 1969**

B.S., East Texas State University, 1955; M.Ed., East Texas State University, 1956; Ed.D., University of Arkansas, 1964

**Coleman, Cynthia, Emeritus Instructor of Chemistry,  
College of Mathematics and Science- 1981**

B.A., University of North Carolina Bursburro, 1966; M.S., North Carolina State Raleigh, 1968

**Collamore, Casie, Lecturer of Biology,  
College of Mathematics and Science – 2016**

B.S., Oklahoma City University, 2002, M.S., University of Oklahoma Health Sciences Center, 2004, Ph.D., University of Oklahoma Health Sciences Center, 2007

**Collins, Edward C., Emeritus Professor of Advance Professional and Special Services,  
College of Education and Professional Studies - 1976**  
B.A., Gonzaga University, 1966; M.T., East Central Oklahoma State University, 1967; Ph.D., University of Oklahoma, 1976

**Collins, Julie, Professor of Advanced Professional and Special Services,  
College of Education and Professional Studies – 2008**  
B.S. University of Oklahoma, 1986; M.Ed. University of Oklahoma, 1992; Ph.D. University of Oklahoma, 2007

**Cone, Trey, Professor of Kinesiology and Health Studies,  
College of Education and Professional Studies - 2001**  
B.A. Ouachita Baptist University, 1997; M.S., Texas A & M University - Commerce, 1998; Ed.D., Texas A & M University - Commerce, 2001

**Conlon, Patrick, Assistant Director of the Academy of Contemporary Music,  
College of Fine Arts and Design – 2013**  
B.M., University of Oklahoma, 2006; M.M., University of Oklahoma, 2013

**Cook, Tyler, Associate Professor of Mathematics and Statistics,  
College of Mathematics and Science – 2015**  
B.S., University of Missouri, 2008; Ph.D., University of Missouri, 2015

**Coon, Beverly, Lecturer of Sociology, Gerontology and Substance Abuse Studies  
College of Liberal Arts – 2017**  
B.S. University of Oklahoma, 1979; B.A. University of Central Oklahoma, 2005; M.A. University of Oklahoma, 2007

**Cooper, Charles, Emeritus Professor of Mathematics and Statistics,  
College of Mathematics and Science - 1995**  
B.S., University of Oklahoma, 1976; M.S., University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1990

**Cooper, Elizabeth, Instructor of Nursing,  
College of Mathematics and Science – 2019**  
A.A.S., Redlands Community College, 1993; B.S., Oklahoma Baptist University, 2018; M.S., Oklahoma Baptist University, 2018

**Copley, Leeda, Assistant Professor of Sociology, Gerontology, and Substance Abuse Studies  
College of Liberal Arts – 2010**  
B.A., Ohio State University, 2003; M.A., Ohio State University, 2005

**Couts, Patsy M., Emeritus Professor of Advanced Professional and Special Services,  
College of Education and Professional Studies - 1992**  
B.S., Southwestern Oklahoma State University, 1966; M.L.S., University of Oklahoma, 1984; Ed.D., Oklahoma State University, 1995

**Cowan, J. Sunshine, Professor of Kinesiology and Health Studies,  
College of Education and Professional Studies - 2004**  
B.S., University of Central Oklahoma, 2000; M.P.H., University of Oklahoma Health Sciences Center, 2002; Ph.D, Oklahoma State University, 2009

**Cowan, Jerel, Professor of Kinesiology and Health Studies,  
College of Education and Professional Studies - 2004,**  
B.S., University of Central Oklahoma, 2000; M.S., Oklahoma State University, 2004; Ph.D, Oklahoma State University, 2009

**Cox, Beverley, Emeritus Professor of Biology,  
College of Mathematics and Science- 1961**  
B.S., Pennsylvania State University, 1951; M.S., Pennsylvania State University, 1953; Ph.D., University of Oklahoma, 1960

**Cox, Megan, Instructor of Mass Communication,  
College of Liberal Arts – 2019**  
B.A., University of Colorado, 2002; M.A., University of Oklahoma, 2007

**Creecy, James, Assistant Director, Forensic Science, Forensic Science Institute/Associate Professor of Biology,  
College of Mathematics and Science - 2013**  
B.S., New Mexico Institute of Mining and Technology, 2003; M.S., New Mexico Institute of Mining and Technology, 2005; Ph.D., University of Oklahoma, 2015

**Creed, Kay, Emeritus Assistant Professor of Music,  
College of Fine Arts and Design- 1987**  
B.M., Oklahoma City University, 1964; Metropolitan Opera Studio, 1967; M.P.A., Oklahoma City University, 1982

**Cumbie, Julie, Professor of Finance,  
College of Business – 1999**  
B.B.A. University of Central Oklahoma, 1982; M.B.A. University of Central Oklahoma, 1983; Ph.D., Kansas State University, 2012

**Cunliff, Ed, Professor of Adult Education and Safety Sciences,  
College of Education and Professional Studies, 2010**  
BA, DePauw University, 1969; MA, University of Oklahoma, 1974; PhD, University of Oklahoma, 1983

**Curl, Kenneth, Emeritus Professor of Funeral Service,  
College of Mathematics and Science- 1975**  
B.S., University of Central Oklahoma, 1969; M.S., Oklahoma State University, 1978; Ph.D., Oklahoma State University, 1984

**Currier, Susanne, Professor of Economics,  
College of Business – 2002**  
B.S. University of National Iranian Oil Company 1980; M.B.A. University of Central Oklahoma, 1994, Ph.D. Oklahoma State University, 2002

## D

**Dadlez, Eva M., Professor of Humanities and Philosophy,  
College of Liberal Arts - 1993**  
B.A., Syracuse University, 1978; M.L.S., Syracuse University, 1982; M.A., Syracuse University, 1986; Ph.D., Syracuse University, 1991

**Dalinger, Tara, Assistant Professor of Donna Nigh Advanced Professional and Special Services**

**College of Education and Professional Studies- 2016**

B.S., University of Central Oklahoma, 2002; M.Ed., University of Central Oklahoma, 2005; Ph.D., Oklahoma State University, 2018

**Davis, Jill, Associate Professor of Curriculum and Instruction College of Education and Professional Studies- 2015**

B.S. Northeastern State University, 199; M.Ed. Northeastern State University, 2009; Ph.D, University of Oklahoma, 2015

**Davis, Lola S., Emeritus Professor Curriculum and Instruction, Emeritus Faculty**

**College of Education and Professional Studies - 1992**

B.S., University of Central Oklahoma, 1977; M.Ed., University of Central Oklahoma, 1986; Ed.D., Oklahoma State University, 1993

**DeBolt, Darian, Emeritus Professor of Humanities and Philosophy,**

**College of Liberal Arts – 2001**

B.A., University of Oklahoma, 1968; FBINA, University of Virginia, 1984; M.A., University of Oklahoma, 1985; Ph.D., University of Oklahoma, 1993

**de los Santos, Tomas, Emeritus Professor of Economics, College of Business - 1991**

B.A., Universidad Autonoma de Nuevo Leon, 1972; M.A., Boston University, 1976; Ph.D., Clark University, 1988

**Deen, Cari, M., Lecturer of Biology,**

**College of Mathematics and Science – 2003**

B.A., Scripps College, 1994; M.S., University of Oklahoma, 1999; Ph.D., University of Oklahoma, 2003

**Dehnert, Lon, Emeritus Professor of Music,**

**College of Fine Arts and Design - 1987**

B.M.E., University of Kansas, 1977; M.M., University of Missouri-Kansas City, 1982; D.M.A., University of Kansas, 1987

**Delano, Robert, Emeritus Professor of Adult Education and Safety Sciences,**

**College of Education and Professional Studies – 2005**

B.S., Central State University, 1972; M.S., University of Oklahoma, 1978; Ph.D., Oklahoma State University, 2003

**De Lara, Christy, Lecturer in Modern Languages, Literatures, and Cultural Studies,**

**College of Liberal Arts – 2018**

B.A., University of Central Oklahoma, 2013; M.S., Oklahoma State University, 2014; M.A., University of Oklahoma, 2017

**DeMaio, Barbara, Associate Professor of Voice**

**College of Fine Arts and Design-2012**

B.M., Oklahoma City University, 1976; M.M., Oklahoma City University, 1998; D.M.A., Shenandoah Conservatory, 2013

**Dentlinger, Nancy, Emeritus Professor of Nursing,**

**College of Mathematics and Science – 2005**

B.S., Oklahoma University, 1987; M.S., Oklahoma University, 1996; Ed.D., Oklahoma State University, 2003

**Derrick, Robert, Lecturer at the Academy of Contemporary Music,**

**College of Fine Arts and Design – 2017**

A.A.S., University of Central Oklahoma, 2012

**Deskin, Jack, Emeritus Professor of Communication, College of Liberal Arts- 1973**

B.S., Oklahoma State University, 1964; M.A., Oklahoma State University, 1968; Ph.D., University of Southern Mississippi, 1977

**Devenport, Jill A., Emeritus Director of the Office of Research Compliance / Professor of Psychology, College of Education and Professional Studies - 1987**

B.A., State University of New York College at Buffalo, 1975; M.S., Southern Oregon State College, 1978; Ph.D., University of Oklahoma, 1986

**Dever, William, Emeritus Assistant Professor of Political Science, College of Liberal Arts- 1967**

B.A., Oklahoma State University, 1958; M.A., Oklahoma State University, 1970

**DeVries, JoAnn, Emeritus Associate Professor of Accounting, College of Business- 1985**

B.S., University of Nebraska-Lincoln, 1958; M.S., Oklahoma State University, 1971; Ph.D., Oklahoma State University, 1975; Certified Public Accountant

**Diaz Montejo, Maria, Lecturer, of History and Geography, College of Liberal Arts – 2018**

B.A. Carleton University, Ottawa, 2003; M.A. University at Albany, 2005; Ph.D. University at Albany, 2016

**Dickinson, Lucia, Instructor of Funeral Service, College of Mathematics and Science-2018**

B.S., University of Central Oklahoma, 2011; M.B.A., Capella University, 2017

**Dickson, Warren, Associate Professor of Information Systems and Operations Management,**

**College of Business - 2000**

BFA, University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1994

**Doan, Robert E., Professor of Psychology,**

**College of Education and Professional Studies – 2007**

B.S., Oklahoma State University, 1965; M.S., Washington State University, 1966; M.Ed., Central State University, 1982; Ph.D., University of Oklahoma, 1988

**Dowd, Karen, Emeritus Professor of Kinesiology and Health Studies/Associate Vice President for Academic Affairs, College of Education and Professional Studies- 1975**

B.S., Texas Women's University, 1969; M.Ed., University of Central Oklahoma, 1972; Ed.D., Oklahoma State University, 1979

**Downing, Carl, Emeritus Professor of Curriculum and Instruction,**

**College of Education and Professional Studies-1 963**

B.S., Northeastern Oklahoma State University, 1951; M.T., Northeastern Oklahoma State University, 1956; Ed.D., Oklahoma State University, 1963



**Dronberger, Gladis, Emeritus Professor of Curriculum and Instruction,**

**College of Education and Professional Studies- 1978**

B.S., University of Central Oklahoma, 1950; M.Ed., University of Oklahoma, 1967; Ph.D., University of Oklahoma, 1973

**Duffy, Donald, Emeritus Professor of English,**

**College of Liberal Arts- 1969**

B.A., University of Central Oklahoma, 1960; M.A., Oklahoma State University, 1963; Ed.D., Oklahoma State University, 1969

**Duke, Bryan, Associate Dean/Director of Teacher Education/ Professor of Educational Sciences, Foundations, & Research, College of Education and Professional Studies - 2002**

B.A.Ed., University of Central Oklahoma, 1991; M.Ed., University of Central Oklahoma, 1995; Ph.D., University of Oklahoma, 2003

**Dumin, Laura, Associate Professor of English**

**College of Liberal Arts – 2011**

B.A., Virginia Tech, 1999; M.S., Radford University, 2001; Ph.D., Oklahoma State University, 2010

**Dunnington, Jamie, Assistant Professor of Kinesiology and Health Studies**

**College of Education and Professional Studies- 2015**

B.S. Southern Nazarene University, 1999; M.S. University of Oklahoma, 2005; Ph.D., University of Oklahoma, 2017

**Duty, David, Lecturer of Mass Communication**

**College of Liberal Arts – 2015**

B.A., Northern Illinois University, 1985; M.A. University of New Mexico, M.A., Wichita State University, 1998; Ph.D., University of Oklahoma, 2009

## E

**Eakins, Keith R., Professor of Political Science,**

**College of Liberal Arts - 1999**

B.A., Ohio State University, 1985; J.D., Ohio State University, 1989; M.A., Ohio State University, 1999; Ph.D., Ohio State University, 1999

**Ebrite, Lou, Emeritus Professor of Adult Education and Safety Sciences,**

**College of Education and Professional Studies- 1985**

B.S., University of Central Oklahoma, 1974; M.Ed., University of Central Oklahoma, 1977; Ph.D., Colorado State University, 1979

**Eckard, Kevin, Professor of Music,**

**College of Fine Arts and Design – 2003**

B.A., College of Charleston, 1993; M.M. Indiana University, 1997; D.M.A., University of South Carolina, 2002

**Eitrhein, Eric, Assistant Professor of Chemistry,**

**College of Mathematics and Science-2018**

B.A., Luther College, 2012; Ph.D., University of Iowa, 2017

**Elderton, Jodi, Instructor of Nursing,**

**College of Mathematics and Science – 2016**

B.S., Illinois State University, 1981, B.S.N., Regis University, 1994, M.S.N., Oklahoma Baptist University, 2012

**Eliot, Jason, Assistant Professor of Management**

**College of Business – 2019**

BA, Westminster College, 1994; JD, Washington and Lee University School of Law, 1997

**Elliott, Mary, Emeritus Professor Department of Finance,**

**College of Business- 1968**

B.S., East Central Oklahoma State University, 1951; M.Ed., University of Oklahoma, 1955; Ed.D., University of Oklahoma, 1970

**Ellis, R. Barry, Professor of Finance,**

**College of Business – 2007**

B.B.A., Baylor University, 1974; M.B.A., East Texas State University, 1980; Ph.D., University of North Texas, 2000

**Ellis, B. Shawna, Assistant Professor of Chemistry,**

**College of Mathematics and Science – 2014**

B.S., University of Oklahoma, 2005; M.S., University of Oklahoma, 2012; Ph.D., University of Oklahoma, 2013

**Elmendorf, David, Emeritus Professor of Biology,**

**College of Mathematics and Science- 1992**

B.S. Andrews University, 1973; M.S., Walla Walla College, 1979; Ph.D., Memphis State University, 1990

**Endicott, Jennifer J., Emeritus Professor of Educational Sciences, Foundations, & Research,**

**College of Education and Professional Studies - 1988**

B.A., University of Oklahoma, 1969; M.Ed., University of Oklahoma, 1975; Ph.D., University of Oklahoma, 1987

**Endres, Dan, Professor of Mathematics and Statistics,**

**College of Mathematics and Science - 1997**

B.S., University of New Mexico, 1983; M.A., University of New Mexico, 1986; Ph.D., University of New Mexico, 1992

**Epplin, Maryellen, Emeritus Professor of Finance,**

**College of Business - 1991**

B.A., Montclair State College, 1975; M.S., Iowa State University, 1977; Ph.D., Oklahoma State University, 1992

**Epstein, Robert, Professor of Management**

**College of Business – 1992**

B.S., Cornell University, 1973; M.A., University of Denver, 1974; M.A., Annenberg School of Communications at the University of Southern California, 1976; Ph.D., Annenberg School of Communications at the University of Southern California

**Eshelman, Darla, Emeritus Professor of Music**

**College of Fine Arts and Design – 2009**

B.S., Grand Canyon University, 1981; M.M., Arizona State University, 1989; Ph.D., University of Oklahoma, 1995

**Evans, Cheryl, Professor of the Donna Nigh Department of Advanced Professional and Special Services,**

**College of Education and Professional Studies - 2007**

B.S., Oklahoma State University, 1988; M.S., Oklahoma State University, 1998; Ed.D., Oklahoma State University, 2004

**Everette, Frances, Emeritus Professor of Psychology,**

**College of Education and Professional Studies- 1986**

B.S., Oklahoma State University, 1968; Ph.D., University of New Mexico, 1972

**Ewing, Anne, Emeritus Professor of Biology,  
College of Mathematics and Science - 2004**  
B.S., Iowa State University, 1976; M.S., UC Berkeley, 1978;  
P.D., UC Berkeley, 1981

## F

**Faulkner, Cynthia, Instructor of Mass Communication,  
College of Liberal Arts – 2017**  
B.A., Southwest Baptist University, 1991; M.A., Missouri School  
of Journalism, 1994

**Fent-Kelly, Darla, Assistant Dean/Professor of Kinesiology  
and Health Studies,  
College of Education and Professional Studies - 2004,**  
B.S., Oklahoma City University, 1982; M.S. Ed., Baylor University,  
1983; Ed.D., Oklahoma State University, 1997

**Fenwick, Allyson M., Associate Professor of Biology,  
College of Mathematics and Science - 2013**  
B.A., Michigan State University, 2003; B.S., Michigan State  
University, 2003; M.S., University of Texas at Tyler, 2006; Ph.D.,  
University of Central Florida, 2012

**Ferguson, John M., Professor of Chemistry,  
College of Mathematics and Science - 1995**  
B.S., University of Kansas, 1987; Ph.D., Iowa State University,  
1993

**Ferrell-Lynn, Deborah, Lecturer of Political Science,  
College of Liberal Arts – 2014**  
B.A., University of Oklahoma, 1982; M.P.A., University of Okla-  
homa, 1991

**Fetty, Blake, Lecturer of Modern Languages, Literatures and  
Cultural Studies;  
College of Liberal Arts – 2016**  
B.S., Northern Arizona University, 2012; M.A., Northern Arizona  
University, 2014

**Findley, Dean, Associate Professor of Adult Education and  
Safety Science  
College of Education and Professional Studies- 2015**  
B.S. Oklahoma Christian University, 1982; M.S. Oklahoma State  
University, 2008; Ph.D. Oklahoma State University, 2015

**Fink, Kevin, Assistant Professor of Kinesiology and Health  
Studies  
College of Education and Professional Studies-2016**  
B.S., Truman State University, 2005; B.A., Truman State Uni-  
versity, 2005; M.S. Oklahoma State University, 2007; Ph.D.,  
Oklahoma State University, 2011

**Fister, Nelda, Assistant Professor of Nursing,  
College of Mathematics and Science - 1975**  
B.S., Oklahoma Baptist University, 1965; M.S., University of  
Oklahoma, 1974

**Fitzer, Paul, Emeritus Associate Professor of Computing Science,  
College of Mathematics and Science- 1973**  
B.S.Ed., Southeastern Oklahoma State University, 1962; M.A.,  
Southeastern Oklahoma State University, 1968; Ed.D., Oklahoma  
State University, 1978

**Fleming, Donald, Emeritus Professor of Finance,  
College of Business- 1976**  
B.B.A., University of Oklahoma, 1957; M.B.A., University of  
Oklahoma, 1963; D.B.A., Texas Tech University, 1974

**Folsom, Daisy, Professor of Theatre Arts, Certified Lessac  
Trainer  
College of Fine Arts and Design - 2004**  
B.F.A., Eastern New Mexico University, 1990; M.F.A., Louisiana  
State University, 1993

**Forbat, David, Professor of Music  
College of Fine Arts and Design – 2005**  
B.M., University of Southern California, 1983; M.M., University  
Of Cincinnati College of Conservatory Music, 1985; D.M.A.,  
Peabody Institute of the Johns Hopkins University, 1996

**Ford, Bob, Emeritus Professor of English,  
College of Liberal Arts- 1965**  
B.S., Southeastern Oklahoma State University, 1957; M.S., Okla-  
homa State University, 1960; Ed.D., University of Oklahoma,  
1972

**Ford, Bonnie, Emeritus Professor of Curriculum and Instruction,  
College of Education and Professional Studies- 1981**  
B.S., Sam Houston State University, 1959; M.Ed., North Texas  
State University, 1964; Ed.D., North Texas State University, 1966

**Ford, Darrell, Professor of Legal Studies,  
College of Business – 2005**  
B.S. Oklahoma State University, 1982; M.B.A. The University of  
Texas at Austin, 1986; J.D. The University of Texas at Austin, 1986

**Ford, David A., Emeritus Professor of Sociology, Gerontology,  
and Substance Abuse Studies,  
College of Liberal Arts - 1990**  
B.A., Oral Roberts University, 1973; M.S., Oklahoma State  
University, 1975; Ph.D., Oklahoma State University, 1988

**Ford, Thomas, Emeritus Assistant Professor of Computer  
Science,  
College of Mathematics and Science- 1969**  
B.S., Southwestern Oklahoma State University, 1962; M.S., Uni-  
versity of Oklahoma, 1976

**Foster, Jennifer, Lecturer of Mass Communication  
College of Liberal Arts – 2014**  
B.A. University of Central Oklahoma, 2005; M.A. University of  
Central Oklahoma, 2008

**Frair, John, Emeritus Instructor of Mass Communication,  
College of Liberal Arts- 1999**  
B.S., East Texas State University, 1971; M.S., East Texas State  
University, 1972

**Franz, Rachelle L., Associate Professor of Kinesiology and  
Health Studies,  
College of Education and Professional Studies - 2007**  
B.S., Southwestern Oklahoma State University, 1998; M.S.,  
Southwestern Oklahoma State, 2000; Ed.D., Waldon University,  
2013

**Frech, Cheryl Baldwin, Professor of Chemistry,  
College of Mathematics and Science - 1991**

B.S., Oklahoma State University, 1981; M.S., University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1987

**Fritch, John B., Chairperson/Associate Professor of Funeral Service**

**College of Mathematics and Science - 2011**

B.A., University of Kansas, 1993; B.S., University of Central Oklahoma, 1996; M.Ed., University of Central Oklahoma, 2006; Ph.D., Oklahoma State University, December 2011

**Frosch, Dorothy, Emeritus Professor of Biology,  
College of Mathematics and Science- 1966**

B.S.Ed., Central State University, 1958, M.D., Central State University, 1964; Ed.D., Oklahoma State University, 1973

**Fu, Jicheng, Professor of Computer Science,  
College of Mathematics and Science – 2009**

B.S., Harbin Institute of Technology, China, 1996; M.S., Harbin Institute of Technology, China, 1998; M.S., The University of Texas at Dallas, 2007; Ph.D., The University of Texas at Dallas, 2009

**Fulkerson, Michael C., Professor of Mathematics and Statistics,  
College of Mathematics and Science – 2008**

B.S., Central Michigan University, 2001; M.A., Central Michigan University, 2003; Ph.D., Texas A&M University, 2008

**Fullgraf, Herman, Emeritus Assistant Professor of History  
and Geography,  
College of Liberal Arts- 1961**

B.A., University of Central Oklahoma, 1955; M.T., University of Central Oklahoma, 1958

**Furmanski, Louis S., Professor of Political Science,  
College of Liberal Arts - 1991**

B.A., Union College-New York, 1972; M.A., Purdue University, 1980; Ph.D., Purdue University, 1990

G

**Gamagedara, Sanweeja – Associate Professor of Chemistry  
College of Mathematics and Science - 2015**

B.S., University of Peradeniya, 2006; Ph.D. Missouri University of Science & Technology, 2012

**Garcia, Lea Ann, Assistant Professor of the Donna Nigh Department of Advance Professional and Special Services,  
College of Education and Professional Studies - 2007**

B.A.Ed., University of Central Oklahoma, 1988; M.Ed., University of Central Oklahoma, 2003; Ph.D., Liberty University, 2018

**Garrison, Stephen, Professor of English,  
College of Liberal Arts - 1981**

B.A., Baylor University, 1974; M.A., Baylor University, 1977; Ph.D., University of South Carolina, 1981

**Gatch, Loren, Professor of Political Science,  
College of Liberal Arts - 1998**

B.A., University of Chicago, 1981; M.A., Columbia University, 1986; Ph.D., Cornell University, 1999

**Gayzur, Nora, Associate Professor of Psychology,  
College of Education and Professional Studies – 2013**

B.S., University of Maryland, 2005; M.S., North Dakota State University, 2008; Ph.D., North Dakota State University, 2013

**Geib, Michael, Assistant Professor of Music  
College of Fine Arts and Design-2011**

B.A., Clemson University, 2007; M.M., Florida State University, 2010; D.M., Florida State University, 2013

**Genchev, Stefan, Professor of Marketing,  
College of Business - 2007**

B.B.A., The University of National and Global Economy, 1994; MBA, University of Oklahoma, 2002; Ph.D., University of Oklahoma, 2007

**Gibson, Donald D., Lecturer of Chemistry,  
College of Mathematics and Science - 2003**

B.A., Oklahoma City University, 1971; M.S., University of Oklahoma Health Sciences Center, 1975

**Giles, Herbert, Emeritus Professor of Marketing,  
College of Business- 1980**

B.S., Oklahoma City University, 1959; M.B.A, Oklahoma City University, 1967; Ph.D., University of Oklahoma, 1980

**Gillian, Joseph Ryan, Lecturer at the Academy of Contemporary Music,  
College of Fine Arts and Design – 2013**

B.M., University of Central Oklahoma, 2000

**Givan, Christopher F., Emeritus Professor of English,  
College of Liberal Arts - 1986**

B.A., Yale University, 1966; M.A., Stanford University, 1968; Ph.D., Stanford University, 1970

**Glaubitz, Robert, Professor of Music  
College of Fine Arts and Design – 2009**

B.M., University of Hartford, 1999; M.M., University of Colorado at Boulder, 2002; D.M.A., University of Colorado at Boulder, 2008

**Goad, Emily, Assistant Professor of Marketing  
College of Business, 2020**

B.B.A., The University of Texas at Arlington, 2003; MBA, The University of Texas at Arlington, 2008; Ph.D., The University of Texas at Arlington, 2014

**Gomez-Wilkinson, Amalia, Lecturer of Modern Languages,  
Literatures and Cultural Studies  
College of Liberal Arts – 2014**

B.A. Oklahoma City University, 1992; M.B.A. Oklahoma City University, 1994; B.A. University of Central Oklahoma 1996

**Goodman, Sue Ann, Emeritus Assistant Professor of Mathematics and Statistics,  
College of Mathematics and Science- 1969**

B.S., Southeastern Oklahoma State University, 1966; M.A., University of Oklahoma, 1968

**Gormus, Alper, Associate Professor of Finance  
College of Business - 2020**

B.A., Texas Tech University, 1999; MS, Texas Tech University, 2005; Ph.D., University of Texas at Arlington, 2012

**Correll, Brian, Instructor of Music, Director of Jazz Studies  
College of Fine Arts and Design – 2006**

B.M.E., University of Central Oklahoma, 1995; M.M., Oklahoma City University, 1998

**Goudge, Darrell L., Emeritus Professor of Marketing,  
College of Business - 1992**

B.S., Iowa State University, 1976; M.B.A., National University-San Diego, CA, 1981; M.S., University of Colorado-Boulder, 1989, Ph.D., New Mexico State University, 1994

**Goulding, Marc, Associate Professor of History and Geography  
College of Liberal Arts – 2014**

B.A. New York University, 1999; Ph.D. New York University - 2012

**Gourley, Michael, Emeritus Assistant Professor of Computer  
Science,**

**College of Mathematics and Science - 1982**

B.B.A., University of Oklahoma, 1974; M.S., University of Oklahoma, 1975

**Govich, Marilyn, Professor of Music,  
College of Fine Arts and Design - 1992**

B.M., University of Oklahoma, 1971; B.M.E., University of Oklahoma, 1971; M.M., University of Oklahoma, 1973; D.M.A., University of Oklahoma, 2002

**Graham, Melissa, Associate Professor of Marketing  
College of Business, 2014**

B.S., Middle Tennessee State University, 1996; M.A., Austin Peay State University, 2000; Ph.D., University of Tennessee 2014

**Gray, Gordon, Professor of Marketing  
College of Business – 2008**

B.S., East Central Oklahoma State University, 1983; MBA, Oklahoma State University, 1985; Ph.D., University of Oklahoma, 1994

**Green, Barbara, Emeritus Professor of the Donna Nigh Department of Advanced Professional and Special Services,  
College of Education and Professional Studies - 1991**

B.S., Cameron University, 1980; M.S., Southwestern Oklahoma State University, 1986; Ph.D., Oklahoma State University, 1992

**Green, Donald, Emeritus Professor Department of History and Geography,  
College of Liberal Arts- 1969**

B.A., Abilene Christian University, 1958; M.A., Texas Tech University, 1959; Ph.D., University of Oklahoma, 1969

**Green, Jerry, Assistant Professor of Humanities and Philosophy  
College of Liberal Arts – 2017**

B.A. Ohio University, 2008; M.A. Texas Tech University, 2010; M.A. University of Texas Austin, 2014; Ph.D. University of Texas Austin, 2016

**Green, Malinda Hendricks, Emeritus Professor of Educational Sciences, Foundations, & Research,  
College of Education and Professional Studies - 1989**

B.A., Northwestern Oklahoma State University, 1971; M.A., Northwestern Oklahoma State University, 1976; Ph.D., University of Oklahoma, 1989

**Green, Pamela, Emeritus Assistant Professor of Music,  
College of Fine Arts and Design- 1981**

B.M., Oklahoma City University, 1970. M.M., Oklahoma City University, 1973; Post Graduate Studies, University of Oklahoma

**Grellner, Janelle, Professor of Psychology,  
College of Education and Professional Studies - 2001**

B.S., University of Central Oklahoma, 1981; M.A., University of Central Oklahoma, 1991; Ph.D., University of Oklahoma, 2001

**Grosz, Fred, Emeritus Professor of Chemistry,  
College of Mathematics and Science- 1978**

B.S., Minot State College, 1962; Ph.D. University of South Dakota, 1970

**Grow, Engel, Emeritus Professor of Educational Sciences, Foundations, & Research,**

**College of Education and Professional Studies- 1965**

B.A., McKendree College, 1951; M.S., Southern Illinois University- Carbondale, 1955; Ed.D., University of Tulsa, 1965

**Grzybowski, Joseph A., Emeritus Professor of Funeral Service,  
College of Mathematics and Science - 1983**

B.S., Saint Bonaventure University, 1970; M.S., Saint Bonaventure University, 1974; Ph.D., University of Oklahoma, 1980.

**Guild, Thomas, Emeritus Professor of General Business,  
College of Business- 1979**

B.A., University of Oklahoma, 1976; J.D., Southern Methodist University, 1979

**Guthrie, Cal, Emeritus Associate Professor Mathematics and Statistics,**

**College of Mathematics and Science- 1958**

B.S., University of Central Oklahoma, 1957; M.S., Oklahoma State University, 1959

**Gwin, Nancy, Assistant Professor of Nursing,  
College of Mathematics and Science – 2005**

B.S.N., University of Missouri, 1981; M.S., University of Oklahoma, 1985; D.N.P., American Sentinel University, 2018

## H

**Haff, Maurice – Instructor of Management  
College of Business, 2014**

B.S., Oklahoma State University, 1970; M.S. The George Washington University, 1980; MBA, The George Washington University

**Hakala, Marcia, Emeritus Associate Professor of Foreign Languages,**

**College of Liberal Arts- 1988**

B.A., Northern Michigan University, 1956; M.A., University of Wisconsin, 1956; Ph.D., Indiana University, 1970; M.S., University of Nebraska, 1977

**Hall, Donald, Emeritus Assistant Professor of Professional Teacher Education,**

**College of Education and Professional- 1986**

B.A., Central State University, 1957; M.Ed., University of Oklahoma, 1961; Ed.D., University of Oklahoma, 1969

**Hall, Shannon, Lecturer of History and Geography,  
College of Liberal Arts – 2016**

B.S., University of Maryland Baltimore County, 1998; M.S. University of Georgia, 2004; Ph.D., University of Oklahoma, 2015

**Hamlin, Mark E., Professor of Psychology,  
College of Education and Professional Studies - 1995**

B.S., Oklahoma Christian University of Science and Arts, 1991; M.A., University of Central Oklahoma, 1994; Ph.D., Oklahoma State University, 2001

**Hammond, Frederick D., III, Professor of Educational Sciences, Foundations, & Research**

**College of Education and Professional Studies - 2007**

B.A., Langston University, 1988; M.Ed., University of Oklahoma, 2002; Ph.D., University of Oklahoma 2006

**Hanan, David, Lecturer of Music, Associate Director of Bands  
College of Fine Arts and Design - 2004**

B.S.E., Missouri Western State College, 1995; M.M., University of Missouri-Kansas City, 1997; Ph.D., University of Oklahoma, 2017

**Hancock, Thomas, Chairperson/Professor of Psychology,  
College of Education and Professional Studies, 2010**

B.A., Saginaw Valley State University, 1994; M.A., Central Michigan University, 1997; Ph.D., University of Georgia, 2002

**Hanebutt, Mark P., Professor of Mass Communication,  
College of Liberal Arts - 1987**

B.A., University of Evansville, 1973; M.A., University of Central Oklahoma, 1990; J.D., Oklahoma City University School of Law, 1998

**Hansen, Billye, Emeritus Professor of General Business,  
College of Business- 1988**

B.S., Oklahoma State University, 1969; M.B.E. University of Central Oklahoma, 1971; Ed.D., Oklahoma State University, 1984

**Hanson, Olivia, Emeritus Professor of Chemistry,  
College of Mathematics and Science- 1991**

B.S., University of Oklahoma, 1972; Ph.D. University of Oklahoma Health Sciences, 1982

**Harding, Jo, Emeritus Assistant Professor of Nursing,  
College of Mathematics and Science- 1981**

B.A., Central State University, 1974; M.S.Ed., Central State University, 1974; M.S., University of Oklahoma, 1976

**Hardman, David, Instructor of Music,  
College of Fine Arts and Design – 2003**

B.M., Ball State University, 1981; M.M., University of Cincinnati, 1983

**Hardt, Jan, Professor of Political Science,  
College of Liberal Arts - 1995**

B.A., Union College, 1986; M.A., University of California-Davis, 1988; Ph.D., University of Maryland, 1993

**Harris, Connie J., Instructor of Nursing,  
College of Mathematics and Science – 2009**

B.S.N., University of Oklahoma Health Sciences Center, 1980; M.S.N., University of Oklahoma Health Sciences Center, 1984

**Harris, Dave, Emeritus Professor of Management,  
College of Business- 1992**

B.A., University of Washington, 1981; M.M. Willamette University, 1986; J.D., Willamette University, 1986

**Harris, Linda, Associate Professor, Educational Sciences,  
Foundations and Research,**

**College of Education and Professional Studies – 2014**

B.S., Pennsylvania State University, 1981, M.A., Sacred Heart University, 1998, C.A.S., Sacred Heart University, 2010, Pd.D., Northeastern University, 2014

**Harrison, Terry, Emeritus Assistant Professor of Biology/Assistant Dean,**

**College of Mathematics and Science- 1974**

B.S., East Central State University, 1965; M.S., University of Oklahoma, 1967; Ph.D., University of North Texas, 1974

**Hart, David, Emeritus Professor of Chemistry,  
College of Mathematics and Science- 1976**

B.A., Illinois College, 1958; M.S., Pennsylvania State University, 1961; Ph.D., Pennsylvania State University, 1963

**Hartmann, David, Emeritus Professor of Information Systems and Operations Management,**

**College of Business - 2000**

B.S., United States Air Force Academy, 1969; M.S., Air Force Institute of Technology, 1976; M.B.A., College of William and Mary, 1987; Ph.D., Oklahoma State University, 2004

**Harvey, Tierney, Lecturer of Engineering and Physics,  
College of Mathematics and Science – 2018**

B.S., University of Virginia, 2009; Ph.D., Duke University, 2015

**Haskin, Dan, Emeritus Professor of Accounting,  
College of Business - 1993**

B.S., West Texas State University, 1968; B.B.A., Texas Tech University, 1974; M. S.- Accounting, Texas Tech University, 1976; Ph.D., Texas Tech University, 1982; Certified Public Accountant

**Haulman, April, Professor of Curriculum and Instruction,  
College of Education and Professional Studies - 1983**

B.A., Colorado State University, 1972; M.Ed., University of Oklahoma, 1978; Ph.D., University of Oklahoma, 1987

**Hawthorne, Angela Marks, Professor of Theatre Arts,  
College of Fine Arts and Design – 1998**

B.F.A., West Virginia University, 1994; M.F.A., University of Georgia, 1998

**Haxton, Paul, Professor of the Donna Nigh Department of  
Advanced Professional and Special Services,**

**College of Education and Professional Services – 2009**

B.S., Oklahoma State University, 1969; B.S., University of Science and Arts of Oklahoma, 1978; M.S., Oklahoma State University, 1998; Ed.D., Oklahoma State University, 2009

**Hayes, Kevin J., Emeritus Professor of English,  
College of Liberal Arts - 1991**

B.A. University of Toledo, 1981; M.E., University of Toledo, 1983; M.A., University of Delaware, 1989; Ph.D., University of Delaware, 1991

**Haynie, Michelle L., Professor of Biology,  
College of Mathematics and Science – 2007**

B.S., Oklahoma State University, 1998; M.S., Oklahoma State University, 2000; Ph.D., Texas Tech University, 2006

**Hefley, Earl, Lecturer of Music,  
College of Fine Arts and Design – 2014**

B.S., Oklahoma City University 1964, M.M. Central State University 1973

**Hefner, Larry, Emeritus Professor of Design,  
College of Fine Arts and Design - 1991**

B.F.A., University of Oklahoma, 1971; M.F.A., University of Oklahoma, 1973

**Heit, Siegfried E., Emeritus Professor of Humanities and  
Philosophy,**

**College of Liberal Arts - 1990**

B.S., University of Wisconsin, 1963; M.A., University of North Dakota, Eberhard-Karls University (Tuebingen, FRG), 1969; Ph.D., Florida State University, 1975

**Helberg, Donald, Emeritus Professor of Psychology and Per-  
sonnel Service,**

**College of Education and Professional Studies- 1969**

B.S., University of Wisconsin- Platte Ville, 1955; M.S., University of Wisconsin- Madison, 1963; Ed.D., Colorado State University, 1969

**Hellack, Jenna J., Emeritus Professor of Biology,  
College of Mathematics and Science - 1977**

B.S., East Central Oklahoma State University, 1968; M.S., Oklahoma State University, 1969; Ph.D., University of Oklahoma, 1975

**Henderson, Mary, Emeritus Professor of Curriculum and  
Instruction,**

**College of Education and Professional Studies- 1971**

B.A., Washington State University, 1959; M.A., University of Denver, 1971; Ph.D., University of Oklahoma, 1974

**Henderson, Melinda, Emeritus Professor of Nursing,  
College of Mathematics and Science- 1995**

B.S., University of Central Oklahoma, 1975; M.Ed., University of Arkansas, 1981; Ed.D., University of Arkansas, 1989; M.S., University of Oklahoma, 1998

**Henderson, Upton, Emeritus Professor of Economics,  
College of Business- 1971**

B.S., Humboldt State University, 1958; M.S., Washington State University, 1960; Ph.D., University of Missouri- Columbia, 1965

**Hendrix, Ryan, Lecturer at the Academy of Contemporary  
Music,**

**College of Fine Arts and Design – 2017**

B.S., Oklahoma State University, 2000; M.A., Oklahoma State University, 2006

**Hendryx, Emily, Assistant Professor of Mathematics and  
Statistics,**

**College of Mathematics and Science – 2018**

B.S., Angelo State University, 2012; M.S., Rice University, 2015; Ph.D., Rice University, 2018

**Henthorn, Barbara, Emeritus Professor of Nursing,  
College of Mathematics and Science- 1969**

B.S., University of Oklahoma, 1955; M.P.H., University of Oklahoma, 1969; D.P.H., University of Oklahoma, 1975

**Hepner, Michelle, Chairperson/Professor of Information Sys-  
tems and Operations Management,**

**College of Business – 2007**

B.S., Oklahoma State University, 1985; M.S., University of Texas at Arlington; Ph.D., University of Tulsa, 2007

**Herron, Eddward, Associate Professor of Accounting  
College of Business - 2002**

B.A., Southern Illinois University; B.S., Florida Southern College; M.S.Ed., Southern Illinois University; M.Acc., Southern Illinois University; Ph.D., Oklahoma State University, 2012

**Heugatter, Emily B., Professor of Theatre Arts,  
College of Fine Arts and Design – 2014**

B.F.A., University of Utah, 2003; M.F.A., DePaul University, 2006

**Hickman, William, H., Emeritus Professor of Mass Commu-  
nication,**

**College of Liberal Arts - 1997**

B.A., Oklahoma Baptist University, 1971; M.L.A., Texas Christian University, 1976; J.D. Oklahoma City University School of Law, 1985

**Hicks, Chris, Music Production Program Director/Lecturer  
Academy of Contemporary Music**

**College of Fine Arts and Design -- 2009**

Certified Avid Pro Tools Instructor, 2014

**Higa, Keith, Professor of Curriculum and Instruction  
College of Education and Professional Studies – 2009**

B.S., University of Central Oklahoma, 1996; M.Ed., University of Central Oklahoma, 1999; Ph.D., Oklahoma State University, 2009

**Hight, Joe, Artist in Residence,  
College of Liberal Arts – 2016**

B.A., Central State University, 1980

**Hill, Carrie, Assistant Chair/Instructor of Theatre Arts,  
College of Fine Arts and Design – 2013**

B.A., University of Central Oklahoma 1996; M.Ed., University of Central Oklahoma, 2006

**Hill, Desiree, Assistant Professor of Mass Communications  
College of Liberal Arts – 2011**

B.A., University of Oklahoma, 1985; M.A., University of North Texas, 2010 Ph.D., University of Oklahoma, 2018

**Hitz, John , Associate Professor of English  
College of Liberal Arts – 2012**

B.A., Indiana University, 1988; M.A., University of Washington, 1990; M.S. Georgia State University, 1998; Ph.D., Purdue University, 2012

**Hochenauer, Annie, Emeritus Professor of English,  
College of Liberal Arts - 1993**

B.A., University of Missouri, Kansas City, 1981; M.A., University of Central Oklahoma, 1985; Ph.D., Oklahoma State University, 1991

**Hocking, Jacque, Lecturer of Mass Communication****College of Liberal Arts – 2014**

B.M. Friends University, 1976; M.A. SW Baptist Theological Seminary, 1988; M.M. Oklahoma City University, 1993

**Hoefler, Eric, Assistant Professor of Art, Ceramics****College of Fine Arts and Design – 2017**

B.F.A., Syracuse University, 1999; M.F.A., Southern Illinois University, 2007

**Holbrook, Ryan, Lecturer of Mathematics & Statistics,****College of Mathematics and Science – 2014**

B.A., University of Oklahoma, 2004; M.A., University of Oklahoma, 2007

**Hollrah, Matthew W., Professor of English,****College of Liberal Arts – 2007**

B.A., Oklahoma State University, 1995; M.F.A., Western Michigan University, 2000; Ph.D., University of Kansas, 2005

**Holmes, Tawni, Professor of Human****Environmental Sciences,****College of Education and Professional Studies - 2004**

B.S., Oklahoma State University, 1994; M.S., Oklahoma State University, 1996; Ph.D., Oklahoma State University, 2001

**Holt, Anne, Assistant Professor of Humanities & Philosophy,****College of Liberal Arts - 2018**

B.A., University of Virginia, 2006; M.A., Columbia University, 2008; M.Phil., Columbia University, 2010; Ph.D., Columbia University, 2014

**Holt, Dawn E., Lecturer of Computer Science,****College of Mathematics and Science – 2001**

B.S.Ed., University of Central Oklahoma, 1971; B.S., University of Central Oklahoma, 1980; M.Ed., University of Central Oklahoma, 1972; M.S., University of Central Oklahoma, 1986; M.B.A., Oklahoma City University, 1992

**Holt, Paul, Associate Professor of Accounting****College of Business - 2017**

B.A., University of Kansas; MBA, Oklahoma City University; Ph.D., Oklahoma State University, 1992

**Homsey, Dini, Director of Graduate Programs, Associate****Professor of Business Communication****College of Business – 2012**

B.A., Boston College, 2004; M.A., University of Central Oklahoma, 2005; Ph.D., University of Oklahoma, 2013

**Honea, Ted, Professor of Music,****College of Fine Arts and Design – 2003**

B.M., University of Central Oklahoma, 1974; M.A., University of Rochester, 1980; Ph.D., State University of New York at Buffalo, 1991

**Hopkins, Britney J., Professor of Mathematics and Statistics,****College of Mathematics and Science – 2009**

B.S., University of Arkansas at Little Rock, 2004; M.S., University of Arkansas at Little Rock, 2006; Ph.D., Baylor University, 2009

**Hora, Bambi A., Chairperson and Professor of Accounting,****College of Business - 1990**

B.S., Oklahoma State University, 1981; Master of Accounting Science, Northern Illinois University, 1983; J.D., University of Oklahoma School of Law, 1998; Certified Public Accountant

**Horton, Amanda, Professor of Design,****College of Fine Arts and Design - 2008**

B.F.A., Oklahoma State University, 2003; M.F.A., University of Central Oklahoma, 2007

**Hossan, Mohammad R., Associate Professor of Engineering and Physics,****Department of Mathematics and Science - 2013**

B.S., Bangladesh University of Engineering and Technology, 2002; M.S., South Dakota State University, 2008; M.S., South Dakota State University, 2009; Ph.D., Washington State University, 2013

**Howard, Gary J., Emeritus Assistant Professor of Kinesiology and Health Studies,****College of Education and Professional Studies - 1968**

B.S., University of Arkansas, 1965; M.T., University of Central Oklahoma, 1967

**Howell, Ron, Emeritus Professor of Music,****College of Arts Media, and Design- 1988**

B.M. Oklahoma City University, 1963; M.M.Ed. University of Oklahoma, 1968; D.M. Ed. University of Oklahoma, 1976

**Hsu, Glenn, Professor of Economics****College of Business, 2010**

B.S. National Chung-Hsing University, 1997; M.S., National Taiwan University, 1999; Ph.D., Texas A&M University, 2007

**Huber, Kate, Associate Professor of English****College of Liberal Arts, 2014**

B.A. Pennsylvania State University, 2005; M.A. University of Delaware, 2008; Ph.D. Temple University, 2013

**Hughes, Charles A., Chairperson/Professor of Engineering and Physics,****College of Mathematics and Science - 1993**

B.S., Michigan Technological University, 1981; M.S., University of Georgia, 1985; Ph.D., University of Georgia, 1988

**Humphreys, Caroline, Instructor of Mass Communication,****College of Liberal Arts – 2019**

B.A., Occidental College, 1991; M.B.A., Oklahoma Christian University, 2017

**Huneke, Erik, Assistant Professor of History and Geography,****College of Liberal Arts – 2016**

B.A., Swarthmore College; 1997; Ph.D., University of Michigan, 2013

**Hunter, Gwinne, Emeritus Assistant Professor English,****College of Liberal Arts- 1967**

B.A., University of Oklahoma, 1958; M.A., University of Oklahoma, 1965

**Hurst, Sylvia, Associate Professor of the Donna Nigh Department of Advanced Professional and Special Services, College of Education and Professional Studies, 2012**  
B.S. Ed., Oklahoma Christian University, 1977; M.Ed., University of Central Oklahoma, 1983; Ph.D., University of Central Oklahoma, 2007

**Hutchinson, John W., Emeritus Professor of Accounting College of Business, 1955**  
B.S. Educ, University of Oklahoma, 1950; M.S. Educ., University of Oklahoma, 1955; Ed. D., Oklahoma State University, 1971

## I

**Ice, Randal, Professor of Finance, College of Business - 1984**  
B.B.A., University of Oklahoma, 1980; M.B.A., University of Michigan, 1982; Ed.D. Oklahoma State University, 1997

**Irving, Lewis, Emeritus Professor of Sociology and Criminal Justice, College of Liberal Arts- 1969**  
B.S., Oklahoma State University, 1965; M.S., Oklahoma State University, 1966; Ph.D., University of Oklahoma, 1970

## J

**Jacobson-Peters, Amy, Assistant Professor of Design, College of Fine Arts and Design – 2005**  
B.A.; William Woods College, 1989; M.S., University of Central Oklahoma, 1995; M.F.A., Academic of Art University, 2017

**Jackson, Diane H., Emeritus Professor of Educational Sciences, Foundations, & Research, College of Education and Professional Studies - 1998**  
B.S., University of South Alabama, 1976; M.L.S., University of Alabama, 1981; Ph.D., University of Oklahoma, 1997

**Jackson, Victoria, Associate Professor of Biology, College of Mathematics and Science – 2016**  
B.S., Texas A&M University, 1992, M.S., Fort Hays State University, 1996, Ph.D., University of North Texas, 2002

**James, Regenia C., Professor of Educational Sciences, Foundations, & Research, College of Education and Professional Studies – 2008**  
B.S., Oklahoma State University, 1981; M.A., Southwestern Baptist Theological Seminary, 1985; M.S., University of Central Oklahoma, 1991; Ph.D, Oklahoma State University, 2000

**James, Wendy, Lecturer of Mathematics and Statistics, College of Mathematics and Science – 2011**  
B.B.S., Hardin Simmons University, 1999; M.S., Oklahoma State University; 2006; Ph.D., Oklahoma State University, 2013

**Jassemnejad, Bahaeddin, Emeritus Professor of Engineering and Physics, College of Mathematics and Science - 1988**  
B.S. University of Central Oklahoma, 1981; M.S., University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 1987

**Jenkins, Michael, Assistant Professor of Criminal Justice College of Liberal Arts – 2015**  
B.S., Mid-American-Christian University, 2003; M.A., University of Central Oklahoma, 2005

**Jennings, Sandra, Emeritus Associate Professor of Management, College of Business- 1988**  
B.A., Missouri Southern State College, 1969; M.P.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1985

**Jeyaraj, Tephillah, Associate Professor of Psychology, College of Education and Professional Studies – 2011**  
B.A., Lady Doak College, 2001; M.S., University of Mysore, 2003; Ph.D., University of Georgia, 2011

**Jezercak, Michael W., Professor of Chemistry, College of Mathematics and Science - 1988**  
B.S., University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 1989

**Jiang, Yuhao, Professor of Engineering and Physics, College of Mathematics and Science – 2006**  
B.S., Shanghai Jiaotong University, China, 1993; M.S., Shanghai Jiaotong University, China, 2000; Ph.D., Case Western Reserve University, 2006

**Jimison, Lorraine, Emeritus Professor of Curriculum and Instruction, College of Education and Professional Studies - 1991**  
B.A., University of London, Institute of Education, 1970; M.S., Oklahoma State University, 1984; Ed.D., Oklahoma State University, 1990

**Jog, Chintamani – Associate Professor in Economics College of Business, 2014**  
B.A., University of Mumbai, 2002; M.A., Gokhale Institute of Politics and Economics, 2004; Ph.D., University of Oklahoma, 2012

**Johnson, Amy, Director/Professor of Design, College of Fine Arts and Design – 2005**  
B.F.A., Iowa State University, 1994; M.F.A., The School of the Art Institute of Chicago, 1999

**Johnson, Arnell, Emeritus Professor of Finance, College of Business- 1980**  
B.S., Arkansas College, 1967; M.B.A, Washington University, 1969; Ph.D., University of Oklahoma, 1988

**Johnson, Joseph T., Emeritus Professor of Economics, College of Business - 1992**  
B.A., University of Michigan, 1968; MTS, Harvard University, 1971; M.S., Michigan State University, 1973; Ph.D., University of Chicago, 1980

**Johnson, Michelle, Assistant Professor of Adult Education and Safety Sciences College of Education and Professional Studies- 2017**  
B.S., Texas A&M University, 2007; M.S. Texas A&M University, 2010; Ph.D., Texas A&M University, 2017



**Johnson, Sherri, Professor of Mass Communication,  
College of Liberal Arts - 1993**

B.A. University of Arkansas, 1986; M.A., University of Oklahoma, 1989; Ed.D., Oklahoma State University, 1993

**Johnson, Wanda, Emeritus Associate Professor of Advanced  
Professional Services,  
College of Education and Professional Studies- 1988**

B.M.Ed., University of Central Oklahoma, 1970, M.Ed., University of Central Oklahoma, 1975; Ph.D., Oklahoma State University, 1989

**Johnson, William A., Emeritus Professor of Sociology,  
College of Liberal Arts - 1971**

B.A., Northeastern Oklahoma State University, 1967; M.S., Kansas State College of Pittsburg, 1968; Ph.D., Oklahoma State University, 1971

**Jones-Porter, Freeta, Emeritus Professor of Kinesiology and  
Health Studies,**

**College of Education and Professional Studies - 1988**

B.S., University of Oklahoma, 1976; M.Ed., University of Central Oklahoma, 1983; Ed.D., Oklahoma State University, 1997

**Jones, Matt, Assistant Professor of Criminal Justice,  
College of Liberal Arts – 2016**

B.A., University of Arkansas, 2003; M.S., Drury University, 2008; Ph.D., University of North Dakota, 2016

**Jones, Randall J., Emeritus Professor of Political Science,  
College of Liberal Arts - 1973**

B.A., Oklahoma State University, 1962; M.A., Oklahoma State University, 1966; Ph.D., University of Texas at Austin, 1974

**Jones, Russell, Emeritus Professor of Marketing,  
College of Business - 1988**

B.S., Oklahoma State University, 1955; M.S.B.A., Boston University, 1977; Ph.D., Oklahoma State University, 1992

**Jourdan, Thomas H., Professor, Forensic Science, Forensic  
Science Institute and Professor of Chemistry,  
College of Mathematics and Science – 2007**

B.A., University of California at Riverside, 1974; B.S., University of California at Riverside, 1974; M.S., University of California at Riverside, 1975; M.B.A., University of California at Los Angeles, 1979; M.S., University of California at Irvine, 1984; Ph.D., University of California at Irvine, 1986

**Jung, Byung, Emeritus Professor of History and Geography,  
College of Liberal Arts- 1981**

BLAW, Won Kwang University, Korea, 1971; MRCP, University of Oklahoma, 1977; Ph.D., University of Oklahoma, 1984

**Jung, Minje, Emeritus Professor of Finance,  
College of Business - 1992**

B.S., Seoul National University, Korea, 1975; M.B.A., Seoul National University, Korea, 1983; Ph.D., Florida State University, 1989

**Kaiser, Bob, Instructor of Marketing  
College of Business - 2009**

BBA, Central State University, 1972; MBA Central State University, 2005

**Kalaw, Karel, Assistant Professor of Sociology, Gerontology  
and Substance Abuse Studies,  
College of Liberal Arts – 2016**

B.A., University of Philippines Los Banos, 1998; M.A., University of North Carolina at Charlotte, 2010; Pd.D., Miami University, 2015

**Kambour, Tina, Lecturer of Dance,  
College of Fine Arts and Design – 2002**

B.A., Florida International University, 1978; M.A. Columbia University, 1989

**Karber, Kristin A., Professor of Mathematics and Statistics,  
College of Mathematics and Science – 2005**

B.S., Missouri Southern State University, 1999; Ph.D., University of Arkansas, 2005

**Kearns, Donna J., Emeritus Professor of Psychology,  
College of Education and Professional Studies - 1992**

B.Ed., University of Hawaii, 1977; M.Ed., University of Hawaii, 1979; Ed.D., University of Missouri-Columbia, 1992

**Kearns, Gayle A., Emeritus Professor of Adult Education and  
Safety Sciences,**

**College of Education and Professional Studies - 2005**

B.S., University of Oklahoma, 1973; M.S., University of Oklahoma, 1975; Ed.D., Oklahoma State University, 1988

**Kerr, Peggy Alexander, Emeritus Professor of Psychology,  
College of Education and Professional Studies - 1984**

B.A., University of Central Oklahoma, 1962; M.Ed., University of Central Oklahoma, 1976; Ph.D., Oklahoma State University, 1989

**Khan, Sharier Azim, Assistant Professor of Finance  
College of Business, 2020**

B.B.A., University of Dhaka, Bangladesh; Ph.D., Texas Tech University, 2019

**Khandaker, Morshed, Professor of Engineering and Physics,  
College of Mathematics and Science – 2008**

B.S., Bangladesh University of Engineering and Technology, 1999; M.S., Texas Tech University, 2002; Ph.D., Texas Tech University, 2007

**Kickham, Kenneth, Chairperson/Professor of Political Science,  
College of Liberal Arts – 2005**

B.S., Oklahoma State University, 1992; M.P.A., University of Oklahoma, 1994; Ph.D., University of Oklahoma, 2000

**Kidwell, Jeffrey, Assistant Director of Jazz Studies/Instrumental  
Music Education Coordinator/Trombone Instructor,  
College of Fine Arts and Design- 2006**

B.M.E., Central State University, 1986; M.M., University of Oklahoma, 1993

**Killian, James, Professor of Sociology, Gerontology, and Substance Abuse Studies,**

**College of Liberal Arts – 2008,**

B.S., Central State University, 1986; D.O., Oklahoma State University of Osteopathic Medicine, 1992

**King, Chad B., Associate Professor of Biology,**

**College of Mathematics and Science - 2013**

B.S., Wayne State College, 1994; M.A., University of South Dakota, 1996; Ph.D., University of Missouri-Columbia, 2013

**King, John, Emeritus Professor of Physics and Engineering, College of Mathematics and Science- 1968**

B.S., University of Central Oklahoma, 1961; Ph.D., Oklahoma State University, 1966

**Kirby, Paul, Emeritus Assistant Professor of Engineering and Physics,**

**College of Mathematics and Science- 1962**

B.S., University of Arizona, 1958; M.S., University of Arizona, 1962

**Klages, James L., Professor of Music,**

**College of Fine Arts and Design - 2001**

B.M., State University of New York at Fredonia, 1978; M.M., Indiana University, 1982; D.M., Indiana University, 2003

**Kleman, Kole, Emeritus Professor of Mass Communication, College of Liberal Arts - 1996**

B.S., Southern Illinois University, 1980; M.S., Southern Illinois University, 1983; Ph.D., Ohio University, 1995

**Kness, Darlene M., Emeritus Professor of Human Environmental Sciences,**

**College of Education and Professional Studies - 1982**

B.S., Carnegie-Mellon University, 1970; M.S., Pennsylvania State University, 1971; Ph.D., Pennsylvania State University, 1973

**Knickerbocker, Petronella A., Emeritus Assistant Professor of Nursing, College of Mathematics and Science - 1993**

B.S.N., Alverno College, 1968; M.S., Russell Sage College, 1978

**Knight, Angela M., Associate Professor of Funeral Service, College of Mathematics and Science – 2007**

B.A., University of Central Oklahoma, 1995; J.D., Oklahoma City University, 2000

**Knight, Bettie Jo, Emeritus Professor of English, College of Liberal Arts- 1992**

B.S. Oklahoma State University, 1974; M.A., Oklahoma State University, 1979; Ph.D. Oklahoma State University, 1983

**Knotts, Valerie, Emeritus Professor of Human Environmental Sciences,**

**College of Education and Professional Studies- 1988**

B.S., University of Alabama, 1953; M.Ed., University of Houston, 1970; Ed.D., University of Houston, 1975

**Kotturi, Hari S.B., Professor of Biology, College of Mathematics and Science – 2009**

B.S., Osmania University, India, 1999; M.S., Swami Ramanand Teerth Marathwa University, India, 2001; Ph.D., Clemson University, 2009

**Kremm, Diane, Emeritus Professor of History and Geography, College of Liberal Arts- 1977**

B.A., Winthrop College, 1969; M.A., Clemson University, 1971; Ph.D. Kent State University, 1976

**Krishnan, V. Sivarama, Emeritus Professor of Finance, College of Business – 2007**

B.S, University of Kerala, India, 1968; Ph.D, Texas Tech University, 1988

**Kuleshov, Valery, Artist-in-Residence, College of Fine Arts and Design - 1999**

Masters, Russian Gnessin's Academy of Music, 1997; Doctorate, State Jewish Academy, 1999

**Kuzminski, Pamela, Emeritus Professor of Curriculum and Instruction,**

**College of Education and Professional Studies - 1994**

B.S., University of Oklahoma, 1973; M.Ed., North Texas State University, 1980; Ph.D., North Texas State University, 1984

**Kyle, Sarah, Professor of Humanities and Philosophy, College of Liberal Arts – 2010**

B.A., University of Western Ontario, 2000; M.A., Queen's University, 2002; Ph.D. Emory, 2010

## L

**LaGrow, Patricia A., Emeritus Associate Vice President for Academic Affairs/Professor of Nursing,**

**College of Mathematics and Science - 1982**

B.S., University of Central Oklahoma, 1976; M.S., University of Oklahoma, 1979; Ph.D., Texas Woman's University, 1993

**Lacy, Robin H., Chairperson/Professor of Adult Education and Safety Sciences,**

**College of Education and Professional Studies - 1999**

B.S., Oklahoma State University, 1985; M.S., Oklahoma State University, 1998; Ph.D., Oklahoma State University, 2011

**Lacher, Katrina, Chairperson/Associate Professor of History and Geography**

**College of Liberal Arts – 2011**

B.A., University of the South, 1998; M.A., Boston College, 2003; Ph.D., University of Oklahoma, 2011

**Lack, Caleb, Professor of Psychology**

**College of Education and Professional Studies -2009**

BS, Oklahoma State University, 2001; MS, Oklahoma State University, 2003; Ph.D., Oklahoma State University, 2006

**Ladwig, Samuel, Associate Professor of Design, College of Fine Arts and Design- 2014**

B.F.A., University of Central Oklahoma, 2010; M.F.A. Indiana University, 2014

**Lamb, Brian, Director/Professor of Music, College of Fine Arts and Design, 2001**

B.M.E., Baylor University, 1986; M.M., University of Notre Dame, 1988; D.M.A., University of North Texas, 2001

**Lambert, Abbie, Assistant Professor of Management  
College of Business – 2019**

B.B.A., University of Central Oklahoma, 2006; MBA, Oklahoma Christian University, 2009; Ph.D., University of Texas at Tyler, 2016

**Lambeth, Jill, Professor of Mass Communication,  
College of Liberal Arts – 2008**

B.A., Oklahoma City University, 1998; M.S. Southern Nazarene University, 2007

**Langley, DeWade, Professor of Criminal Justice  
College of Liberal Arts – 2010**

B.S., Northwestern Oklahoma State University, 1977; M.A. Oklahoma State University, 2004; Ph.D. Oklahoma State University, 2007

**Lane-Harvard, M. Elizabeth, Associate Professor of Mathematics and Statistics**

**College of Mathematics and Science – 2014**

B.S., South Dakota State University, 2007; M.S., South Dakota State University, 2009; Ph.D., Colorado State University, 2014

**Larson, Kenneth, Emeritus Associate Professor of Human Environmental Sciences,**

**College of Education and Professional Studies- 1968**

B.Arch., University of Illinois, 1960; M.S., Oklahoma State University, 1986; Ph.D., Texas A&M University, 1994

**Lashley, Judith, Assistant Professor of Curriculum and Instruction**

**College of Education and Professional Studies- 2018**

B.S., Oklahoma Christian University, 1976; M.Ed., Oklahoma City University, 1990; Ph.D., University of Oklahoma, 2013

**Laubach, Leann L., Associate Professor of Nursing,  
College of Mathematics and Science – 2005**

B.S.N., University of Central Oklahoma, 1987; M.S., Southern Nazarene University, 2005; Ph.D., Oklahoma City University, 2015

**Laverty, Sean M. , Associate Professor of Mathematics and Statistics,**

**College of Mathematics and Science – 2012**

B.S., Millersville University, 2005; M.S., University of Utah, 2007; Ph.D., University of Utah, 2011

**Law, Stephen C., Emeritus Professor of Humanities and Philosophy,**

**College of Liberal Arts - 1987**

B.A., Florida State University, 1978; M.A., Florida State University, 1980; Ph.D., Florida State University, 1986

**Lawrence, Samuel G., Professor of Mass Communication,  
College of Liberal Arts – 2006**

B.A., University of Central Florida, 1980, M.A., Auburn University, 1982, Ph.D. University of Texas at Austin, 1988

**Lee, Oksun, Associate Professor of Art-Art Education,  
College of Fine Arts and Design – 2014**

B.A., Gyeongin National University of Education, Incheon-Korea, 1993; M.Ed., Korea National University of Education, 1999; Ph.D., Florida State University, 2012

**LeGrande, Stefanie, Assistant Professor of Nursing,  
College of Mathematics and Science-2018**

B.S., University of Central Oklahoma, 1999; B.S., Southern Nazarene University, 2006; M.S., Oklahoma Baptist University, 2011; Ph.D., Walden University, 2016

**Lehman, Paul, Emeritus Professor of English,  
College of Liberal Arts- 1971**

B.A., University of Central Oklahoma, 1967; M.Ed., University of Central Oklahoma, 1971; Ph.D. Lehigh University, 1976

**Lemley, Evan, Assistant Dean/Professor of Engineering and Physics,**

**College of Mathematics and Science - 1998**

B.A., Hendrix College, 1989; M.S., University of Arkansas, 1991; Ph.D., University of Arkansas, 1996

**Leonard, Sandra, Emeritus Assistant Professor of Mathematics and Statistics,**

**College of Mathematics and Science- 1967**

B.S., University of Oklahoma, 1964; M.S. University of Oklahoma, 1967

**Lewis, Gladys S., Emeritus Professor of English,  
College of Liberal Arts - 1991**

B.A., Texas Christian University, 1956; M.A., University of Central Oklahoma, 1985; Ph.D., Oklahoma State University, 1991

**Ley, Nicholas**

**Music Business Program Director/Lecturer, Academy of Contemporary Music**

**College of Fine Arts and Design**

B.S., Oklahoma State University, 2005

**Li, Xiao-bing, Professor of History and Geography,  
College of Liberal Arts - 1993**

B.A., Nankai University, China, 1982; M.A., Carnegie Mellon University, 1984; Ph.D., Carnegie Mellon University, 1991

**Liew, Chung Ja, Emeritus Professor of Economics,  
College of Business- 1984**

B.S., University of California- Berkley, 1965; M.A. University of Oklahoma, 1973; Ph.D. University of Oklahoma, 1977

**Limke-McLean, Alicia, Professor, Psychology,  
College of Education and Professional Studies – 2014**

B.S., Southern Nazarene University, 2000, M.S., University of Oklahoma, 2002, Ph.D., University of Oklahoma, 2005

**Lindblade-Evans, Dawn Marie, Associate Professor of Music  
College of Fine Arts and Design-2011**

B.M.E., Eastern Michigan University, 2002; M.M., University of North Texas, 2004; D.M.A., Michigan State University, 2011

**Litzau, Michael, Associate Professor of Art, Drawing and Printmaking**

**College of Fine Arts and Design-2012**

B.F.A., Columbus College of Art and Design, 2004; M.F.A., The Ohio State University, 2006

## M

**Lohmann, Lisa, Professor of Educational Science, Foundations and Research,**

**College of Education and Professional Studies – 2012**

B.A., Northwestern Oklahoma State University, 1984; M.Ed., Northwestern Oklahoma State University, 1989; Ed.D., Oklahoma State University, 2004

**Lopez, Regina, Assistant Professor of Curriculum and Instruction,**

**College of Education and Professional Studies-2005**

B.A. University of Central Oklahoma, 1986; M.Ed., University of Central Oklahoma, 1996; Ph.D., University of Oklahoma, 2016

**Lord, Wayne D., Wildlife Forensics Program Administrator, Forensic Science, Forensic Science Institute and Professor of Biology,**

**College of Mathematics and Science – 2008**

B.S., Eastern University, 1976; M.S., University of Delaware, 1978; Ph.D., University of New Hampshire, 1982

**Loucks, Lauren, Assistant Professor of Kinesiology and Health Studies**

**College of Education and Professional Studies-2016**

B.S., Central Missouri State University, 2001; M.S., Emporia State University, 2004; Ed.D., North Central University, 2017

**Loughlin, Patti, Professor of History and Geography,**

**College of Liberal Arts – 2001**

B.A., Pepperdine University, 1993; M.A., Pepperdine University, 1996; Ph.D., Oklahoma State University, 2000

**Lucas, Carol A., Professor of Mathematics and Statistics,**

**College of Mathematics and Science - 2000**

B.S.Ed., Southwest Missouri State University, 1977; M.A., Southwest Missouri State University, 1979; Ph.D., University of Kansas, 1999

**Lucas, Larry A., Emeritus Associate Professor of Mathematics and Statistics,**

**College of Mathematics and Science - 2001**

B.S., Southwest Missouri State University, 1975; M.A., Southwest Missouri State University, 1979; Ph.D., University of Missouri, 1987

**Ludlum, Marvin, Professor of Legal Studies**

**College of Business – 2008**

B.A., University of Oklahoma, 1986; J.D., University of Oklahoma, 1989; M.A., University of Oklahoma, 1996; M.A. University of Oklahoma, 1995

**Luxenburg, Joan, Emeritus Professor of Sociology, Gerontology, and Substance Abuse Studies,**

**College of Liberal Arts - 1977**

B.A., Queens College, City University of New York, 1969; M.A., New York University, 1971; M.A., Columbia University, 1975; Ed.D., Columbia University Teachers College, 1978; M.S.W., University of Oklahoma, 1986

**Lynch, Anne, Emeritus Assistant Professor of History and Geography,**

**College of Liberal Arts- 1967**

B.S., University of Oklahoma, 1961; M.A. University of Oklahoma, 1967

**Maass, Jaclyn, Assistant Professor of Psychology**

**College of Education and Professional Studies-2017**

B.A., University of Tampa, 2010; M.S., University of Memphis, 2014; Ph.D., University of Memphis, 2017

**Mabry, John, Professor Criminal Justice**

**Forensic Science Institute - 2009**

B.S., University of Tennessee, Knoxville, 1981; J.D., University of Alabama, 1984

**Macey, J. David, Jr., Chairperson/Professor of English,**

**College of Liberal Arts - 2004**

A.B., Yale University, 1988; A.M., Brown University, 1994; M.A., Vanderbilt University, 1995; Ph.D., Vanderbilt University, 1998

**Machell, James, Professor of the Donna Nigh Department of Advanced Professional and Special Services,**

**College of Education and Professional Studies – 2005**

B.A., Oklahoma City University, 1974; M.Ed., University of Central Oklahoma, 1984; Ph.D., University of Oklahoma, 1991

**Maddox, Eleanor, Emeritus Professor of Advanced Professional and Special Services,**

**College of Education and Professional Studies- 1988**

B.S., Pittsburg State University, 1959; M.Ed., University of Missouri-Columbia, 1963; Ph.D., Arizona State University, 1977

**Maddy, Mark D., Professor of Educational Sciences, Foundations, and Research,**

**College of Education and Professional Studies - 2009**

B.S., Phillips University, 1985; M.Ed., University of Texas-Brownsville, 1999; Ed.D., Fielding Graduate University, 2007

**Magrill, Samuel Morse, Professor of Music,**

**College of Fine Arts and Design - 1988**

B.M., Oberlin College, 1975; M.M., University of Illinois, 1976; D.M.A., University of Illinois, 1983

**Maier, Elizabeth, Director/Associate Professor of Criminal Justice,**

**College of Liberal Arts – 2011**

B.A., The George Washington University, 1999; M.A., Texas A & M University, 2002; Ph.D., University of Nebraska, 2006

**Maisch, John, Assistant Professor of Legal Studies**

**College of Business – 2012**

B.S.B.A., Midland Lutheran College, 1992; J.D., University of Tulsa College of Law, 1995

**Magnusson, Andrew, Associate Professor of History and Geography**

**College of Liberal Arts – 2015**

B.A., Brigham Young University, 2007; M.A. University of California – Santa Barbara, 2009; Ph.D., University of California – Santa Barbara, 2014

**Manna, Karen, Assistant Professor of Modern Languages, Literatures and Cultural Studies,**

**College of Liberal Arts – 2015**

B.S., Pennsylvania State University, 1998; M.A., Bryn Mawr College, 2008; Pd.D., John Hopkins University, 2013

**Manral, Lalit, Professor of Management****College of Business – 2008**

B.Tech, National Institute of Technology, India, 1993; MIB, Indian Institute of Foreign Trade, India, 1996; MPhil, Columbia University, 2003; Ph.D., Columbia University, 2006

**Manuel, Jennifer, Lecturer of Mass Communication,****College of Liberal Arts -**

B.S., Oklahoma State University, 1998; M.A., Oklahoma State University, 2001

**Marotte, Dorothy, Emeritus Professor of Health, Physical Education, and Recreation,****College of Education and Professional Studies- 1975**

M.S., Springfield College, 1958; M.S.Ed., George Peabody College for Teachers, 1974; Ed.D., George Peabody College of Teachers, 1976

**Marshall, Carolyn, Emeritus Professor of Business Communication,****College of Business- 1986**

B.S., University of Oklahoma, 1953; M.B.E, University of Oklahoma, 1970; Ph.D., University of Oklahoma, 1984

**Martin, Kimberly K., Professor of Kinesiology and Health Studies,****College of Education and Professional Studies – 2006**

B.S., University of Central Oklahoma, 1988; M.S., University of Central Oklahoma, 1990; Ph.D., Oklahoma State University, 2005

**Martin, Sandra, Lecturer of Mass Communication,****College of Liberal Arts – 2007**

B.A., Oklahoma City University, 1964; M.S., Oklahoma State University, 1968

**Martinez-Sotelo, Guillermo, Associate Professor of Modern Languages, Literatures, and Cultural Studies,****College of Liberal Arts - 2013**

B.A. Universidad de Sonora, 2006; M.A. University of Arizona, 2008; Ph.D. University of Arizona, 2013

**Massey, Jesse, Emeritus Assistant Instructor of Kinesiology and Health Studies/Athletics,****College of Education and Professional Studies- 1990**

B.S., Northwestern Oklahoma State University, 1965; M.S., Northwestern Oklahoma State University, 1971

**Mather, Robert D., Associate Dean-Jackson College of Graduate Studies/Professor of Psychology,****College of Education and Professional Studies – 2006**

B.A., Westminster College, 1998; M.A., University of Central Oklahoma, 2000; Ph.D., Texas Tech University, 2006

**Mattison, Scott, Assistant Professor of Engineering and Physics,****College of Mathematics and Science-2018**

B.S., Clemson University, 2011; Ph.D., Texas A&M University, 2016

**Maxwell, David, Chairperson/Professor of Art, Painting****College of Fine Arts and Design - 2004**

B.A., Knox College, 1994; M.A., University of Dallas, 1996; M.F.A., University of Dallas, 1999

**Maxwell, Don, Emeritus Professor of Economics,****College of Business - 1981**

B.A., University of Texas at Arlington, 1973; M.S., Baylor University, 1975; Ph.D., Oklahoma State University, 1982

**McCarthy, Joann, Emeritus Associate Professor of Advanced Professional Services,****College of Education and Professional Studies- 1995**

B.S., Southwestern Oklahoma State University, 1970; M.Ed. Southwestern Oklahoma State University, 1972; M.Ed. University of Central Oklahoma, 1987; Ed.D. Oklahoma State University, 1997

**McClendon, M. Scott, Professor of Mathematics and Statistics,****College of Mathematics and Science - 2000**

B.S., State University of New York, Brockport, 1993; M.S., Syracuse University, 1995; Ph.D., University of Louisiana, 2000

**McCoy, Mark R., Professor of Criminal Justice, Forensic Science Institute – 2005**

B.S., Western Michigan University, 1980; M.S., National University at San Diego, 1984; Ed.D., Oklahoma State University, 2000

**McCune, LaDonna, Associate Professor of Sociology and Studies Abuse Studies****College of Liberal Arts – 2012**

B.S., Central State University, 1990; M.A., University of Central Oklahoma, 1992; Ph.D., Oklahoma State University, 2005

**McDaniel, John William, Professor of Computer Science,****College of Mathematics and Science - 1985**

B.S., East Central Oklahoma State University, 1972; M.S., Oklahoma State University, 1975; Ph.D., Kansas State University, 1985

**McDown, DiAnn, Associate Professor of Curriculum and Instruction,****College of Education and Professional Studies – 2012**

B.A., Southwestern Oklahoma State University, 1991; M.Ed., Southwestern Oklahoma State University, 1997; Ed.D., Sam Houston State University, 2011

**McGill, Robert E., Emeritus Professor of Theatre Arts,****College of Fine Arts and Design - 1998**

B.A., University of Detroit, 1963; M.A., Northwestern University, 1965; Ph.D., University of Michigan, 1972

**McGrath, Karen, Emeritus Assistant Professor of Curriculum and Instruction,****College of Education and Professional Studies- 1969**

B.S., University of Central Oklahoma, 1966; M.Ed., University of Central Oklahoma, 1970

**McGuigan, Becky, Assistant Professor of Theatre Arts,****College of Fine Arts and Design-2019**

B.S., Oklahoma State University, 2002; M.S., Oklahoma State University, 2003; Fd.A., University of the Arts London College of Fashion, 2009; M.F.A., Academy of Art University, 2018

**McKaig, Michael D., Professor of the Donna Nigh Department of Advanced Professional and Special Services, College of Education and Professional Services – 2008**  
B.A., University of North Texas, 1973; M.A., University of Oklahoma Health sciences Center, 1978; Ph.D., University of Oklahoma Health Sciences Center, 1988

**McKee, Victoria, Associate Professor of Management College of Business, 2013**  
B.S., Texas Christian University, 2006; M.S., Missouri State University, 2008; Ph.D., University of North Texas, 2013

**McKibbin, Jeff, Emeritus Instructor of Kinesiology and Health Studies, College of Education and Professional Studies – 2005**  
B.S., University of Central Oklahoma, 1976; M.Ed., University of Central Oklahoma, 1978

**McKown, Ellen, Emeritus Associate Professor of Finance/Assistant Dean, College of Business- 1980**  
B.S., University of Oklahoma, 1966; M.B.Ed., University of Oklahoma, 1968; Ph.D., University of Oklahoma, 1979

**McLaughlin, Scott F., Emeritus Professor of Advanced Professional and Special Services, College of Education and Professional Studies - 1983**  
B.S., Winona State University, 1976; M.S., University of Oklahoma Health Sciences Center, 1978; Ph.D., University of Oklahoma Health Sciences Center, 1983

**Medlam, Than, Lecturer at the Academy of Contemporary Music, College of Fine Arts and Design – 2013**  
A.A., Hutchinson Community College, 1998; B.A., University of Central Oklahoma, 2012; M.A., University of Central Oklahoma, 2014

**Messick, Jennifer, Assistant Professor of Biology, College of Mathematics and Science – 2019**  
B.S., University of Oklahoma, 2010; M.A., University of Oklahoma, 2012; Ph.D., University of Oklahoma, 2017

**Metz, Neil, Associate Professor of Economics College of Business – 2012**  
B.E., Vanderbilt University, 2001; M.A., University of Colorado, 2006; Ph.D., University of Colorado, 2011

**Michalikova, Nina, Associate Professor of Sociology, Gerontology and Substance Abuse Studies College of Liberal Arts – 2013**  
A.A. Richland College, 2007; M.A. Comenius University, 2003; M.A. Texas Women's University, 2009; Ph.D. Texas Women's University, 2012

**Miedl, George, Emeritus Professor of Vocational, Adult and Higher Education, College of Education and Professional Studies- 1964**  
B.S., Oklahoma State University, 1956; M.Ed., Kent State University, 1960; Ph.D., University of Texas at Austin, 1964

**Miles-Scott, Gayle, Emeritus Assistant Professor of Accounting, College of Business- 1986**  
B.A. Spelman College, 1972; M.B.A, Atlanta University, 1977; Certified Public Accountant

**Miller, Jesse, Professor of Mass Communication, College of Liberal Arts, 2007**  
B.F.A., Rockford College, 2001; M.F.A., University of Nevada, Las Vegas, 2006

**Miller, Lisa, Emeritus Professor of Information Systems and Operations Management, College of Business - 1988**  
B.S., Southeastern Oklahoma State University, 1984; M.S., Oklahoma State University, 1986; Ed.D., Oklahoma State University, 1988

**Miller, Norma, Emeritus Assistant Professor of Visual Arts and Design, College of Liberal Arts- 1972**  
B.A., Central State University, 1969; M.Ed., Central State University, 1970

**Miller, Ronald C., Emeritus Professor of Engineering and Physics, College of Mathematics and Science - 1977**  
B.S., Trinity University, 1970; M.S., University of Missouri-Rolla, 1972; Ph.D., University of Missouri-Rolla, 1976

**Miller, Rozilyn N., Associate Dean/Professor of Mass Communication, College of Liberal Arts - 2000**  
B.A., University of Central Oklahoma, 1980; M.A., Oklahoma State University, 1990; Ph.D., University of Oklahoma, 2007

**Miller, Susan N., Professor of Human Environmental Sciences, College of Education and Professional Studies - 2007**  
B.S., Oklahoma State University, 1974; M.S., Oklahoma State University, 1993; Ed.D., Oklahoma State University, 2003

**Miller, Thomas, Emeritus Assistant Professor of Accounting, College of Business- 1983**  
B.S., University of Santa Clara, 1962; M.B.A., University of Pennsylvania, 1968; Certified Public Accountant

**Milligan, Thomas W., Professor of Mathematics and Statistics, College of Mathematics and Science – 2007**  
B.S., Brigham Young University, 1997; M.S., Brigham Young University, 1999; Ph.D., The College of William and Mary, 2004

**Mitchell, Richard, Emeritus Professor of Professional Teacher Education, College of Education and Professional Studies- 1967**  
B.A., Oklahoma City University, 1958; M.S., Oklahoma State University, 1962; Ed.D., Oklahoma State University, 1966

**Mizell, Alina, Lecturer of Criminal Justice College of Liberal Arts, 2015**  
B.A., University of Central Oklahoma, 2012; M.A., University of Central Oklahoma, 2014

**Mizell, Donald, Assistant Professor of Criminal Justice,  
College of Liberal Arts – 2008**

B.A., University of Oklahoma, 1972; M.A., California State University – Fullerton, 1976; Ph.D. (ABD), University of Maryland – College Park, 1981

**Mock, James W., Professor of Humanities and Philosophy,  
College of Liberal Arts - 1992**

B.A., LeMoyné College, 1968; M.A., Syracuse University, 1977; M.L.S., Syracuse University, 1979; M.Ph., Syracuse University, 1984; Ph.D., Syracuse University, 1988

**Moeller, Michelle, M., Chair/Associate Professor of Dance,  
College of Fine Arts and Design – 2013**

B.A., University of Central Oklahoma, 2001; M.F.A., Texas Women's University, 2005

**Mohamad, Husam, Professor of Political Science,  
College of Liberal Arts - 1999**

B.A., Birzeit University, 1985; M.A., University of Cincinnati, 1989; Ph.D., University of Cincinnati, 1994

**Moinette, Maria-Teresa, Associate Professor of Modern  
Languages,**

**Literatures, and Cultural Studies,**

College of Liberal Arts – 2003

B.A., University of Central Oklahoma, 1989; M.A., University of Oklahoma, 1997; Ph.D., University of Oklahoma, 2011

**Monfort, Mary, Emeritus Professor of Special Services,  
College of Education and Professional Studies - 1982**

B.A., Southwestern College (KS), 1967; M.Ed., University of Central Oklahoma, 1972; Ph.D., University of Oklahoma, 1982

**Montes, Luis D., Chairperson/Professor of Chemistry,  
College of Mathematics and Science - 2000**

B.A., New Mexico State University, 1990; B.S., New Mexico State University, 1990; Ph.D., University of Texas, Austin, 1996

**Montgomery, Shannon, Assistant Professor of Curriculum  
and Instruction**

**College of Education and Professional Studies- 2018**

B.A., Warren Wilson College, 2000; M.A.T., Western Carolina University, 2014; Ph.D., University of North Carolina at Charlotte, 2018.

**Mooney, Angela, Associate Professor of Curriculum and  
Instruction**

College of Education and Professional Studies- 2015

B.S. Hannibal-Lagrange University, 1992; M.A. Wheaton College, 2005; Ph.D. Pennsylvania State University, 2015

**Montoya, Brooke, Lecturer of Sociology, Gerontology and  
Substance Abuse Studies**

**College of Liberal Arts – 2015**

B.A., University of Oklahoma, 2009; M.S. Southern Nazarene University, 2011

**Moore, Orland, Emeritus Professor of Political Science,  
College of Liberal Arts- 1970**

B.A., Central State University, 1966; M.A., University of Oklahoma, 1968

**Moran, Margaret (Peggy), Assistant Professor of Music  
College of Fine Arts and Design-2012**

B.A., The University of Chicago, 1999; M.M., Indiana University, 2001, P.D., Indiana University, 2002; D.M., Indiana University, 2013

**Morishige, Teruo, Emeritus Assistant Professor of Engineering  
and Physics,**

**College of Mathematics and Science - 1961**

B.S., University of Tokyo, 1954; M.S., University of Tokyo, 1959; M.S., University of Colorado at Boulder, 1961

**Morris, Ralph E., Professor of Music,  
College of Fine Arts and Design - 1991**

B.M., Texas Christian University, 1974; M.M., Arizona State University, 1987; D.M.A., Arizona State University, 1991

**Morris, Tracy L., Professor of Mathematics and Statistics,  
College of Mathematics and Science – 2007**

B.S., Oklahoma State University, 1994; M.S., University of Central Oklahoma, 2001; Ph.D., Oklahoma State University, 2007

**Muriithi, Sammy, Assistant Professor of Management  
College of Business - 2016**

BBA, Egerton University, Kenya, 2005; MBA, Troy University, 2010; Ph.D., Louisiana Tech University, 2016

**Murphy, John A., Lecturer, Humanities and Philosophy,  
College of Liberal Arts - 2006**

B.A., University of Central Oklahoma, 1999; M.A., University of Oklahoma, 2002

**Murray, Cynthia, Professor of Mathematics and Statistics,  
College of Mathematics and Science - 1998**

B.S., Central State University, 1975 & 1977; M.P.H., University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1993

**Muse, Judith, Emeritus Professor of Accounting,  
College of Business- 1971**

B.S., Bethany Nazarene, 1960; M.B.A., Louisiana State University and A&M College, 1962; Ph.D., Louisiana and A&M College, 1964; Certified Public Accountant (CPA)

**Musgrove, Margaret W., Professor of Humanities and Philosophy,  
College of Liberal Arts - 2004**

B.A., University of Texas at Austin, 1984; M.A., University of North Carolina-Chapel Hill, 1987; Ph.D., University of North Carolina-Chapel Hill, 1991

**Mwangola, Willis, Associate Professor of Information Systems  
and Operations Management**

**College of Business, 2015**

B.S., The Pennsylvania State University, 2009; Masters of Manufacturing Management, The Pennsylvania State University, 2011; Ph.D., Georgia Southern University, 2015

**Myles-Nixon, Charolette, Emeritus Professor of the Donna  
Nigh Department of Advanced Professional and Special Services,**

**College of Education and Professional Studies - 1989**

B.S., University of Central Oklahoma, 1977; M.Ed., University of Central Oklahoma, 1979; Ph.D., Oklahoma State University, 1993

## N

**Najmi, Hossein, Assistant Professor of Information Systems and Operations Management****College of Business - 2019**

B.A., University of Kerman, Iran, 2003; MBA, Multi Media University, Malaysia, 2008; Ph.D. University of North Texas, 2019

**Nasalroad, Darrell, Emeritus Professor of Marketing,****College of Business- 1982**

B.A., University of Central Oklahoma, 1973; M.Ed., University of Central Oklahoma, 1977; M.B.A., University of Central Oklahoma, 1982; Ph.D., University of Oklahoma, 1992

**Nath, Saheli, Assistant Professor of Management****College of Business – 2019**

BS, The University of Texas at Dallas, 2012; M. Philosophy, University of Cambridge, 2013; Ph.D., Northwestern University, 2019

**Necco, Joanne, Emeritus Professor of Professional Teacher Education,****College of Education and Professional Studies- 1993**

B.S., University of Central Oklahoma, 1979; M.Ed. University of Central Oklahoma, 1985; Ph.D., Oklahoma State University, 1993

**Nelson, David A., Professor of Mass Communication,****College of Liberal Arts - 2004**

B.A., Cameron University, 1992; M.A., University of Oklahoma, 1996; Ed.D., Oklahoma State University, 2004

**Nelson, Frank W., Emeritus Professor of Adult Education and Safety Sciences,****College of Education and Professional Studies - 1987**

B.S., Oklahoma State University, 1970; M.S., Oklahoma State University, 1973; Ed.D., Oklahoma State University, 1980

**Nelson, Karl E., Professor of Music,****College of Fine Arts and Design - 2006**

B.S., University of Illinois at Urbana-Champaign, 1996; M.M., Louisiana State University, 2001; D.M.A., Louisiana State University, 2005

**Nelson, R. Mike, Assistant Dean/Chairperson/Professor of Educational Sciences, Foundations, & Research,****College of Education and Professional Studies - 2003**

B.S., Colorado State University, 1982; Ph.D., University of Oklahoma, 2003

**New, Dallas, Professor of Chemistry,****College of Mathematics and Science - 1998**

B.S. Baker University, 1988; A.M., Washington University, 1990; Ph.D., Washington University, 1994

**Nica, Mihai, Professor of Economics,****College of Business – 2007**

B.S., Polytechnic Institute, 1987; M.A., Jackson State University, 1995; Ph.D., Jackson State University, 2007

**Noel, David E., Emeritus Professor of Information Systems and Operations Management,****College of Business - 1993**

B.S., Southern Illinois University, 1972; M.B.A., Western Illinois University, 1974; M.S., Texas Tech University, 1984; Ph.D., Arizona State University, 1992

**Nollert, Hans Rudolf, Emeritus Professor of Modern Languages, Literatures, and Cultural Studies,****College of Liberal Arts - 1992**

B.A., University of Virginia, 1980; M.A., Johns Hopkins University, 1985; Ph.D., Johns Hopkins University, 1991

**Norman, Barbara, Emeritus Professor of Communication,****College of Liberal Arts- 1965**

B.A., Oklahoma State University, 1950; M.T., University of Central Oklahoma, 1964; Ph.D., University of Oklahoma, 1965

## O

**Olbert, Francis, Emeritus Assistant Professor of Mathematics and Statistics,****College of Mathematics and Science- 1961**

B.S., Oklahoma State University, 1958; M.S., University of Mississippi, 1960

**Olivier, Gwendolyn M., Emeritus Professor of Mass Communication,****College of Liberal Arts - 1988**

B.A., University of New Orleans, 1970; M.A., University of New Orleans, 1976; Ph.D., Louisiana State University, 1987

**Oller, Jeremy, Chairperson/Professor of Economics,****College of Business – 2006**

BBA, University of Central Oklahoma, 1996; J.D., University of Oklahoma, 1999; Ph.D., University of Oklahoma, 2006

**Olmstead, Justin, Associate Professor of History and Geography****College of Liberal Arts – 2014**

B.A. Washburn University, 1993; B.A. Southwestern College, 2001; M.A. Emporia State University, 2006; Ph.D. University of Sheffield, 2013

**Olson, Jacilyn, Associate Professor, Kinesiology & Health Studies,****College of Education & Professional Studies – 2012**

B.S., Fort Hays State University, 2006; M.S., Fort Hays State University, 2008; Ph.D., University of Arkansas, 2012

**Olson, Paul E., Lecturer of Biology,****College of Mathematics and Science – 2007**

B.S., University of Central Oklahoma, 1989; M.S., University of Central Oklahoma, 1993; Ph.D., University of Oklahoma, 2000

**Olson, William, Emeritus Assistant Professor of Political Science,****College of Liberal Arts- 1986**

B.A., Arizona State University, 1965; M.A., Arizona State University, 1966

**Osburn, Holly, Chairperson/Associate Professor of Management****College of Business, 2010**

B.S., Oklahoma Christian University, 1998; M.S., University of Oklahoma, 2001; Ph.D., University of Oklahoma, 2004

**Osgood, Emmet, Emeritus Professor Department of Adult Education and Safety Sciences,****College of Education and Professional Studies- 1965**

B.S., Central State University, 1962; M.T., Central State University, 1965; Ed.D., Oklahoma State University, 1977



**Osgood, Virginia, Emeritus Associate Professor of Occupational Technology Education,  
College of Education and Professional Studies- 1994**  
B.S.Ed., University of Central Oklahoma, 1989; M.Ed., University of Central Oklahoma, 1990; Ed.D., Oklahoma State University

**Overman, Elizabeth, Professor of Political Science  
College of Liberal Arts – 2010**  
B.A.; University of Colorado, 1982; M.S.S., University of Colorado, 1987; M.A., Jackson State University, 1992; Ph.D. Jackson State University, 2003; M.L.S., University of Oklahoma, 2019

**Ovrebø, Clark L., Professor of Biology,  
College of Mathematics and Science - 1988**  
B.S., Valley City State College, 1971; M.S., University of Idaho, 1973; Ph.D., University of Toronto, 1981

**Owens -DeLong, Dana, Emeritus Professor of Advanced Professional and Special Services,  
College of Education and Professional Studies - 1997**  
B.S., Northeastern Oklahoma State University, 1978; M.Ed., University of Central Oklahoma, 1995; Ed.D., Oklahoma State University, 2000

## P

**Pac, Teresa, Associate Professor of Art, Global Art and Visual Culture  
College of Fine Arts and Design- 2012**  
B.F.A., Fashion Institute of Technology, 1993; M.A. Hunter College, 1997; Ph.D., Binghamton University, 2005

**Palmer, Bob E., Emeritus Professor of Art,  
College of Fine Arts and Design - 1988**  
B.F.A., University of Oklahoma, 1973; M.F.A., East Tennessee State University, 1978; Ed.D., Oklahoma State University, 1996

**Panther, Natalie, Assistant Professor of History and Geography,  
College of Liberal Arts – 2019**  
B.A., Fort Lewis College, 2003; M.A., Oklahoma State University, 2013

**Pardo, Diana, Chairperson/Professor of Modern Languages, Literatures, and Cultural Studies,  
College of Liberal Arts - 2004**  
B.A., California State University, 1988; M.A., San Francisco State University, 1992; Ph.D., University of Oklahoma, 2003

**Park, Myung-Ah, Professor of Computer Science,  
College of Mathematics and Science – 2008**  
B.S., Chungnam National University, 1990; M.S., Chungnam National University, 1992; M.S. and Ph.D., University of Texas, 2007

**Parker, Carol, Emeritus Professor of Health, Physical Education, Recreation, and Dance,  
College of Education and Professional Studies- 1970**  
B.S., University of Tulsa, 1968; M.Ed., Northeastern Oklahoma State University, 1970; Ed.D., Oklahoma State University, 1993

**Parks, Matthew, Assistant Professor of Biology,  
College of Mathematics and Science – 2018**  
B.A., Washington University, 1994; M.S., University of Idaho, 2001; Ph.D., Oregon State University, 2011

**Parrish, Ralph W., Emeritus Associate Professor of Management,  
College of Business - 2000**  
B.B.A., Wichita State University, 1977; M.B.A., Wichita State University, 1982; Ph.D., University of Arkansas, 1994

**Pasternack, Robyn, Professor of Dance  
College of Fine Arts and Design – 2005**  
B.F.A., University of Utah – 1990; M.F.A., University of Oklahoma – 2004

**Paynter, Bradley, J., Associate Professor of Mathematics and Statistics,  
College of Mathematics and Science - 2012**  
B.S., Trevecca Nazarene University, 2003; M.S., Clemson University, 2008; Ph.D., Clemson University, 2012

**Pennington, Kimberly, Associate Professor of Educational Sciences, Foundation and Research  
College of Education and Professional Studies- 2015**  
B.S. University of Oklahoma, 1994; M.E. University of Oklahoma, 2003; Ph.D. University of Oklahoma, 2014

**Perry, Chad, Associate Professor of Mass Communication  
College of Liberal Arts – 2015**  
B.S., Kansas State University, 1977; M.F.A., Wichita State University, 1982; Ph.D., University of New Mexico, 2015

**Pessagno-Delboy, Aisa, Lecturer of Modern Languages, Literatures, and Cultural Studies,  
College of Liberal Arts – 2018**  
B.S., Southern Nazarene University, 2008; M.A., University of Oklahoma; M.Ed, 2017

**Peters, Richard, Emeritus Professor of History and Geography,  
College of Liberal Arts- 1963**  
B.A., Wichita State University, 1955; M.A., University of Oklahoma, 1961; Ph.D., University of Oklahoma, 1971

**Peters, Virginia, Emeritus Professor of Health, Physical Education, Recreation, and Dance,  
College of Education and Professional Studies- 1958**  
B.S., Central State University, 1957; M.S., University of Colorado at Boulder, 1962; Ph.D., Florida State University, 1968

**Peterson, Royce, Emeritus Assistant Professor of History and Geography,  
College of Liberal Arts- 1966**  
B.S., McMurray College, 1954; M.Ed. McMurray College, 1960

**Petete, Timothy, Assistant Dean/Professor of English,  
College of Liberal Arts – 2007**  
B.A., University of Oklahoma, 1999; M.A., University of California, Los Angeles, 2002; Ph.D., University of Oklahoma, 2011

**Pham, Linh, Assistant Professor of Economics  
College of Business – 2017**  
B.S., University of Wisconsin-La Crosse, 2011; Ph.D., University of Wisconsin-Milwaukee, 2017

**Pinkston, Gerry, Emeritus Professor of Kinesiology and Health Studies,**  
**College of Education and Professional Studies - 1975**  
 B.S., Oklahoma State University, 1971; M.Ed. University of Central Oklahoma, 1975; Ed.D. Oklahoma State University, 1982

**Plaks, Jeffrey, Emeritus Professor of History and Geography,**  
**College of Liberal Arts - 1998**  
 B.A. University of Connecticut, 1989; M.A., University of Connecticut, 1992; Ph.D., Northern Illinois University, 1998

**Plato, Sharyll, Emeritus Instructor of Accounting,**  
**College of Business - 1982**  
 B.S., Mankato State University, 1963; M.Ed., University of Virginia, 1969; M.S., Oklahoma City University, 1982

**Pollack, Sallie, Professor of Music**  
**College of Fine Arts and Design-2009**  
 B.M., Texas Christian University, 1995; M.M., University of Illinois, 1998; D.M.A., Manhattan School of Music, 2009

**Poos, Hui Cha, Lecturer of Dance**  
**College of Fine Arts and Design – 2010**  
 B.S., University of Central Oklahoma, 2008 ; M.A., University of Central Oklahoma, 2010

**Porterfiled, Caitlin, Instructor of Forensic Science and Educational Sciences, Foundation, and Research**  
**College of Education and Professional Studies and College of Mathematics and Science – 2014**  
 B.S., University of Oklahoma, 2006; M.S. Forensic Science, 2014

**Poss, Nicholas, Lecturer at Academy of Contemporary Music and Theatre Arts**  
**College of Fine Arts and Design – 2016**  
 B.M., Oklahoma City University, 2013; M.M., Oklahoma City University, 2015

**Pourbabae, Hassan, Emeritus Professor of Information Systems and Operations Management,**  
**College of Business - 1986**  
 B.S., Advanced Statistical Institute, Iran, 1974; M.A., Eastern New Mexico University, 1976; M.S., Southwestern University of Louisiana, 1979; M.A., University of Missouri-Columbia, 1981; Ph.D., University of Nebraska-Lincoln, 1987

**Powell, Tyler, Lecturer of Mathematics and Statistics**  
**College of Mathematics and Science – 2016**  
 B.S., University of Oklahoma, 2010; M.S., University of Central Oklahoma, 2014

**Powers, G. Kay, Emeritus Professor of Mathematics and Statistics,**  
**College of Mathematics and Science- 1965**  
 B.S., Southeastern Oklahoma State University, 1963; M.S., Oklahoma State University, 1965; Ph.D. Oklahoma State University, 1970

**Powers, Melissa D., Professor of Kinesiology and Health Studies,**  
**College of Education and Professional Studies - 2007**  
 B.S.E., University of Arkansas, 1998; M.S., University of Arkansas, 2001; Ph.D., University of Arkansas, 2007

**Pratt, Steven, Emeritus Professor of Mass Communication,**  
**College of Liberal Arts - 1987**  
 B.A., University of New Mexico, 1973; M.A., University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1985

**Priest, Jill, Assistant Chair/Professor of Dance,**  
**College of Fine Arts and Design – 2006**  
 B.A., University of Central Oklahoma, 1996; M.F.A., Texas Woman's University, 2000

**Puffinbarger, Loy, Emeritus Professor of Mathematics and Statistics,**  
**College of Mathematics and Science- 1964**  
 B.S., Northwestern Oklahoma State University, 1959; M.S., Oklahoma State University, 1964; Ed.D., Oklahoma State University, 1974

## Q

**Qian, Gang, Chairperson/Professor of Computer Science,**  
**College of Mathematics and Science - 2004**  
 B.S., Shanghai Jiao Tong University, 1995; M.S., Shanghai Jiao Tong University, 2000; Ph.D., Michigan State University, 2004

**Quickle, Ethel, Emeritus Assistant Professor of Humanities and Philosophy,**  
**College of Liberal Arts- 1970**  
 B.A., Central State University, 1966; M.T., Central State University, 1967

## R

**Radke, William J., Emeritus Provost and Vice President for Academic Affairs/Professor of Biology,**  
**College of Mathematics and Science - 1975**  
 B.S., Mankato State University, 1970; MA., Mankato State University, 1972; Ph.D., University of Arizona, 1975

**Rahm, Shay , Lecturer of English**  
**College of Liberal Arts – 2009**  
 B.A., University of Central Oklahoma, 1999; M.A., University of Central Oklahoma, 2001

**Randell, J. Adam, Assistant Professor of Psychology**  
**College of Education and Professional Studies- 2018**  
 B.S., East Central University, 2007; M.A., Texas Tech University, 2010; Ph.D., Texas Tech University, 2013

**Rao, S. Narasinga, Emeritus Dean, College of Graduate Studies and Research/ Professor of Physics and Engineering,**  
**College of Mathematics and Science- 1984**  
 B.S., University Madras, 1958; M.S., University of Madras, 1964; M.S. McMaster University, 1969; Ph.D., State University at New York Buffalo, 1973

**Rathor, Shehkar, Assistant Professor of Information Systems and Operations Management**

**College of Business - 2019**

B.S., Himachal Pradesh University, India, 2003; Master of Computer Applications, Panjab University Chandigarh, India, 2008  
Specializing Master in E-business and ICT for Management, Politecnico di Torino, Italy, 2011; Ph.D., Florida International University, 2016

**Redus, Brady, Professor of Kinesiology and Health Studies,**

**College of Education and Professional Studies – 2004**

B.S., University of Central Oklahoma, 1998; M.S., University of Oklahoma, 2001; Ph.D., Oklahoma State University, 2004

**Reed, Cheryl, Lecturer of Nursing,**

**College of Mathematics and Science – 2013**

B.S., University of Oklahoma Health Sciences Center, 2005; M.S., University of Oklahoma Health Sciences Center, 2011

**Reed, Douglas P., Emeritus Professor of Sociology, Gerontology, and Substance Abuse Studies,**

**College of Liberal Arts - 2000**

B.A., East Carolina University, 1980; M.A., East Carolina University, 1986; Ph.D., Oklahoma State University, 1992

**Remy-Schumacher, Tess, Professor of Music,**

**College of Fine Arts and Design - 1998**

Kunstlerische Reifepfung, Musikhochschule, Cologne, Germany, 1987; M.M., University of Southern California, 1989; D.M.A., University of Southern California, 1998

**Rice, Allen C., Professor of English,**

**College of Liberal Arts - 1991**

B. A., University of Oklahoma, 1980; M.A., University of Oklahoma, 1983; Ph.D., Indiana University, 1993

**Rice, Loree, Emeritus Professor of English,**

**College of Liberal Arts- 1970**

B.S., University of Central Oklahoma, 1945; M.A., George Peabody College for Teachers, 1948; Ed.D., Oklahoma State University, 1970

**Rickman, Charles, Emeritus Professor of Management,**

**College of Business- 1989**

B.S.B.A, Missouri Southern State College, 1985; M.B.A, University of Missouri-Columbia, 1986; Ph.D., University of Oklahoma, 1990

**Rider, Linda L., Professor of Nursing,**

**College of Mathematics and Science - 2001**

B.S., University of Mary Hardin Baylor, 1983; M.S., University of Oklahoma Health Sciences Center, 1998; Ph.D., Oklahoma State University, 2009

**Risley, Loretta (Lori) M., Associate Professor of Adult Education and Safety Sciences,**

**College of Education and Professional Studies, 2013**

A.N.S., Jewish Hospital College of Nursing, 2006; B.N.S., Barnes Jewish Hospital College of Nursing, 2008; M.N.S., Goldfab College of Nursing at Barnes Jewish College, 2010; Ed.D., Lindenwood University, 2012

**Rittner, Linda L., Emeritus Professor of Educational Sciences, Foundations, & Research,**

**College of Education and Professional Studies - 2009**

B.A., University of Northern Colorado, 2004; M.A., University of Northern Colorado, 2005; Ph.D., University of Northern Colorado, 2009.

**Roach, Travis, Associate Professor of Economics**

**College of Business, 2015**

B.S., University of North Texas, 2010; Ph.D., Texas Tech University, 2014

**Roberson, Jere W., Emeritus Professor of History and Geography,**

**College of Liberal Arts - 1969**

B.S., Tennessee Technological University, 1962; M.A., Auburn University, 1963; Ph.D., University of Georgia, 1966

**Roberts, Monty, Emeritus Assistant Professor of Mathematics and Statistics,**

**College of Mathematics and Science – 1962**

B.S., University of Central Oklahoma, 1960; M.A., University of Oklahoma, 1964

**Robertson, Michelle, Instructor of Donna Nigh Advanced Professional and Special Services**

**College of Education and Professional Studies-2016**

B.S., Oklahoma State University, 1991; B.S., University of Central Oklahoma, 1997; M.L.I.S., University of Oklahoma, 2005

**Rocha, Iliana, Assistant Professor of English,**

**College of Liberal Arts – 2016**

B.A., University of Houston, 2003; M.F.A., Arizona State University, 2008; Ph.D., Western Michigan University, 2016

**Roettger, Lloyd, Emeritus Professor of Professional Teacher Education,**

**College of Education and Professional Studies- 1991**

B.S., Indiana State University, 1970; M.A., Indiana State University, 1971; Ph.D., Iowa State University, 1990

**Rogers, Jimmie, Emeritus Assistant Professor of History and Geography,**

**College of Liberal Arts- 1966**

B.A., Northwestern Oklahoma State University, 1966; M.A., University of Oklahoma, 1969

**Rollins, Pamela G., Professor of Nursing,**

**College of Mathematics and Science – 2012**

B.S., University of Tulsa, 1975; M.S., University of Oklahoma, 2005; D.N.P., Oklahoma City University, 2012

**Rooker, Jill, Emeritus Professor of Advanced Professional and Special Services,**

**College of Education and Professional Studies - 1992**

B.S., Oklahoma State University, 1978; M.S., Oklahoma State University, 1984; Ph.D., Indiana University, 1995

**Rooney, Martin, Emeritus Associate Professor of Mathematics and Statistics,**

**College of Mathematics and Science- 1990**

B.S., University of Texas at Austin, 1986; M.S., Brown University, 1971; Ph.D., University of Texas at Austin, 1977

**Ross, Glen, Emeritus Assistant Professor of English,  
College of Liberal Arts- 1967**  
B.A., University of Colorado at Boulder, 1955; M.A., University of Americas Mexico City College, 1962

**Rossberg, Dagmar, Lecturer of English  
College of Liberal Arts – 2014**  
B.A. Oklahoma City University, 1991; M.L.A. Oklahoma City University, 1994; M.A. Oklahoma State University, 1999

**Rucker, Lee, Emeritus Assistant Professor of Music,  
College of Fine Arts and Design - 1982**  
B.M.Ed., University of Central Oklahoma, 1981; M.M.E., University of Central Oklahoma, 1982

**Rudebock, C. Diane, Emeritus Professor of Kinesiology and  
Health Studies,  
College of Education and Professional Studies - 2004**  
B.S.N., University of Oklahoma, 1970; M.S., Oklahoma State University, 1997; Ed.D., Oklahoma State University, 2001

**Rundle, Dana R., Professor of Chemistry,  
College of Mathematics and Science - 2004**  
B.S., University of Central Oklahoma, 1992; Ph.D., University of Oklahoma Health Sciences Center, 2000

**Rupp, Gabriel, Professor of Psychology,  
College of Education and Professional Studies – 2005**  
B.A., Pittsburg State University, 1983; M.A., Pittsburg State University, 1986; M.A., University of Central Oklahoma, 1994; Ph.D., University of Oklahoma, 2005

**Russell, Sheldon, Emeritus Professor of Curriculum and  
Instruction,  
College of Education and Professional Studies- 1975**  
B.A., Northwestern Oklahoma State University, 1968; M.S., Oklahoma State University, 1971; Ed.D., Oklahoma State University, 1973

**Russo, Andrew, Lecturer of Humanities & Philosophy,  
College of Liberal Arts – 2018**  
B.A., College of Wooster, 2007; Ph.D., University of Oklahoma, 2013

## S

**Salyer, Keith, Emeritus Assistant Professor of Professional  
Teacher Education,  
College of Education and Professional Studies- 1997**  
B.S., East Central Oklahoma State University, 1979; M.S., University of Central Oklahoma, 1983; M.S., University of Central Oklahoma, 1985; Ph.D., Oklahoma State University, 1994

**Samaras, John, Emeritus Professor of Management,  
College of Business- 1980**  
B.B.A., University of Oklahoma, 1952; M.B.A., Oklahoma City University, 1971; Ph.D., University of Oklahoma, 1975

**Samaraweera, Manoshi, Associate Professor of Marketing  
College of Business - 2011**  
B.Sc, University of Peradeniya, 2004; Ph.D. University of Houston, 2011

**Sanders, Paula, Assistant Professor of Accounting  
College of Business - 2016**  
B.S., University of California of Berkeley, 1987; MBA, University of California of Berkeley, 1994; Ph.D., University of Illinois at Urbana-Champaign, 2011

**Sanderson, McKenna, Assistant Professor of Graphic Design,  
College of Fine Arts and Design-2019**  
M.F.A., Maryland Institute College of Art, 2019

**Sasser, Sue Lynn, Emeritus Professor of Economics and  
International Business,  
College of Business – 2001**  
B.A. University of Central Oklahoma, 1976; M.S. University of Central Oklahoma, 1980; Ph.D. Texas Woman's University, 1983

**Saunders, Marie, Emeritus Professor of English,  
College of Liberal Arts- 1966**  
B.A., Hardin Simmons University, 1949; M.A., New Mexico Highlands University, 1964; Ph.D., University of Oklahoma, 1974

**Schatz, Sarah, Lecturer of Mathematics and Statistics,  
College of Mathematics and Science – 2019**  
B.S., University of Central Oklahoma, 2009; M.S., University of Central Oklahoma, 2013

**Scheef, Devin, Assistant Professor of Theatre Arts  
College of Fine Arts and Design – 2016**  
B.A., Lawrence University, 2005; M.F.A., University of Nevada, 2013

**Scott, Gregory M., Emeritus Professor of Political Science,  
College of Liberal Arts - 1990**  
B.A., Ohio Wesleyan University, 1970; M.A., University of Virginia, 1973; M.Div., Oral Roberts University, 1987; Ph.D., University of Virginia, 1989

**Scott, Mark, Instructor of Mass Communication,  
College of Liberal Arts – 2008**  
B.A., University of Central Oklahoma, 2000; M.E, University of Central Oklahoma, 2007

**Scott, Susan, Professor of Educational Sciences, Foundations, &  
Research,  
College of Education and Professional Studies - 1998**  
B.S., University of Central Oklahoma, 1977; M.Ed., University of Central Oklahoma, 1980; Ed.D., Oklahoma State University, 1998

**Seagraves, Nikki J., Associate Professor of Biology,  
College of Mathematics and Science - 2013**  
B.S., Northwestern Oklahoma State University, 2005; Ph.D., The Ohio State University, 2012

**Sealy-Holtz, Linda, Associate Professor of Advanced and  
Professional and Special Services,  
College of Education and Professional Studies – 2012**  
B.S., Oklahoma State University, 1983; M.Ed., University of Central Oklahoma, 1999; Ph.D., University of Oklahoma Health Sciences Center, 2008

**Sears, D. Kaye, Chairperson/Professor of Human Environmental Sciences,  
College of Education and Professional Studies - 1975**  
B.S., University of Oklahoma, 1961; M.Ed., University of Central Oklahoma, 1969; Ed.D., Oklahoma State University, 1978

**Seaton, Christopher, Instructor of Mass Communication,  
College of Liberal Arts – 2017**  
B.A., Thomas Edison State University, 2008; M.A., University of Texas at El Paso, 2013

**Sebert, Candy A., Emeritus Professor of Adult Education and Safety Sciences,  
College of Education and Professional Studies - 1990**  
B.S., Oklahoma State University, 1972; M.E., Northeastern Oklahoma State University, 1974; Ed.D., Oklahoma State University, 1983

**Settles, Valerie, Assistant Director/Associate Professor of Design,  
College of Fine Arts and Design - 2004**  
B.S., University of Central Florida, 1986; M.S., University of Oklahoma, 1992; M.S., University of Central Oklahoma, 1995; Ph.D., Oklahoma State University, 2014

**Shaaf, Mohammad, Emeritus Professor of Economics  
College of Business - 1980**  
B.S., Pahlavi University, Iran, 1972; M.B.A., University of Texas of the Permian Basin, 1976; Ph.D., Texas Tech University, 1982

**Shane, Don, Emeritus Professor of Curriculum and Instruction,  
College of Education and Professional Studies- 1971**  
B.A., Oklahoma Baptist University, 1955; M.T., Central State University, 1963; Ph.D., University of North Carolina at Chapel Hill, 1969

**Sharp, Brett S., Professor of Political Science /  
Director of Leadership Studies,  
College of Liberal Arts - 2000**  
B.S., Oklahoma State University, 1988; M.P.A., University of Oklahoma, 1991; Ph.D., University of Oklahoma, 1998

**Sharp, Ryan Associate Professor of Trumpet,  
College of Fine Arts and Design-2012**  
BM, University of Central Oklahoma 2002, MM Oklahoma City University 2008, DMA, University of Missouri-Kansas City, Conservatory of Music and Dance, 2012

**Shaull, Riley, Instructor of Accounting  
College of Business – 2019**  
BBA, University of Central Oklahoma, 1979; B.S., University of Central Oklahoma, 1994; MS, Oklahoma City University, 2013

**Sheetz-Nguyen, Jessica A., Professor of History,  
College of Liberal Arts – 2005**  
B.A., Cabrini College, 1973; M.A., Millersville University of PA, 1990; Ph.D., Marquette University, 1999

**Sheets, Mary Flanagan, Professor of Accounting,  
College of Business - 1988**  
B.S., Oklahoma City University, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1995; Certified Public Accountant

**Shelton, Melissa, Lecturer of Humanities and Philosophy,  
College of Liberal Arts – 2013**  
B.A., University of Central Oklahoma, 2006; M.A., University of Central Oklahoma, 2010

**Shin, Youngtae, Professor of Political Science,  
College of Liberal Arts - 1993**  
B.A., University of Washington, 1983; M.A., University of Washington, 1986; Ph.D., University of Washington, 1992

**Shirley, Michael, Emeritus Dean/Professor of Legal Studies,  
College of Business - 1981**  
B.A., Oklahoma State University, 1978; J.D., University of Oklahoma, 1981

**Shough, Evan, Associate Professor of Accounting  
College of Business - 2019**  
B.S., Oklahoma State University, 1996; M.S., Oklahoma State University, 1997; Ph.D., University of Oklahoma, 2005

**Shreck, Paulette, Professor of Curriculum and Instruction,  
College of Education and Professional Studies - 1996**  
B.S.E., Oklahoma Christian University of Science and Arts, 1975; M.Ed., University of Central Oklahoma, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1994

**Shukla, Rashi K., Professor of Criminal Justice,  
College of Liberal Arts - 2004**  
B.A., University of Central Oklahoma, 1994; M.A., Rutgers University, 1996; Ph.D., Rutgers University, 2003

**Silcox, Mark, Chairperson/Professor of Humanities and Philosophy,  
College of Liberal Arts - 2006**  
B.A., University of Toronto, 1992; M. A., University of Toronto, 1993; Ph.D., The Ohio State University, 2002

**Similly, Leslie, Associate Professor of English  
College of Liberal Arts – 2013**  
B.A. University of Central Oklahoma, 2006; M.A. University of Central Oklahoma, 2008; Ph.D. University of Texas at Arlington, 2012

**Sims, Jeanetta, Dean-Jackson College of Graduate Studies/  
Professor Business Communication,  
College of Business – 2007**  
B.S., Oklahoma Christian University, 1993; M.A., Abilene Christian University, 1995; Ph.D., The University of Oklahoma, 2008

**Simmons, Charlotte K., Associate Vice President for Academic Affairs/Professor of Mathematics and Statistics,  
College of Mathematics and Science - 1999**  
B.A., East Texas State University, 1988; M.A., University of North Texas, 1990; Ph.D., University of Oklahoma, 1998

**Simmon, Franklin, Emeritus Professor of Visual Art and Design,  
College of Liberal Arts- 1967**  
B.S., Western Michigan University, 1960; M.F.A., Cranbrook Academy of Art, 1965

**Singer-Farber, Gayle, Professor of Art,  
College of Fine Arts and Design - 1999**

B.A.Ed., Central State University, 1981; M.Ed.,  
Southwestern Oklahoma State University, 1982; B.F.A., Ceram-  
ics, Kansas City Art Institute, 1987; M.F.A., New York State  
College of Ceramics, Alfred University, 1989

**Singleton, Scott B., Associate Professor of Psychology,  
College of Education and Professional Studies – 2011**

B.S., University of Nevada, 2000; Ed.S., University of Nevada,  
2002; Psy.D., Southern California University of Professional  
Studies, 2006; Behavior Analysis Sequence, University of North  
Texas, 2007

**Skiles, Stephanie, Assistant Professor of Chemistry,  
College of Mathematics and Science – 2018**

B.S., Wayland Baptist University, 2009; Ph.D., Texas A & M  
University, 2014

**Sloan, Roberta, Emeritus Professor of Theatre,  
College of Fine Arts and Design- 1988**

B.S., Northwestern University, 1966; A.M., University of Michi-  
gan, 1967; Ph.D., University of Michigan, 1970

**Smeltzer, Steven, Instructor of Music,  
College of Fine Arts and Design-2009**

B.F.A, Florida State University, 1983

**Smith, Devin, Lecturer of Mathematics and Statistics,  
College of Mathematics and Science - 2016**

B.S., University of Central Oklahoma, 2010, M.S., University of  
Central Oklahoma, 2013

**Smith, Kathlynn S., Assistant Professor of Nursing,  
College of Mathematics and Science - 2013**

B.S.N., University of Central Oklahoma, 2006; M.S.N. Okla-  
homa Baptist University, 2012

**Smith, Terrill, Emeritus Professor of Chemistry,  
College of Mathematics and Science- 1968**

B.S., University of Oklahoma, 1953; M.S., University of Mary-  
land at College Park, 1958; Ph.D., Washington University, 1959

**Snell, Hailey, Lecturer of Mathematics and Statistics,  
College of Mathematics and Science-2018**

B.S., University of Central Oklahoma, 2013; M.S., Oklahoma  
State University, 2016

**Snider, Gayle, Emeritus Instructor of Adult Education  
and Safety Sciences,**

**College of Education and Professional Studies - 1999**

B.A., University of Colorado, 1972; M.P.H., University of  
Northern Carolina, 1978; M.S., University of Oklahoma, 1996

**Sokoll, Gary, Emeritus Professor of Funeral Service,  
College of Mathematics and Science - 1982**

B.S., University of Central Oklahoma, 1980; M.Ed., South  
Dakota State University, 1981; J.D., University of South Dakota,  
1987

**Sorrles (Persing), Bobbye, Emeritus Professor of General  
Business**

**College of Business, 1959**

B.S., Central State University, 1951; M.S., Central State Univer-  
sity, 1959; Ed.D., University of Oklahoma, 1966

**Southerland, Stacy D., Professor of Modern Languages,  
Literatures, and Cultural Studies,  
College of Liberal Arts - 1994**

B.A., Stephen F. Austin State University, 1987; M.A., Indiana  
University- Bloomington, 1990; Ph.D., Indiana University-  
Bloomington, 1994

**Spelman, Mary D., Emeritus Professor of English,  
College of Liberal Arts - 1992**

B.A., University of Central Oklahoma, 1971; M.A., University  
of Central Oklahoma, 1977; Ph.D., Oklahoma State University,  
1996

**Spence, Peggy, Emeritus Assistant Professor of Music,  
College of Fine Arts and Design- 1973**

B.M., University of Oklahoma, 1960; M.M., University of Okla-  
homa, 1962

**Spencer, Susan A., Professor of English,  
College of Liberal Arts - 1991**

B.A., California Polytech State University, S.L.O., 1983; M.A.,  
California Polytech State University, S.L.O., 1986; Ph.D.,  
University of California-Santa Barbara, 1992

**Spigner, Terry E., Professor of the Donna Nigh Department of  
Advanced Professional and Special Services,  
College of Education and Professional Studies - 1998**

B.A., University of Oklahoma, 1977; M.S., OU Health Sciences  
Center, 1980; M.S., University of Central Oklahoma, 1986;  
Ph.D., Howard University, 1992

**Spillmeier, Loynita, Emeritus Associate Professor of Occupa-  
tional Technology Education,  
College of Education and Professional Studies- 1986**

B.S.Ed., University of Central Oklahoma, 1969; M.E.d, Univer-  
sity of Central Oklahoma, 1976; Ed.D., University of Oklahoma,  
1988

**Springer, John P., Professor of English,  
College of Liberal Arts - 2000**

B.A., University of Oklahoma, 1979; M.A., University of  
Oklahoma, 1986; Ph.D., University of Iowa, 1994

**Springer, Michael S. , Professor of History and Geography/  
Director of High Impact Practices,  
College of Liberal Arts – 2007**

B.A., University of Oregon, 1991; M.A., Portland State Univer-  
sity, 2000; Ph.D., University of St. Andrews, 2005

**Sprung, Doug, Emeritus Professor of Curriculum and Instruction  
College of Education and Professional Studies**

B.A., Western Michigan University, 1964; M.A., Western Michi-  
gan University, 1965; M.S., Central Michigan University, 1970;  
Ph.D., University of Michigan, 1973

**Squires, Constance E., Professor of English,  
College of Liberal Arts – 2006**

B.A. University of Oklahoma, 1993; M.A. University of Central Oklahoma, 1999; Ph.D. Oklahoma State University, 2005

**St. John, Scott, Lecturer of Engineering and Physics,  
College of Mathematics and Science – 2015**

B.S., University of Central Oklahoma, 2011; M.S., University of Central Oklahoma, 2014

**Stapleton, David P., Professor of Mathematics and Statistics,  
College of Mathematics and Science - 1993**

B.S., University of California, Santa Barbara, 1979; M.A., University of California, San Diego, 1981; Ph.D., University of Arizona, 1990

**Steele, Linda L., Emeritus Professor of English,  
College of Liberal Arts - 1996**

B.A., University of Central Oklahoma, 1988; M.A., University of Central Oklahoma, 1990; Ph.D., University of Southwestern Louisiana, 1996

**Steele, M. Linda, Emeritus Professor of Nursing,  
College of Mathematics and Science - 1990**

B.S.N., University of Central Oklahoma, 1982; M.S., University of Oklahoma Health Sciences Center, 1987; Ph.D., Oklahoma State University, 2003

**Steelman, Burle, Assistant Professor in Criminal Justice  
College of Liberal Arts – 2014**

B.S. University of Oklahoma, 1981; M.A. University of Central Oklahoma, 2009

**Stein, Wayne P., Professor of English,  
College of Liberal Arts - 1996**

B.A., English, University of Central Oklahoma, 1988; B.A., Spanish, University of Central Oklahoma, 1992; M.A., University of Central Oklahoma, 1991; Ph.D., Oklahoma State University, 1997

**Steward, Gary A., Jr., Associate Vice President, Institutional  
Effectiveness**

**Professor of Sociology, Gerontology, and Substance Abuse  
Studies,**

**College of Liberal Arts - 1998**

B.A., Central State University, 1991; M.A., University of Central Oklahoma, 1992; Ph.D., Oklahoma State University, 1999

**Stewart, Danny, Instructor of Accounting  
College of Business - 2016**

B.S., University of Oklahoma, 1981; MBA, University of Central Oklahoma, 1993

**Stone, Jennifer A., Lecturer of Mathematics and Statistics,  
College of Mathematics and Science - 2010**

B.S., Oklahoma State University, 2004; M.S., Oklahoma State University, 2006

**Stone, Marie, Lecturer of Biology,  
College of Mathematics and Science – 2016**

B.S., University of Central Oklahoma, 2001; M.S., University of Central Oklahoma, 2004

**Stone, Paul A., Professor of Biology,  
College of Mathematics and Science - 1995**

B.S., University of Florida, 1987; M.S., Auburn University, 1990; Ph.D., University of New Mexico, 1995

**Streets, Barbara S., Professor of Music,  
College of Fine Arts and Design – 2005**

B.M.E., University of Oklahoma, 1982; M.M., University of Oklahoma, 1986; Ph.D., University of Oklahoma, 2002

**Strong, Roger, Emeritus Professor of Music,  
College of Liberal Arts- 1971**

B.Mus., Oklahoma City University, 1960; M.M., University of Southern California University, 1963; D.M.E. University of Oklahoma, 1968

**Stumbaugh, Charles, Emeritus Professor of Accounting,  
College of Business- 1966**

B.S., Northeastern Oklahoma State University, 1963; M.S., Oklahoma State University, 1964; Ph.D., University of Oklahoma, 1975

**Sullins, Shirlee K., Emeritus Professor of Curriculum and  
Instruction,**

**College of Education and Professional Studies – 1994**

B.S., Oklahoma State University, 1965; M.S., Drake University, 1973; Ed.D., Oklahoma State University, 1990

**Sunderland, J. Edwin, Instructor of Kinesiology and  
Health Studies,**

**College of Education and Professional Studies - 2007**

B.S., Pennsylvania State University, 1978; M.S., University of Arizona, 1979

**Sung, Hong Ki, Professor of Computer Science,  
College of Mathematics and Science - 2000**

B.S., Seoul National University, Korea, 1984; M.S., University of Louisiana, 1990; Ph.D., University of Arizona, 1994

**Swanson, Zane, Professor of Accounting,  
College of Business – 2008**

B.S., Massachusetts Institute of Technology, 1971; M.S. of Industrial Administration, Carnegie-Mellon Graduate School of Business, 1973; M.S. of International Business, University of South Carolina, 1988; Ph.D., University of Oklahoma, 1991

**Sweet-Darter, Mary L., Emeritus Professor of Psychology,  
College of Education and Professional Studies - 2004**

B.A.Ed., Oklahoma State University, 1964; M.A.T., Southwestern Oklahoma State University, 1967; Ph.D., University of Oklahoma, 1993; Post -Doctoral Fellowship, Johns Hopkins School of Medicine, Pediatric Research, 1997-1998

## T

**Tafoya, Alicia, Assistant Professor of Theatre Arts,  
College of Fine Arts and Design-2019**

B.S., Southern Utah University, 2003; M.F.A., Texas Tech University, 2006

**Tanner-Garrett, Marcy, Assistant Professor of Nursing,  
College of Mathematics and Science – 2018**

B.S., Oklahoma State University, 1996; B.S.N., Southwestern Oklahoma State University, 2002; M.S.N., University of Oklahoma Health Sciences Center, 2007; Ed.D., Walden University, 2014

**Taylor, Andrew, Assistant Professor of Biology,  
College of Mathematics and Science – 2019**

B.S., University of Georgia, 2009; M.S., University of Georgia, 2012; Ph.D., Oklahoma State University, 2017

**Taylor, Susan C., Lecturer of Humanities and Philosophy,  
College of Liberal Arts - 2006**

B. F. A., University of Montana, 1980; M. F. A. Wichita State University, 1987

**Tayo, Benjamin, Associate Professor of Engineering and Physics,  
College of Mathematics and Science – 2019**

B.S., University of Buea (Cameroon), 2004; M.S., University of Trieste, 2007; Ph.D., Lehigh University, 2012

**Teal, Mary, Associate Professor of Accounting,  
College of Business – 2007**

B.S., University of Central Oklahoma, 1994; M.B.A., University of Central Oklahoma, 2002; J.D., Oklahoma City University, 2005; Certified Public Accountant, 2009

**Terrell, Katherine P., Emeritus Professor of Accounting,  
College of Business - 1988**

B.B.A., University of Oklahoma, 1969; M.B.A., University of Central Oklahoma, 1990; Ed.D., Oklahoma State University, 1994; Certified Public Accountant, Certified Fraud Examiner

**Terrell, Robert, Emeritus Professor of Accounting,  
College of Business - 1985**

B.B.A., University of Oklahoma, 1969; M.B.A., University of Oklahoma, 1971; Ed.D., Oklahoma State University, 1992; Certified Public Accountant, Certified Fraud Examiner, Certified Internal Auditor

**Thompson, Hayley, Instructor of Theatre Arts,  
College of Fine Arts and Design – 2008**

B.A., University of Central Oklahoma, 2000; M.E., University of Central Oklahoma, 2007

**Thompson, Sandra D., Professor of Music,  
College of Fine Arts and Design - 1989**

B.M., Oklahoma City University, 1975; M.M.E., University of Central Oklahoma, 1984; D.M.A., University of Oklahoma, 2008

**Thornton, Phyllis, Emeritus Professor of Computer Science,  
College of Mathematics and Science- 1981**

B.A., San Diego State University, 1970; Ed.D. Oklahoma State University, 1988

**Thorsen, Beverly, Emeritus Assistant Professor of English,  
College of Liberal Arts- 1968**

B.A., University of Oklahoma, 1956; M.A., University of Oklahoma, 1969

**Townsend, Amy, Assistant Professor of Kinesiology  
College of Education and Professional Studies- 2018**

B.S., Pittsburg State University, 1992; M.S., Pittsburg State University, 1994; Ed.D., Northcentral University, 2017

**Tran, Thanh, Associate Dean/Professor of Marketing  
College of Business – 2009**

Combined Bachelors and Master in Industrial Biotechnology, Polytechnics of Warsaw, 1997; Masters in Management and Marketing, University of Warsaw, 1998; Ph.D., University of Central Florida, 2009

**Traywick, Debra, Chairperson/Professor of Kinesiology and  
Health Studies,**

**College of Education and Professional Studies - 2004,**  
B.S. Ed., Southern Nazarene University, 1982; M.Ed., University of Central Oklahoma, 1984; Ed.D., St. Louis University, 2003

**Tripodi, Joseph, Lecturer of Political Science  
College of Liberal Arts – 2014**

B.S. Ramapo College of New Jersey, 1979; M.A. Oklahoma City University, 1991; J.D. Oklahoma City University, 2002; M.S. University of Central Oklahoma, 2014

**Trout, Lawana, Emeritus Associate Professor of English,  
College of Liberal Arts- 1979**

B.S., University of Oklahoma, 1953; M.A.T., University of Tulsa, 1962; Ph.D., Northwestern University, 1978

**Turner, Dana S., Emeritus Professor of Curriculum and  
Instruction,**

**College of Education and Professional Studies - 2000**  
B.S., Southwestern Oklahoma State University, 1975; M.A., University of Alabama, Birmingham, 1989; Ed.D., Oklahoma State University, 1999

**Turner, Thomas R., Professor of Computer Science,  
College of Mathematics and Science - 1993**

B.S., University of Washington, 1975; M.S., Iowa State University, 1981; Ph.D., Iowa State University, 1987

**Tyler, Moose, Instructor of Mass Communication  
College of Liberal Arts – 2012**

B.A., Oklahoma City University, 1997; M.A., Oklahoma City University, 2005; M.S., New York University, 2009

**Tyner, Lee, Professor of Management,  
College of Business – 2007**

B.B.A., University of Oklahoma, 1992; M.S., Southern Nazarene University, 1995; Ed.D., Oklahoma State University, 2006

V

**Vanderhamm, David, Lecturer of Humanities & Philosophy,  
College of Liberal Arts – 2019**

B.A., Colorado Christian University, 2007; M.M., University of Denver, 2011; M.A., University of North Carolina at Chapel Hill, 2013; Ph.D., University of North Carolina at Chapel Hill, 2017

**Vanhoy, Mickie, Professor of Psychology,  
College of Education and Professional Studies - 2004**

B.A., University of Central Oklahoma, 1988; M.A., University of Central Oklahoma, 1990; Ph.D., Arizona State University, 1997, Postdoctoral Fellowship, University of Connecticut, 1998-2001



**Van Osdol, William, Emeritus Professor of Curriculum and Instruction,**

**College of Education and Professional Studies- 1964**

B.A., Central State University, 1952; M.Ed., University of Oklahoma, 1961; Ph.D., University of Oklahoma, 1964

**Vaughan, Melville, Professor of Biology,**

**College of Mathematics and Science - 2004**

B.S., University of Oklahoma, 1987; Ph.D., University of Oklahoma Health Sciences Center, 1998

**Vaughan, Theresa, Assistant Dean/Professor of Humanities and Philosophy,**

**College of Liberal Arts - 1999**

B.A., University of Michigan, 1990; M.A., Indiana University, 1995; Ph.D., Indiana University, 1999

**Vessier, Karen C., Assistant Professor of Nursing,**

**College of Mathematics and Science – 2004**

B.S.N., Loyola University, 1993; M.S., University of Oklahoma, 1998; Ph.D., Texas Woman's University, 2018

**Villani, Shari, Emeritus Professor of Adult Education and Safety Sciences**

**College of Education and Professional Studies – 2004**

B.S., Northwestern State University, 1972; M.Ed., University of Central Oklahoma, 1994; Ed.D., Oklahoma State University, 1999

**Vincent, Christy, Professor of Mass Communication,**

**College of Liberal Arts – 2005**

B.S., Oklahoma Christian University, 1982; M.A., University of Houston, 1986; Ph.D. University of Oklahoma, 2001

**Vincent, Daniel, Chairperson/Professor of Curriculum and Instruction,**

**College of Education and Professional Studies – 2006**

B.S., Oklahoma Baptist University, 1999; M.Ed., University of Oklahoma, 2001; Ph.D., University of Oklahoma, 2006

**Visor, Diane, Emeritus Assistant Professor of Computing Science, College of Mathematics and Science- 1982**

B.A., Oklahoma State University, 1966; M.Ed., University of Central Oklahoma, 1981

**von Minden, David L., Emeritus Professor of Chemistry, College of Mathematics and Science - 1996**

B.S., Texas Tech University, 1966; Ph.D., University of Nebraska, 1970

## W

**Wagner, Stephen, Lecturer of Humanities & Philosophy**

**College of Liberal Arts – 2014**

B.A. University of Maryland, 1982; B.S. University of Maryland, 1982; B.A. University of Oklahoma, 1999; M.A. University of Pittsburgh, 1985; M.L.S. University of Pittsburgh, 1990

**Wakefield, Judith, Emeritus Professor of Advanced Professional and Special Services,**

**College of Education and Professional Studies - 1986**

B.S.E., Emporia State University, 1969; M.A., Emporia State University, 1971; Ph.D., University of Oklahoma, 1986

**Walker, Edward, Professor of Accounting,**

**College of Business – 2008**

B.A., Texas State University at San Marcos, 1979; B.B.A., Texas State University at San Marcos, 1981, Certified Public Accountant, State of Texas, 1984, M.B.A., University of Houston, 1987; Ph.D., University of Houston, 1996

**Wall, Ida Kay, Emeritus Professor of Curriculum and Instruction,**

**College of Education and Professional Studies- 1985**

B.S., University of Central Oklahoma, 1970; M.Ed., University of Central Oklahoma, 1979; Ed.D., Oklahoma State University, 1988

**Wallo, William M., Emeritus Professor of Art,**

**College of Fine Arts and Design - 1969**

B.F.A., School of the Art Institute of Chicago, 1965; M.F.A., Indiana University, 1968

**Wardrope, William, Emeritus Professor of Economics,**

**College of Business - 2005**

B.A., Central State University, 1986; M.A., Oklahoma State University, 1988; Ph.D., University of Nebraska-Lincoln, 1995

**Warehime, Nicole, Assistant Professor of Sociology, Gerontology and Substance Abuse Studies,**

**College of Liberal Arts – 2016**

B.S., Oklahoma City University, 2002; M.A., University of Oklahoma, 2004; Ph.D., University of Oklahoma, 2008

**Warne, Jesse, Assistant Professor of Design,**

**College of Fine Arts and Design—2019**

M.F.A., University of Central Oklahoma, 2018

**Warning, Renee, Emeritus Professor of Management,**

**College of Business - 2002**

B.B.A., University of Central Oklahoma, 1986; M.B.A., University of Central Oklahoma, 1988; Ed.D. Oklahoma State University, 1992

**Washington, Pamela, Emeritus Dean/College of Fine Arts and Design/Professor of English,**

**College of Liberal Arts - 1989**

**College of Fine Arts and Design - 2013**

B. A., Oklahoma State University, 1982; M.A., Oklahoma State University, 1985; Ph.D., University of Southwestern Louisiana, 1993

**Waterman, Darwin, Emeritus Professor of Curriculum and Instruction,**

**College of Education and Professional Studies- 1972**

B.A., California State University- Los Angeles, 1956; M.A., Pasadena Nazarene College, 1965; Ed.D. University of Tulsa, 1973

**Waters, Amanda, Assistant Professor of Chemistry,**

**College of Mathematics and Science – 2016**

B.S., University of Oklahoma, 2009, Ph.D., University of Mississippi, 2014

**Waters, Marilyn B., Emeritus Professor of Human Environmental Sciences,**

**College of Education and Professional Studies - 1992**

B.S., Oklahoma State University, 1981; M.S., Oklahoma State University, 1985; Ph.D., Oklahoma State University, 1992

**Watkins, Brad W., Professor of History and Geography,  
College of Liberal Arts – 2007**

B.A., University of Oklahoma, 2000; M.A., University of Oklahoma, 2002; Ph.D., Oklahoma State University, 2007

**Watson, Donna, Emeritus Associate Professor Department of  
Home Economics,**

**College of Education and Professional Studies- 1986**

B.S., Oklahoma State University, 1947; M.S., Oklahoma State University, 1970; Ed.D., Oklahoma State University, 1986

**Watson, James, Emeritus Professor of Design  
College of Fine Arts and Design-1987**

B.S., University of Texas at Austin, 1979; M.Ed., North Texas State University, 1982; Ph.D., North Texas State University, 1987

**Weatherford, J.W., Emeritus Professor of Professional  
Teacher Education,**

**College of Education and Professional Studies- 1972**

B.A., East Central Oklahoma State University, 1958; M.S., Oklahoma State University 1963; Ph.D., Ohio State University, 1972

**Webb, David D., Emeritus Professor of History and Geography,  
College of Liberal Arts - 1968**

B.A., Pepperdine University, 1962; ; M.A., University of Oklahoma, 1968; Ph.D., University of Oklahoma, 1978

**Webb, Keith R., Professor of Design  
College of Fine Arts and Design - 2000**

B.F.A., University of Oklahoma, 1987; M.A., University of Central Oklahoma, 1996; M.F.A., University of Central Oklahoma, 2007

**Weber, Reid, Assistant Professor of Humanities & Philosophy,  
College of Liberal Arts – 2017**

B.A., Wayne State College, 2003; M.A., Northern Illinois University, 2007; Ph.D., University of Florida, 2014

**Webster, Catherine S., Dean/Professor of Modern Languages,  
Literatures and Cultural Studies,  
College of Liberal Arts, 2006**

B.A., Columbia University, 1987; M.A., Columbia University Teachers College, 1991; M.A., New York University, 1998, M. Philosophy, New York University, 2000, Ph.D., New York University, 2005

**Webster, J. Kirk, Emeritus Professor of the Donna Nigh Department of Advanced Professional and Special Services,  
College of Education and Professional Studies - 2007**

B.A., Oklahoma State University, 1977; M.S., Oklahoma State University, 1979; Ed.D., Oklahoma State University, 1990

**Wei, Hongguo, Assistant Professor of Management  
College of Business - 2017**

B.S., Beijing Normal University, 2008; MBA, Beijing Normal University, 2011; Ph.D. Case Western Reserve University, 2017

**Weidell, Barbara, Professor of Art, Sculpture  
College of Fine Arts and Design, 2006**

B.F.A., Sonoma State University, 1998; M.F.A., San Diego State University, 2002

**Weidell, Charleen, Interim Dean/Professor of Art, Jewelry  
and Metalsmithing**

**College of Fine Arts and Design - 2004**

B.A., San Diego State University, 1975; B.A., San Diego State University, 1999; M.F.A., San Diego State University, 2002

**Weigand, Christopher, Lecturer of Humanities and Philosophy,  
College of Liberal Arts – 2013**

B.A., Trinity University, 1987; M.A., University of Minnesota, 1992

**Weldon, Tyler, Associate Professor, Educational Sciences,  
Foundations and Research,**

**College of Education and Professional Studies – 2014**

B.A., University of Central Oklahoma, 2002, M.A., University of Central Oklahoma, 2004, Ph.D., University of New Mexico, 2012

**Wendling, Brent L., Emeritus Professor of Advanced  
Professional Services,**

**College of Education and Professional Studies - 1995**

B.A., Syracuse University, 1966; M.Ed., Bowling Green State University, 1974; Ph.D., Bowling Green State University, 1986

**Wert, Lynette, Emeritus Professor of Creative Studies,  
College of Liberal Arts- 1984**

B.A., University of Oklahoma, 1959; M.A., University of Oklahoma, 1960; M.A., University of Central Oklahoma, 1969; Ed.D., Oklahoma State University, 1987

**Wert-Gray, Stacia, Chairperson/Professor of Marketing,  
College of Business - 1992**

B.S., University of Arizona, 1981; M.B.A., University of Arizona, 1985; Ph.D., University of Oklahoma, 1993

**Westerman, John, Emeritus Professor of Professional Teacher  
Education,**

**College of Education and Professional Studies- 1975**

B.A., Southeastern College of the Assemblies of God, 1968; M.S., Northern Illinois University, 1972; Ed.D., Northern Illinois University, 1974; M.Ed., University of Central Oklahoma, 1994

**Westmoreland, Larry, Emeritus Professor of Chemistry,  
College of Mathematics and Science- 1969**

B.S., Humbolt State University, 1961; Ph.D., University of Colorado at Boulder, 1969

**Wetsel, Janette C., Professor of Curriculum and Instruction,  
College of Education and Professional Studies - 2003**

B.S.E., Oklahoma Christian University, 1978; M.Ed., University of Central Oklahoma, 1983; Ph.D., University of Oklahoma, 2004

**Whipple, Charles, Emeritus Professor of Psychology,  
College Education and Professional Studies- 1969**

M.Ed., Phillips University, 1964; Ed.D., University of Oklahoma, 1968; Ph.D., Midwestern University, 1973

**White, Greg, Professor, Director of Musical Theatre,  
Producer of Broadway Tonight**

**College of Fine Arts and Design-2002**

B.M., University of Central Oklahoma, 1992; M.A. University of Central Oklahoma, 1992; Ph.D., Texas Tech University, 2007

**White, L. Keith, Professor of Music  
College of Fine Arts and Design – 2008**

B.M.E., Wichita State University, 1968; M.M., Wichita State University, 1986, Ph.D., Texas Tech University, 1993

**Whittemore, Margaret, Emeritus Professor of Psychology,  
College of Liberal Arts- 1974**

M.A., East Carolina University, 1968; M.S., East Carolina University, 1971; Ed.D., Oklahoma State University, 1975

**Wickham, Anastasia, Associate Professor of English  
College of Liberal Arts – 2015**

B.A., University of Oklahoma, 2003; M.Ed., University of Oklahoma, 2008; Ph.D., University of Oklahoma, 2013

**Wieck, Catherine A., Associate Professor of Theatre Arts,  
College of Fine Arts and Design – 2007**

B.S., Wayne State College, 1993; M.F.A., University of Nebraska Lincoln, 2005

**Williams, Erin, Assistant Professor of Mathematics and  
Statistics,**

**College of Mathematics and Science – 2019**

B.S., Whitworth College, 2006; M.S., Texas Tech. University, 2009; Ph.D. Texas Tech. University, 2013

**Williams, Janice K., Emeritus Professor of Marketing,  
College of Business - 1989**

B.S., Oklahoma State University, 1969; M.B.A., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1993

**Williams, Joey, Lecturer in Humanities and Philosophies,  
College of Liberal Arts – 2016**

B.A., Hendrix College, 2004; M.A., University of Arizona, 2007; Ph.D., University at Buffalo, SUNY, 2014

**Williams, Kathryn M., Lecturer in Sociology, Gerontology,  
and Substance Abuse Studies,**

**College of Liberal Arts – 2001**

B.A., University of Oklahoma, 1975; M.A., Oklahoma City University, 1980

**Williams, Mary, Emeritus Associate Professor of General  
Business,**

**College of Business- 1981**

B.S.Ed., Langston University, 1973; M.Ed. North Eastern Oklahoma State University, 1977; Ph.D. University of Oklahoma, 2001

**Williams, Ronnie S., Assistant Professor of Mathematics and  
Statistics,**

**College of Mathematics and Science – 2016**

B.S., Texas Tech University, 2007, M.S., Texas Tech University, 2010, Ph.D., University of Arizona, 2016

**Williams, Therese, Assistant Professor of Information Sys-  
tems and Operations Management**

**College of Business – 2017**

B.S., University of Memphis, 1979; MBA, University of Memphis, 1989; Ph.D., University of Arkansas at Little Rock, 2017

**Willis, Angela, Assistant Professor of Nursing,  
College of Mathematics and Science – 2009**

B.S., University of Central Oklahoma, 1991; M.S., Southern Nazarene University, 2006

**Willis, Geoff, Assistant Dean of Curriculum Management  
and Global Activities/Professor of Information Systems and  
Operations Management,  
College of Business - 1998**

B.S. Vanderbilt University, 1984; M.S., Texas Tech University, 1992; Ph.D., Texas Tech University, 1994

**Wilson, Gregory, Assistant Vice President of the Office of Re-  
search and Sponsored Programs, Academic Affairs/Associate  
Professor of Biology,**

**College of Mathematics and Science - 2001**

B.S., Central University of Iowa, 1991; M.S., Fort Hays State University, 1994; Ph.D., Oklahoma State University, 2001

**Wilson, Ragenia L., Assistant Professor of Nursing,  
College of Mathematics and Science - 2013**

B.S.N., University of Oklahoma Health Sciences Center, 1990; M.S.N., University of Health Sciences Center, 1999; D.N.P., American Sentinel University, 2018

**Wilson, Weldon J., Professor of Engineering and Physics,  
College of Mathematics and Science - 1992**

B.S., Oklahoma State University, 1973; Ph.D., Oklahoma State University, 1980

**Wood, John, Associate Professor of Political Science  
College of Liberal Arts – 2014**

B.S. Oklahoma State University, 1994; M.A. Oklahoma State University, 1998; Ph.D. Oklahoma State University, 2007

**Wooden, Lori, Professor of Music,  
College of Fine Arts and Design - 1999**

B.S., St. Cloud State University, 1980; M.M., University of Minnesota, 1986; D.M.A., University of Wisconsin-Madison, 1996

**Woolwine, Sarah, Lecturer of Humanities and Philosophy  
College of Liberal Arts – 2013**

B.A. Oklahoma City University, 2003; M.A. Southern Illinois University Carbondale, 2006; Ph.D. Southern Illinois University Carbondale, 2011

**Wright, Adrienne, Assistant Professor of Interior Design,  
College of Fine Arts and Design-2019**

M.F.A., University of Central Oklahoma, 2017

**Wright, Geraldine, Emeritus Professor of Special Services,  
College of Education and Professional Studies- 1994**

B.S., Phillips University, 1967; M.Ed., University of Oklahoma, 1972; Ph.D. University of Oklahoma, 1994

**Wright, LaNita, Assistant Professor of Kinesiology and  
Health Studies**

**College of Education and Professional Studies- 2015**

B.S. Auburn University, 2009; M.P.H. Oklahoma University, 2011; Ph.D., University of Oklahoma, 2017

**Wynn, Brock, Lecturer****College of Fine Arts and Design**

B.F.A., University of Oklahoma, 2001; M.F.A., University of Central Oklahoma, 2015

## X

**Xu, Gang, Associate Professor of Engineering and Physics,  
College of Mathematics and Science, 2012**

B.S., Fudan University, Shanghai, China, 1998; M.S., Fudan University, Shanghai, China, 2001; M.S., Washington University, 2004; S.Sc., Washington University, 2006

## Y

**Yates, James, Emeritus Professor of Mathematics and Statistics,  
College of Mathematics and Sciences- 1970**

B.S., University of Central Oklahoma, 1964; M.S., Oklahoma State University, 1966; Ph.D., Oklahoma State University, 1969

**Yoon, Kanghyun, Associate Professor of Marketing  
College of Business - 2011**

B.B.A., Hankuk University of Foreign Studies, 1987; M.S., Hankuk University of Foreign Studies, 1989; MBA, Illinois Institute of Technology, 1995; Ph.D. University of Wisconsin at Milwaukee, 2004

**Youll, Lorraine, Professor of Psychology,****College of Education and Professional Studies - 1995**

B.A., Missouri Southern State College, 1984; M.A., University of Central Oklahoma, 1988; Ph.D. University of Oklahoma, 1994

## Z

**Zanowiak, Donna, Emeritus Professor of Biology,  
College of Mathematics and Science- 1991**

B.S., University of Central Oklahoma, 1983; M.S. University of Central Oklahoma, 1987; Ph.D., Texas A&M University, 1981

**Zhang, Shuai, Assistant Professor of Computer Science,  
College of Mathematics and Science – 2019**

B.S., University of Science and Technology of China, 2012; M.S., University of Science and Technology of China, 2012; Ph.D., The University of Texas at Dallas, 2019

**Zhang, Yajun, Lecturer of Modern Languages, Literatures,  
and Cultural Studies,****College of Liberal Arts, 2006**

B.A., Beijing Normal University, 1961, M.A., Beijing Foreign University, 1964

**Zhang, Ying – Associate Professor of Accounting  
College of Business, 2014**

B.A., Peking University, 1998; M.Philosophy, The Chinese University of Hong Kong, 2000; M.A., The University of Oklahoma, 2002; Ph.D., Temple University, 2010

**Zhou, Wenkai, Assistant Professor of Marketing  
College of Business – 2019**

B.A., Eastern Washington University, 2010; MBA, University of California, Riverside, 2013; Ph.D., New Mexico State University, 2017

**Zhu, Hong, Professor of Music,****College of Fine Arts and Design - 1996**

B.A., Beijing Central Conservatory of Music, China, 1982; M.M., Michigan State University, 1990; D.M.A., Michigan State University, 1995

**Zhu, Zhen, Professor of Economics,  
College of Business - 2000**

B.S., People's University of China, 1985; M.A., Bowling Green State University, 1987; Ph.D., University of Michigan, 1994

**Zimmerman, Mark, Professor of Mass Communication,  
College of Liberal Arts – 2007**

B.A., University of Central Oklahoma, 1993; M.Ed., University of Central Oklahoma, 1999; M.F.A., University of Oklahoma, 2011

# *UCO Admissions Information*

# UCO Admissions Information

## Undergraduate Admissions

The Office of Undergraduate Admissions (UA) provides information to prospective freshmen and transfer students interested in attending the University of Central Oklahoma. Undergraduate Admissions is typically the first point of contact for prospective students, their parents, and academic counselors.

Campus visits are offered through this office and provide students the chance to tour campus, visit with a professor, view the various housing opportunities, and obtain information concerning their intended major.

Admission Counselors attend college fairs and make presentations to high schools and community colleges in the state of Oklahoma and out-of-state.

Throughout the year, Admissions coordinates recruitment events and activities on campus. For further information, or to arrange a campus visit please call (405) 974-2727 or online at <https://www.uco.edu/admissions-aid/visit-central/>.

## Admission Requirements

Standards for admission to UCO are established by the Oklahoma State Regents for Higher Education. These standards are based on prospective students' residence status and previous educational background.

All students pursuing an area of study leading to a bachelor's degree must meet both performance standards and curricular standards. Performance standards refer to a student's rank in the high school graduating class and overall grade point average in the core curriculum courses. It can also be based on admission test scores. Curricular standards refer to a student's formal educational background in the subject areas of English, science, mathematics, history, and citizenship skills (as well as two additional units from foreign language, computer science and the subjects listed above).

Additionally, all first-time students attending Oklahoma colleges and universities as a full-time or part-time student must comply with state laws regarding Immunization records. More specifically, students must provide documentation of vaccinations against Hepatitis B and measles, mumps and rubella (MMR). All student will be required to either submit records of immunizations, an official transcript from an approved source, or a Waiver of Immunizations due to medical limitation. More information can be found at [https://oga.uco.edu/\\_files/documents/international-immunization.pdf](https://oga.uco.edu/_files/documents/international-immunization.pdf).

For **first-time entering freshmen**, proficiency in these curricular areas can be demonstrated by having successfully completed four years of English, three years of laboratory science, three years of mathematics (Algebra I or above and Algebra II), three years of history and citizenship skills (including one year of American History and two additional years from History, Economics, Geography, Non Western Culture), and two additional units from subjects previously listed or from computer science or foreign language at the high school level.

Students who have not completed the above subject college-bound core areas at the high school level can demonstrate sufficient curricular background and knowledge for college study. To do so,

they must successfully pass a placement examination in the deficient area or attain a minimum score of 19 in the appropriate subject portion of the ACT.

**GED students** who meet freshman admission standards must wait until their graduating high school class is due to enter the collegiate circuit. Alternatively, they may file for special early admission by submitting the standard application materials, writing a letter of intent, and completing a personal interview with the Director of Admissions.

**Transfer students** can document proficiency in the curricular areas in one of four ways: 1) successful completion of college-bound core areas at the high school level, 2) achievement of a passing score on the appropriate placement examination, 3) successful completion of the approved developmental or remedial course(s), or 4) successful completion of a college level course in the curricular area.

Preliminary admission decisions can be made based on: 1) six-semester high school transcripts from students who have earned a 20 ACT composite or above, 2) seven semester high school transcripts with the required GPA and class rank, 3) final high school transcript with a core calculation of a 2.7 GPA or higher or 4) college transcripts with only the current semester outstanding, except in cases where the grade point average or curricular deficiencies are borderline. Final admission decisions CANNOT be made until all credentials have been received by the Office of Undergraduate Admissions. All transcripts, test scores, correspondence, or other materials submitted for the purpose of applying for admission become the property of the University and will not be returned.

For information regarding admission to the University, write or visit the Office of Undergraduate Admissions, Nigh University Center, Room 124, University of Central Oklahoma, 100 North University Drive, Edmond, Oklahoma 73034-5209.

## Application Fee

All first-time applicants, students who have graduated from UCO, applicants for a previous term who never enrolled, students who have been out for a year or longer, or anyone who has been suspended and reinstated after sitting out the required time will be charged a non-refundable, non-transferable, \$50.00 application fee with the Application for Admission. This fee must be paid before an application will be processed, any unpaid applications will be treated as incomplete and not processed until payment is received. Applications are online at <https://www.uco.edu/admissions-aid/apply-now/>, click on the "Apply Now" button.

On-line applications must be paid electronically.

## Non-Academic Admission Requirements

The University of Central Oklahoma may take into account non-academic criteria in admitting first-time, readmission or transfer students to include whether an applicant has been expelled, suspended, placed on probation, denied admission, or denied readmission by any other educational institution. If the applicant was a student at the time of the questionable conduct and if the conduct in question would have been grounds for expulsion, suspension, probation or dismissal, then, denial of admission to the University of Central Oklahoma may occur.

Admission of students who are currently under disciplinary sanctions at other institutions must first be approved through the

Office of Student Conduct, Nigh University Center, Room 136 or (405) 974-5380. The University reserves the right to deny admission or readmission to any student based upon prior conduct and/or based upon prior illegal activity.

### Office of Institutional Assessment

The Oklahoma State Regents for Higher Education requires UCO to assess students for entrance into foundation courses, at the completion of general education courses, and at the point of graduation. Placement tests are administered by the Office of Testing Services in Thatcher Hall. Randomly selected student papers from required Core courses in English, history, and healthy life skills are scored by a team of faculty and graduate students to gauge student learning in the critical areas of written communication, critical thinking, and health and wellness in early general education courses. Within their major area of study, each UCO student is required to complete a Capstone Project. That work is assessed for both achievement of the student learning outcomes of the major discipline and the achievement of the general education outcomes of written communication and critical thinking. Assessment is also done through the Student Transformative Learning Record (STLR) of their learning related to the Central Six tenets of transformative learning: Discipline Knowledge; Leadership; Service Learning and Civic Engagement; Global and Cultural Competencies; and Health and Wellness. Students also participate in surveys in which they report their levels of engagement and their satisfaction with UCO programs and services.

For information regarding entry-level student assessment for admission to the University, contact the Office of Testing Services in Thatcher Hall, Room 319, (450) 974-2521 or e-mail [testingservices@uco.edu](mailto:testingservices@uco.edu). For all other questions concerning institutional assessment, contact Sarah Combs, director for Institutional Effectiveness, 405-974-3514, Room 213, Lillard Administration Bldg.

### Readmission

Former students who have not attended the University of Central Oklahoma for a period of one year or longer must be readmitted before enrollment. Central alumni who are hoping to take additional undergraduate courses must also reapply for admission. An application for readmission and official transcripts of all work completed since leaving UCO must be on file in the Office of Undergraduate Admissions to be considered for readmission.

A returning applicant must submit a non-refundable application fee with their Application for Re-admission. To obtain a re-admit application, apply by visiting the admissions and aid link on [www.uco.edu](http://www.uco.edu).

### Matriculation

\*The UCO Catalog in effect at the time of a student's initial enrollment shall govern the student's degree requirements. A student may not declare a major that has been subsequently inactivated, even if that major was active in a catalog year for which the student is eligible.

A student who maintains continuous enrollment (no absence of two or more years), but fails to complete degree requirements within ten years, will be required to meet requirements under a newer catalog.

Any student who has not attended UCO for two or more years is deemed to have broken matriculation and must meet degree requirements in effect at the time the student re-enrolls.

A student always has the option of following degree require-

ments established later than his/her date of matriculation at UCO. \*Concurrently enrolled high school students will claim the catalog year in which they become first time freshmen as defined by the university and the Oklahoma State Regents for Higher Education.

### Admission of Academically Suspended Students from Other System Institutions

Students with suspensions from other institutions may apply for probationary admission. To be considered for probationary admission, students must have met all other applicable UCO admission criteria at the time of first college admission. Application for admission on probation is not guaranteed and a committee will determine the student's potential for success. If admission is granted, limitation of hours and specific course mandates may be imposed as a condition for admission. Future enrollments will depend upon the student meeting retention grade point average requirements. If admission is denied, the decision of the committee is final for that academic term.

To apply for probationary admission following suspension from another institution, students must petition the Committee on Undergraduate Admissions and Academic Retention within prescribed deadlines. Petition forms are available online at <https://www.uco.edu/admissions-aid/files/admissions-appeal-form.pdf>. For more information please call (405) 974-2727.

### Resident Status

Prospective students are classified as in-state residents or out-of-state non-residents for admission and tuition purposes based on information provided on the application for admission and the applicant's academic history. Programs with enrollment limits may give priority admission or class enrollment preference to Oklahoma residents.

All students, except bona fide residents of Oklahoma, must pay the nonresident tuition fee in addition to other tuition and enrollment fees and must meet nonresident admission criteria. Active Uniformed Service/Discharged or Released from Active Uniformed Service for whom **Oklahoma is the Home of Record**, Members of the Active Duty Armed Services stationed in Oklahoma, Discharged or Released from Active Uniformed Service (Regardless of the Home of Record) -Is a person who was discharged or released from a period of not fewer than ninety (90) days of active duty uniformed service, less than five (5) years before the date of enrollment in the course(s) concerned, and is pursuing a course of education with educational assistance under Chapters 30 or 33 of Title 38 of the United States Code while living in Oklahoma, or **Military Reserve Member on Full-Time Active Duty** and their dependents are eligible for in-state tuition. They must provide a copy of their military orders, DD214, or Enlistment papers to be reclassified.

Any applicant presenting a transcript of credit from an educational institution outside of Oklahoma will be assumed to be a nonresident. It is the responsibility of each applicant to submit any questions about residence status to the Office of Undergraduate Admissions. A uniform policy concerning residence status exists for all state-supported institutions of higher education in Oklahoma. A residency packet must be completed to determine residency. The packet may be obtained at <https://www.uco.edu/admissions-aid/financial-aid/residency>.

## English Proficiency Requirement

Prior to admission, all applicants for whom English is a second language shall be required to present evidence of proficiency in the English language. The following are considered acceptable proofs:

- A. For applicants seeking admission by transfer from an accredited college or university in the United States, completion of twenty-four college semester hours with passing grades and meeting other transfer requirements.
- B. For a first-time entering student who has attended all high school years in an accredited high school in the United States, successful completion of the high school core requirements and meeting the requisite ACT or SAT score for admission to the university.
- C. For all other applicants for undergraduate admission, acceptable proof of English proficiency shall be:
  1. A score of 500 or higher on the TOEFL test. The test must have been taken at an "International" or a "Special" testing center and the score report submitted directly from the testing agency. The result of the TOEFL test administered "Institutionally" will be accepted only if administered at the University of Central Oklahoma or on the computer based test.
  2. An applicant not eligible under the provision above may furnish proof of a TOEFL score of 460 or higher or IELTS overall band of 5.0 plus proof of subsequent successful completion of a minimum 12 weeks of study at an English language school operated by an institution of higher learning or a private English language school approved by the Oklahoma State Regents for Higher Education.
  3. A score of 5.5 or higher on the International English Language Testing System (IELTS) under the Intensive English Program (IEP) option as an alternative for admission.

## Definition of Admission Terms

**ACT** - A standardized examination produced by the American College Testing program used for admission purposes. There are two types of ACT exams. One type of ACT exam is referred to as "national," meaning it was taken on a national test date. These dates are scheduled a year in advance with one exam being offered approximately every other month. The other type of ACT exam is referred to as "residual," meaning it is offered by a college or university on a regular basis, but not on the same day a national exam is scheduled. Residual ACT scores are only applicable at the institution where the test was administered and can only be taken once per November-October year. **NOTE: Only the national exam is acceptable for NCAA athletic eligibility and some academic scholarships. The ACT has four subtests, the sum of whose scores must meet the acceptable composite score.**

**SAT** - The Scholastic Achievement Test is a standardized examination produced by the College Board and used for admission purposes. It has two components (math score and verbal score) added together to form the combined score. The writing portion of the test is not considered in the admission decision.

**High School Class Rank** - The class rank is a comparison on where the student ranks academically versus the rest of the graduating class.

**High School Grade Point Average** - The grade point average is the average of all grades ("A" equating to 4.00 and "D" equating to 1.00) taken in the 9th through 12th grade. Honors weighting

will not be used in the calculation of the GPA because there is no equitable mechanism to include the honors premium. **EXCEPTION:** Additional weighting (1.0) will be added to GPA's of students who take the College Board Advanced Placement (AP) and higher level International Baccalaureate (IB) courses, when calculating the core course GPA for admission purposes.

## New Freshman Admission

Admission to the University of Central Oklahoma as a first-time freshman student is based on high school performance, standardized test results (ACT or SAT), and completion of specific high school curricular requirements. Oklahoma high schools may be accredited by either (1) the State Board of Education for Oklahoma, (2) the Higher Learning Commission, formerly the North Central Association of Colleges and Schools, or (3) the Independent Schools Association of the Southwest. Out-of-state high schools may be accredited by either the regional association or by an appropriate accrediting agency of the state in which the school is located.

To be admissible for regular study, an individual must have (1) graduated from an accredited high school or have earned a high school equivalency certificate based on the General Education Development (GED) tests and GED recipient's high school class must have graduated, (2) participated in the American College Testing program or a similar battery of tests, (3) met the curricular requirements shown below, and (4) met the following performance criteria:

Performance Levels for Admission to UCO		
Year	Test Scores	High School
	Composite ACT or Combined SAT	GPA and Class Rank
2020-2021	ACT 20 or SAT 1030	2.7 AND Upper 50%
	<b>OR</b>	
2020-2021	2.7 GPA in 15 unit high school core on final high school transcript	

The exact standardized test score will be specified annually by the Oklahoma State Regents for Higher Education. It will be based on the preceding three years' ACT scores of graduating seniors, if available, using Oklahoma norms. A concordance table will be used to determine SAT score equivalencies.

The GPA will be defined annually by the Oklahoma State Regents for Higher Education to correspond to the rank in class.

## Curricular Requirements for Admission to UCO\*

High School	Yrs	Class Subjects/Discipline of Study
*English	4	English (Grammar, Composition, Literature; should include an integrated writing component)
*Mathematics	3	Mathematics (from Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Pre-Calculus - (must have completed geometry and Algebra II) -, Calculus, Advanced Placement Statistics)
*Lab Science	3	Lab Science (Biology, Chemistry, Physics or any Lab Science certified by the school district; general Science with or without a lab may not be used to meet this requirement.)



History and Citizenship	3	History and Citizenship Skills (including one unit of American History and two additional units from the subjects of History, Economics, Geography, Government, Non-Western Culture)
Additional	2	Additional units of subjects previously listed or selected from: computer science, foreign language, or any Advanced Placement course except applied courses in fine arts.

## Remediation of Curricular and Performance Deficiencies

New freshmen and transfer students who have not completed the core curriculum requirement in high school listed under NEW FRESHMAN ADMISSION or who have not demonstrated performance proficiency requirements will be considered deficient and must remediate these deficiencies as follows:

1. If a student has deficiencies in English, Math, Science or Reading, the student may do one of the following:
  - a. Submit an ACT national subscore or UCO residual ACT subscore of 19 or above in the curricular area in which the deficiency exists. (ACT scores must be less than five years old.)
  - b. For English, Reading, and Science deficiencies, take the College Placement Test (CPT); for Math deficiencies, take the ALEKS and make the appropriate score in the curricular area in which the deficiency exists.
  - c. Take and pass the designated 0 - level course(s) in the curricular area in which the deficiency exists. (0 - level courses do not count as college credit and are not computed in the GPA.)
2. To remediate the other deficiencies, the student must take an extra 3 credit hour college level course in the area in which the deficiency exists.

First-time freshmen must remediate all basic skills course curricular deficiencies and demonstrate a minimal level of proficiency in the subject areas of English, Math, Science and Reading within 24 credit hours attempted at UCO. Transfer students must remediate all basic skills course curricular deficiencies and demonstrate a minimal level of proficiency in the subject areas of English, Math, Science and Reading within the first 12 semester credit hours at UCO.

**If the student fails to remediate the deficiency in the designated time, the student will not be allowed to enroll in any course except the course(s) required to remediate the deficiency.**

## Special Admission Programs

Students who do not qualify under previously stated academic and curricular requirements may be considered for admission under one of the following categories.

### A. Alternative Admission

The University of Central Oklahoma may admit a **limited number** of first-time freshmen who do not meet the established criteria for regular freshman admission.

Admissibility is determined by the University of Central Oklahoma's Committee on Undergraduate Admissions and Academic Retention. This determination is based on the applicant's ability to demonstrate a reasonable expectation for academic success, an unusual talent or ability in art, drama, music, sports, or the like, or if the student is educationally or economically disadvantaged and shows promise of being able to succeed in a program or cur-

riculum offered at UCO. The decision of the committee is final for that academic term.

Students interested in the alternative admission program must complete an alternative admission appeal packet. Information concerning the appeal process is available at <https://www.uco.edu/admissions-aid/get-more-information/frequently-asked-questions#dontmeet>. For more information please call (405)-974-2727

### B. Adult Admission

Students, 21 years of age or older, who have attempted six or fewer collegiate hours may be admitted by achieving the required scores on the institutional placement exam administered by the University. Transfer students are not eligible for adult admission.

Students not regularly admissible who are interested in the adult admission program should contact the Office of Undergraduate Admission at (405)-974-2727 for additional information.

### C. Home Study or Unaccredited High School Graduates

Graduates of private, parochial, or other non-public high schools not accredited by a recognized accrediting agency are eligible for admission if they:

1. Submit an official transcript or document reflecting graduation (the corresponding public high school class must have graduated);
2. Take the ACT or SAT exam and achieve a 20 or higher composite score on the ACT or a 1030 or higher combined (Evidence based reading and writing and Math) SAT score;
3. Satisfy the high school curricular requirements listed for freshmen, as certified by the school, or for home study, the parent.

### D. Concurrent Enrollment of High School Students

1. High school junior and senior level students who are enrolled in an accredited high school may be admitted provisionally to the University of Central Oklahoma if the student:
  - a. Has taken the ACT exam.
  - b. Has achieved a composite ACT test score of at least 20 OR a high school GPA of 3.0, or a 1030 combined SAT score (Evidence based reading and writing and Math) and is ranked in the top 50% of his/her high school class.
  - c. Is eligible for spring graduation from high school and will satisfy curricular requirements for college admission;
  - d. Has submitted the Application for Concurrent Enrollment, high school transcripts, Wellness Center Waiver, Concurrent Approval Form, and admission test scores. The application may be obtained at [www.uco.edu/apply](http://www.uco.edu/apply).
2. Home Study or Students from Unaccredited High Schools: Home schooled students and students from unaccredited high schools shall have completed enough high school coursework to be equivalent to an individual who is classified as a junior or senior at an accredited high school. In addition, home school or unaccredited high school students cannot be admitted by high school GPA; they must meet the ACT or SAT requirements

High school students admitted concurrently may enroll in a combined number of high school and college courses per semester not to

exceed a full-time college course load of 19 semester credit hours. For purposes of calculating course load, one-half high school unit shall be equivalent to three semester credit hours of college work.

Students admitted under this policy may enroll in a maximum of nine semester credit hours during the summer session without being concurrently enrolled in high school classes.

Concurrently enrolled high school students are required to see an undergraduate academic advisor. High school students enrolling concurrently in off-campus classes, such as One Net, may only enroll in liberal arts and sciences courses. Concurrently admitted high school students may only enroll in curricular areas in which they have met the ACT assessment requirements for college placement. Concurrently admitted high school students will not be allowed to enroll in any developmental (0-level) courses offered at Oklahoma colleges and universities designed to remove high school deficiencies nor be allowed to take secondary institutional assessments.

A high school student concurrently enrolled in college courses may continue concurrent enrollment in subsequent semesters if they achieve a college cumulative grade point average of 2.0 or above on a 4.0 scale. Following high school graduation, a student who has been concurrently enrolled as a high school student may be admitted to the original institution of concurrent enrollment or another institution in the State System if the student meets the entrance requirements of the receiving institution, including the high school curriculum requirements, and will be subject to the State Regents' retention standards. For more information, please see the Academic Retention Standards section

#### **E. Exceptional Student/Opportunity Admission**

The University of Central Oklahoma will determine admissibility of exceptional students who have not graduated from high school based on test scores, evaluation of the student's level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of the student intellectually and socially. Exceptional students may apply for opportunity admission if they have admission test scores as follows:

1. Composite standard score of 32 on the ACT which places them at the 99th percentile using Oklahoma norms **OR**
2. Combined verbal and mathematical score of 1400 on the SAT, which places them at the 99th percentile using national norms.

#### **F. Summer Provisional Admission**

Students who have a 2.5 high school GPA and no curricular deficiencies, or a composite 17 on the ACT test may be admitted if they successfully complete summer coursework with C or better grade(s). Enrollment is restricted to the summer session immediately following the student's high school graduation. Students must take one college level course in math and one college level course in English. A performance deficiency in either math or English will eliminate the applicant from consideration for this program. If such credit in math or English has previously been earned, the student must enroll for an additional course in social science, natural science or humanities.

#### **G. Summer Curricular Deficiency Program**

Students who have met the performance requirements but have two or less curricular deficiencies may be admitted if they successfully complete summer coursework with C or better grade(s).

#### **H. Special (Non-Degree Seeking) Students**

Students who wish to enroll in courses without intending to

pursue a degree at the University of Central Oklahoma may be permitted to enroll in up to nine credit hours without submitting academic credentials or meeting the academic curricular or performance requirements of the University of Central Oklahoma. Academic retention standards and basic academic skill requirements will be enforced. Poor academic performance could result in academic probation or suspension. Students admitted under this category are not eligible for Financial Aid. Once students have successfully completed the maximum number of credit hours allowed, should they wish to enroll in additional course work, they will be required to apply for admission as a degree seeking student, pay the application fee and fully meet UCO's formal admission and/or transfer admission requirements.

#### **I. International Student Admission and Admission of Students for Whom English is a Second Language**

At the University of Central Oklahoma the Office of Global Affairs serves both international students and students for whom English is a second language. International students transferring from United States universities must be in proper status with the U.S. Citizenship and Immigration Services (USCIS) Any F-1 visa holder who has been out of school for a semester or who has been a part-time student must file for a reinstatement of visa status with the USCIS prior to initial enrollment and must receive USCIS approval for the subsequent semester's enrollment.

Students for whom English is a second language are required to present evidence of proficiency in the English language prior to admission.

#### **J. Admission of First - Time Entering International Students**

The University of Central Oklahoma will admit international students who graduate from high schools outside the United States and its possessions provided they:

1. Are eligible for further study on a comparable level in their own countries;
2. Furnish satisfactory proof of proficiency in English;
3. Meet equivalent academic performance standards as listed for new freshman admission;
4. Supply the Office of Global Affairs with all documents required by that office for admission;
5. Meet the deadlines for application as outlined in the international student application packet;
6. Supply a cash or check deposit if requested by the University. (This deposit will be used for room and board, tuition, fees, books, health insurance, and other related university expenses until it is exhausted.) Provide payment of application fee and international mailing charge as required.

After the above six requirements have been completed, the immigration form will be sent to the prospective student.

#### **Admission by Transfer**

A transfer student is defined as any undergraduate student with greater than six attempted credit hours from another institution at the time of admission, excluding remedial (0-level courses) or pre-college work, and excluding credit hours accumulated while concurrently enrolled in high school.

Prior to enrolling at the University of Central Oklahoma, applicants must submit official transcripts from their high school(s) and all colleges in which they have been admitted or enrolled.

- A. Students classified as Oklahoma residents who wish to transfer to the University of Central Oklahoma may do so if they can satisfy the following conditions:
  1. Meet all the curricular and performance requirements.

- The performance standards are listed in the Retention Policy.
2. Meet the UCO academic retention standards (The academic retention standards are listed in the Retention Policy).
  3. Are in good standing at the institution from which they plan to transfer.
- B. Nonresident students who wish to transfer from an out-of-state college or university to the University of Central Oklahoma must:
1. Meet all curricular and performance requirements.
  2. Provide official transcripts from all accredited colleges and universities (accredited by the Higher Learning Commission or other regional associations). In addition:
    - a. Nonresident applicants must be in good standing at the institution from which they plan to transfer.
    - b. Nonresident applicants must have a retention 2.0 grade point average at institutions previously attended.
  3. Under certain circumstances, transcripts from institutions not accredited by a regional association may be considered by the Director of Admissions as a basis for admission or for transfer credit articulation. The University will consider the acceptance of credit practices in each state of the institution responsible for reporting their practices to the American Association of Collegiate Registrars and Admissions Officers to determine acceptance of transfer credit. The following conditions will also apply:
    - a. Nonresident applicants must be in good standing at the institution from which they plan to transfer.
    - b. Nonresident applicants must have a minimum retention grade point average of 2.0 at institutions previously attended.
    - c. Applicants will be required to validate the transferred credit by making satisfactory progress (an average of "C" or better) for at least 12 semester hours at UCO.
    - d. Only courses appropriate to the student's degree programs will be accepted as transfer credit.
    - e. When courses cannot be accepted, an applicant's admissibility will be determined on the basis of other transfer work; or if they have not previously attended a regionally accredited or State Regents' accredited institution, admission will be as a first-time student.

### Transfer Probation

Applicants who do not meet the performance or curricular criteria for transfer admission may be considered for transfer probation admission. Applicants who have been recently suspended from any college or university must apply through the committee on Undergraduate Admissions and Academic Retention. Prior to enrolling at the University of Central Oklahoma, applicants must submit official transcripts from all colleges in which they have been admitted or enrolled.

Students admitted under this provision will be on academic probation and must maintain a 2.0 GPA each semester while on probation or they will be academically suspended.

Students admitted with curricular deficiencies must resolve

those deficiencies within the first 12 hours of enrollment at UCO. All students admitted on transfer probation are required to meet with their academic advisor to be advised of available academic support services and applicable academic policies. These students may have specific academic course requirements prescribed as a condition of admission and enrollment.

### Articulation Policy for Transfer Credit

A student who completes a post-baccalaureate, baccalaureate, Associate of Arts, or Associate of Science degree at any Oklahoma State Regents for Higher Education institution may transfer into a UCO baccalaureate program with general education requirements met. Associates of Applied Science degrees do not fulfill general education requirements. Additional courses may be required as prerequisites for a major or to meet certain professional certification requirements as defined by the state. Responsibility to assure all university core curriculum requirements are met for the first degree granted rests with the transferring institution, i.e., the institution from which the student received the transferred degree. General education credit earned at regionally accredited colleges or universities within the Oklahoma state system will apply toward the basic (OSRHE minimum) general education component at UCO in the same way the credit would apply at the institution at which it was earned. Degrees from institutions without U.S. regional accreditation are not recognized.

Course work earned as a part of AA/AS degrees (Associate in Arts/Associate in Science) awarded from institutions carrying U.S. regional accreditation but outside the state system (domestic or international) will be evaluated on a course-by-course basis in accordance with university transfer policies.

Course work earned as part of an AAS degree (Associate in Applied Science) or other academic degrees (e.g. Associate in General Studies, Associate in Fine Arts) from institutions carrying U.S. regional accreditation will be evaluated on a course-by-course basis in accordance with university transfer policies.

The University core curriculum/general education requirements will be considered complete for individuals holding a baccalaureate degree awarded from an institution carrying U.S. regional accreditation.

A minimum of 60 semester hours of course work, excluding physical education activity courses, applied toward the bachelor's degree must be earned at a senior (baccalaureate granting) institution.

Credit earned at a community college cannot be applied toward satisfying the minimum hours of upper division (3000/4000) credits required in a major or a bachelor's degree from the University of Central Oklahoma. Upper division requirements relate to junior and senior level (3000/4000) courses of study.

Transfer credits are accepted and applied to degree programs generally in accordance with the recommendations in the *Transfer Credit Practices Guide* published by AACRAO (American Association of Collegiate Registrars and Admissions Officers). Consequently, credits from some technical colleges and professional schools may not be applicable toward degree requirements at UCO due to the highly technical or specialized nature of the course work.

UCO also reserves the right to accept transfer course work using the same grading practices as if the work was earned in residence at UCO.

The Undergraduate Academic Advisor has the authority to articulate transfer coursework for areas in which s/he is the designated advisor. The Advisor will assure the decision is not in conflict with the Oklahoma State Regents for Higher Education's Transfer Course Equivalency Matrix.

### Academic Forgiveness Policies

Academic Forgiveness recognizes students may have experienced extraordinary circumstances which adversely affected their early academic grade point average. The intent of the policy is to assist students toward obtaining a degree without having to complete a large number of extra courses simply to raise the GPA. Courses/semesters warranting academic forgiveness will be excluded from Graduation/Retention GPA calculations but will remain on the transcript. The University of Central Oklahoma recognizes two methods for the undergraduate student to recover from academic problems in ways which do not forever jeopardize his or her academic standing: the Repeated Course Policy and the Academic Reprieve Policy.

### Repeated Course Policy

Students may repeat up to four (4) courses not to exceed eighteen (18) semester credit hours of "D" or "F" grades and have the first attempt excluded from Retention GPA calculations. Only the first four courses repeated will be considered for GPA forgiveness. Courses eligible for GPA forgiveness repeated more than once will have all grades after the first attempt calculated in all GPAs. All repeated courses will appear on the transcript and be counted in the Cumulative GPA.

It is the student's responsibility to report repeated courses to the advisor on a "course repeat form." Unless the form is received, all courses attempted will contribute to the Graduation/Retention GPA. The request for a repeated course form may be obtained at <https://www.uco.edu/admissions-aid/advisement/> under "Forms."

The Registrar reserves the right to adjust a student's transcript whenever a repeated course is discovered that has not been reported by the student. This could result in a student being ineligible for graduation or other recognition if the adjustment of the record results in reducing the student's total number of credit hours or if the grade point average falls below required levels.

Students who do not utilize repeat provisions during their first bachelor's degree may request repeat forgiveness for eligible courses upon continued undergraduate enrollment. Forgiveness will not change the graduation GPA of a formerly conferred degree.

### Academic Reprieve Policy

The Academic Reprieve Policy allows undergraduate students to have one semester or two consecutive semesters which were below a 2.00 GPA to be excluded from the Retention GPA calculations provided all of the following conditions are met:

1. At least three years must have elapsed between the period in which the grades being requested to be reprieved were earned and the date of the reprieve request. The reprieve semesters grade point average must be below a 2.00.
2. The student must have earned a GPA of 2.00 or higher with no grade below a "C" in all regularly graded course work (a minimum of 12 hours).
3. The student must be currently enrolled at UCO or seek-

ing admission/readmission as an undergraduate degree seeking student at UCO. In all cases, no reprieve will be posted to the UCO transcript until the student has successfully completed 12 semester hours in residence at UCO with no grade below a "C". If a grade less than "C" is earned before the first twelve hours after the semester(s) to be reprieved, then the request for reprieve is denied unless the course has been repeated under the Repeated Course Policy and a minimum grade of "C" has been achieved.

4. Students may receive only one academic reprieve during their entire academic career.
5. UCO does not recognize academic reprieves from other institutions.

### Effects of a successful request for a reprieve:

1. Students who successfully completed a course (grade of "D" or better) during a reprieved semester and whose course grade in the reprieved semester had previously applied toward graduation requirements may need to complete additional course work to meet minimum credit hour requirements but will not be required to repeat the specific course(s).
2. The institution may choose to reprieve only one semester if the student's request is for two consecutive semesters.
3. Once a reprieve is granted, it is permanent and UCO will not accept student requests for changes. UCO reserves the right to revoke reprieved semesters if they were awarded in violation of policy or based on incomplete or falsified information.

### UCO will not grant a reprieve for students who:

1. Have already received a bachelor's or higher degree from UCO or any institution;
2. Are attending, or seeking admission to another institution (in-state or out-of-state).

### Academic Renewal

UCO does not offer nor does it recognize academic renewal from other institutions.

### International Student Transfer Admission

Transfer students from universities outside the United States and its possessions must meet all applicable requirements for admission of first-time entering international students as stated in the international student application packet.

Transferring students ( F1 and J1 status ) from U.S. universities must be in good standing with immigration and financial status prior to any request for transfer. Enrollment of such students will be pending upon the transcript of the final semester and SEVIS release. For additional information contact The Office of International Services at (405) 974-2390.

### I.D. Cards

All entering students must have an identification (I.D.) card which will be issued the first semester of enrollment and will be used as long as the student is actively pursuing a degree at the University of Central Oklahoma. The I.D. card is required for completion of many business transactions, as well as for use of certain facilities on campus.

Students are charged the \$25.00 I.D. fee when the I.D. card is issued. The fee is automatically applied to the student's bursar

account. Students must go to the Campus Card Services Office, Nigh University Center, Room 222A, to have their pictures taken. Student must provide an authorized picture identification (i.e., driver's license, passport, military I.D. card). Sunglasses and any item covering the hair must be removed for the picture.

A replacement fee of \$25.00 will be charged for a new I.D. card.

## Admission to Teacher Education

Students at the University of Central Oklahoma who expect to become candidates for the Bachelor of Arts in Education, the Bachelor of Science in Education, Bachelor of Fine Arts in Education, or the Bachelor of Music Education degrees (or otherwise qualify to teach) are required to make formal application for Admission to Teacher Education during their sophomore year (enrolled in or completed 40 semester hours and meeting criteria below) to the Council on Teacher Education. Application must be made according to published dates. No late applications will be accepted. There is one round of Teacher Education applications in each of the fall and spring semesters. Candidates must be admitted to the teacher education program to enroll in restricted major and professional courses.

Conditions for admission to teacher education effective Fall 2019 are:

**Please note: All candidates for the Bachelor of Arts in Education, Bachelor of Music Education, Bachelor of Fine Arts Education, Bachelor of Science in Education degrees or who are attempting to qualify for any teaching certificate are required to apply for admission to teacher education. They must meet the requirements listed below. Once admitted, candidates must maintain all requirements.**

1. Achieve a minimum cumulative grade point average of 2.75 in all courses completed at UCO and other colleges or universities at the time of application. However, if the teacher candidate's overall GPA is less than 2.75, the teacher candidate may qualify for admission to Teacher Education if the following criteria are met:
  - a. Have a minimum GPA of 3.00 in the last 30 hours completed.
  - b. OR If the teacher candidate is concurrently enrolled in coursework at UCO at the time of application and will be able to obtain an overall GPA of 2.75 OR achieve a minimum GPA of 3.00 in the last 30 hours completed, the application will be considered "Pending Approval" until the individual has achieved the GPA requirement.
2. All coursework taken in the degree certification major or common courses required for majors must be completed with no grade lower than "C" OR if concurrently enrolled in the same coursework in which the teacher candidate has achieved a grade lower than a "C," the application will be considered as "Pending Approval" until a grade no lower than a "C" is achieved.
3. All coursework taken in Professional Teacher Education must be completed with no grade lower than "C," OR if concurrently enrolled in the same coursework in Professional Teacher Education in which the teacher candidate has achieved a grade lower than a "C," application will be considered "Pending Approval" until a grade no lower than a "C" is achieved.
4. Successfully completed 40 hours of college credit, OR if concurrently enrolled in coursework to meet the 40 hours at the time of application; the teacher candidate will be considered

"Pending Approval" until a total of 40 hours of college credit hours have been completed.

5. Completion of PTE 3023 (or concurrent enrollment).
6. Demonstrate a proficiency in written and oral English as indicated by having a grade of "C" or better in six hours of English Composition (ENG 1113 & 1213, or ENG 1153 & ENG 1223), OR if concurrently enrolled in the same English course in which the teacher candidate has achieved a grade lower than a "C," the application will be considered "Pending Approval" until a grade no lower than "C" is achieved.
7. Early Childhood, Elementary, and Special Education majors must successfully complete 4X12 requirements with a grade of "C" or better to graduate and/or be certified to teach in the State of Oklahoma.
8. Submit Code of Ethics in D2L as instructed by Teacher Education Services.
9. Pass the Oklahoma General Education Test (OGET) prior to submission of application, OR if the teacher candidate is scheduled to take the OGET exam during the semester of application, the application will be considered "Pending Approval" until documentation is received showing a passing score OR submit documentation of:
  - a. a composite score of 22 or higher on the ACT with the writing section included OR
  - b. a total score of 1120 or higher on the SAT including the following scores on the essay section: 5 or higher on Reading, 4 or higher on Analysis, and 5 or higher on Writing.
10. Schedule an interview with a program coordinator and/or faculty member to review his/her plans, program requirements, etc. The program coordinator or faculty member will submit a verification of the interview to Teacher Education Services (TES).
11. Complete electronic background check through the designated UCO vendor. Background checks must be cleared and are valid for one year.
12. Receive formal approval by the Council on Teacher Education.

## Admission to Student Teaching

All students desiring to student teach are required to make formal application to the Council on Teacher Education for admission to student teaching. Applications must be submitted no later than Friday of the fourth week of the fall semester to enroll in student teaching for the next fall semester. In other words, the teacher candidate planning to student teach in Fall 2021 must apply in Fall 2020. Periodically, admission to student teaching guidelines and requirements change. It is the responsibility of the individual seeking admission to student teaching to meet requirements that are in place at the time of application to student teach. Therefore, individuals should review the most recent UCO catalog and teacher education handbook to determine the most current admission to student teaching requirements.

Conditions for admission to student teaching effective Fall 2019 are:

- A. Admitted to Teacher Education OR submission of concurrent application.
- B. Continuation of meeting the standard prerequisite for admission to teacher education:
  1. Achievement of a minimum grade point average of 2.75

in all subjects completed at UCO or other colleges or universities to the time of application with no grade lower than "C."

OR

Achievement of a minimum grade point average of 3.0 in the last 30 credit hours completed.

- C. Complete the following courses prior to student teaching:
- |                |   |
|----------------|---|
| PTE 3023       | Foundations of American Education/<br>Clinical Experience |
| PTE 3133/53/63 | Child/ Adolescent/ Developmental<br>Psychology            |
| SPED 4123      | Teaching Individuals with Disabilities                    |
| PTE 4533       | Contemporary Learning Sciences                            |
| PTE 4172       | Education Assessment                                      |
- D. Complete 3 hours of speech communication with no grade below a "C" (MCOM 1113).
- E. Complete three-fourths of the course work required in the currently declared major in which student teaching is to be completed. For early childhood, special education, and elementary majors, the 4 x 12 support courses are considered part of the major.
- F. Maintain a grade of "C" or better in all major and PTE coursework taken. For early childhood, elementary, and special education majors a grade of "C" or better must be achieved in the support courses (4 x 12).
- G. Complete all methods course(s) in the area of specialization in which the student plans to student teach prior to the student teaching semester.
- H. Complete and document the Foreign Language Proficiency requirement (novice-high level--speaking and listening only) in one of the following ways:
1. High School Course Work -- Complete two or more years of the same foreign language in high school with an average GPA of 2.75 or higher across these courses and no grade lower than "C."
  2. Testing – Pass the CLEP test in a foreign language to demonstrate competency.
  3. Native Speaker – Demonstrate this competency through an interview as determined by members of UCO's Department of Modern Languages in conjunction with Teacher Education Services. (Contact Teacher Education Services for more information.) Candidates may be referred to appropriate university personnel or another institution for competency testing in these languages.
  4. UCO College Course Work – Complete a course in a foreign language (e.g., FRCH 1114 or GERM 1114 or SPAN 1114) and attain a grade of "C" or better.
  5. Transfer College Course Work – Complete foreign language course work at another institution and submit a course description and a transcript indicating that a grade of "C" or higher indicates novice-high level competency.
  6. Sign Language – Complete SPED 4910 – Seminar: American Sign Language or a comparable college level course with a grade of "C" or better. Students who wish to demonstrate competency in Sign Language should see the Chair of the Donna Nigh Department of Advanced

Professional and Special Services in LIB 315 or call (405) 974-5283 for additional information.

- I. Complete a minimum of 60 hours of clinical experience prior to student teaching.
- J. Complete an electronic Background Check through the designated UCO vendor or provide documentation of completion within the last year. This check must document that there have been no conviction(s) of a felony, any crime involving moral turpitude, or a felony violation of the narcotic laws of the United States or the State of Oklahoma.
- K. Complete and maintain artifact requirements for all courses taken up to the point of admission to student teaching.
- L. Take the following certification tests prior to student teaching and provide documentation to the TES office prior to the first week of student teaching:
  - a. Oklahoma Subject Area Test (OSAT) in major or area of specialization.
  - b. Oklahoma Reading Test (ORT) for special education majors only
  - c. Oral Proficiency Interview (OPI) for modern languages education majors only

Have the recommendation for continuation in the teacher preparation program (student teaching) section of application signed. Students must receive approval of the chairperson of the department or his/her designee in the major field. Receive formal approval by the Council on Teacher Education. Written approval will be provided after the Council on Teacher Education has met, verified that requirements have been met, and approved the individual student's application.

Periodically, admission to student teaching guidelines and requirements change. It is the responsibility of the individual seeking admission to student teaching to meet requirements that are in place at the time of application to student teach. Therefore, individuals should review the most recent UCO catalog and teacher education handbook to determine the most current admission to student teaching requirements.

## Teacher Certification

### Certification Procedures for Persons Graduating In-State and General Regulations for Eligibility

Compliance with certification requirements is the responsibility of the individual seeking certification. Advisors can assist in the process, but compliance with all rules and regulations pertaining to certification is the responsibility of the candidate.

The individual seeking certification is responsible for following all guidelines presented in the University of Central Oklahoma undergraduate catalog or graduate catalog, depending upon the academic level of the certificate sought. Graduate level certificates require graduate level course work and completion of a master's degree for standard certification. Bachelor level programs require the completion of an educational bachelor's degree for standard certification.

Periodically the program guidelines, course work, and state regulations change. It is the responsibility of the individual seeking certification to meet the revised standards. An individual should therefore review the most recent UCO catalog, certification course

lists, and state regulations, particularly when an extended period of time has elapsed during the completion of a program.

### Program Procedures and Guidelines for Certification

The University of Central Oklahoma Teacher Education Services office is located in the Education Building, Room 207, (405) 974-5447. Applications and other information regarding certification may be obtained from that office. Applications for certification based on the completion of University of Central Oklahoma approved programs are processed through Teacher Education Services.

To obtain certification, the individual must:

1. Complete all courses identified for general education and the respective professional education and specialized areas.
2. Contact the appropriate department chairperson regarding the course work for the respective program, particularly if it seems likely that some courses previously completed could substitute for required courses in the program. Official substitution forms should be completed where courses, based on their titles, do not seem to match. If course names and levels from different institutions are determined by the chairperson to be equivalent, substitutions are NOT necessary.
3. Complete the process for being admitted to the Teacher Education program by following the procedures and guidelines enumerated earlier in the section entitled "Admission to Teacher Education."
4. Complete the student teaching process following the procedures and guidelines enumerated earlier in the section entitled "Admission to Student Teaching." Guidelines are also available in Teacher Education Services.
5. Apply to take the appropriate state certification examinations according to UCO guidelines and suggested the timeline. Application is made on the examination website at [www.ceoe.nesinc.com](http://www.ceoe.nesinc.com). (See Certification Examinations)
6. Must have successfully completed the requirements for all courses, including class and student teaching, artifacts, at time of application for licensure.
7. After completing certification requirements and all applicable course work has been posted on the UCO transcript, including degree, if applicable, obtain an application for recommendation for the initial certification from Teacher Education Services.
8. Applicants must submit the application for recommendation and an official transcript with the degree posted to Teacher Education Services.
9. Effective November 1, 2001, Oklahoma requires applicants for initial teacher certification to have on file with the Oklahoma State Board of Education a current OSBI and FBI fingerprint-based criminal history record. Contact the Oklahoma State Board of Education for more information regarding fingerprints and the OSBI background check. [www.ok.gov/sde](http://www.ok.gov/sde)
10. When the Certification Officer at UCO completes the review of course work with respect to the appropriate UCO approved program requirements, certifies that those requirements have been completed, and receives agree-

ment from the Dean, the application is then forwarded to the Teacher Certification Section of the State Department of Education.

### Initial Issuance of a Certificate

The State Board of Education shall issue a teaching certificate to any person who completed his/her initial teacher education program after July 2010, and who meets all of the following requirements. (If the individual completed his/her initial teacher education program prior to February 1, 1982, he/she should contact the State Department of Education regarding certification requirements):

1. Has successfully completed all training and courses required by the State Board of Education based on the guidelines and program in effect at the time of application for certification.
2. Has graduated from an accredited four-year college or university and holds the standard baccalaureate degree (Those seeking career-technical certificates should verify requirements with the Oklahoma Department of Career and Technology Education).
3. Has received a passing score on the certification examinations.
4. Has made application to Teacher Education Services in EDU 207 and paid the appropriate application fee for each class of certificate sought.
5. Has received recommendation from the preparing institution for the certificate desired if the teacher preparation work was completed in Oklahoma. The State of Oklahoma certificate application form must be signed by the Coordinator of Teacher Certification.
6. Has met all other requirements as may be established by the State Board of Education.

### Issuance of a Certificate for Additional Certification Areas

Individuals who currently hold a valid Oklahoma certificate who desire to add an additional specialization area by testing must complete the following:

1. Satisfactorily complete the applicable state certification examination(s).
2. Make application for the new certificate through the State Department of Education.

Other criteria may be required for those who want to obtain additional certification in Elementary, Early Childhood, or Special Education. Those interested are encouraged to check with the Teacher Education Services office for specific information. For advanced certification requiring a master's degree, see the current graduate catalog.

### Teaching Certificate Definitions and Overview

For certification to be received, an individual must hold a bachelor's degree and have completed the course requirements in professional education and in the area specialization, and have received a passing score on the applicable state certification examination(s). Certificate - All teachers who meet the requirements of an approved certificate program after January 31, 1982, and have zero [0] years of experience as a classroom teacher shall receive this initial entry-level document. Application is made through the recommending university, and the certificate is valid for five years

### Residence Requirement

In order for the University of Central Oklahoma to recommend candidates for certification, the candidates must meet all requirements for teacher education. In addition, candidates must complete at least their last 24 semester hours in the area of specialization (the teaching field) and professional education at UCO. These 24 semester hours must include the following:

- PTE 4901 Practicum in Professional Teacher Education  
(If Contemporary Learning Sciences is taken elsewhere)
- PTE 4853 Classroom Management and Instruction
- PTE 4811 Contemporary Issues
- PTE 4828/38/48 Directed Observation & Student Teaching

Neither CLEP tests, nor advanced standing tests, nor teaching experience can be used to meet the UCO residency requirements.

### Certification Examinations

The individual seeking certification must satisfactorily complete the Certification Examinations for Oklahoma Educators. The state certification examinations are administered six times each year on a set schedule with advanced registration required. Three different exams are required:

1. The Oklahoma General Education Test (OGET) must be passed for Admission to Teacher Education.
2. The appropriate Oklahoma Subject Area Test (OSAT) must be passed prior to the student teaching semester.
3. The Oklahoma Professional Teaching Examination (OPTE) or PPAT specific to the teaching level of the certificate sought must be passed for a certification recommendation.

Applications and study guides for state certification examinations are available from National Evaluation Systems online at <https://www.ceoe.nesinc.com/>. The UCO Library also provides copies of study guides as well as practice exams available for checkout.

### College Credit

Only work completed in state and regionally accredited colleges and universities, or transfer credit validated by an accredited college, will be accepted as a basis for teacher certificates. In order for the applicant to be eligible for certification, the grade point average of the applicant on all work submitted in qualifying for teacher certification shall be equal to or greater than that required for admission to the Teacher Education program at the University of Central Oklahoma.

Candidates transferring credit from out-of-state colleges or from Oklahoma colleges not having an approved program for a specific certificate area to an Oklahoma college or a university having an approved program in that certificate area shall have their work evaluated by the receiving institution. Transferring candidates shall expect to satisfy all requirements imposed by the approved program of the receiving institution in qualifying for certification.

The amount of college credit earned during one year, including correspondence and extension work, which can be used to meet certification requirements will be controlled by the rules and regulations of the college or university. However, not more than one-fourth of the work completed to satisfy requirements in any area of preparation (general education, professional education, specialization) nor more than one-fourth of the total academic work completed may be taken by correspondence and/or extension study.

### Work Completed In Community Colleges

Only 64 semester hours of credit taken in an accredited community college may be counted toward satisfying the general education and specialized education requirements of an approved certificate program. Work taken in an accredited community college after achieving sixty-four (64) or more semester hours may count toward certification in the areas of general education and specialized education providing the following guidelines are met:

- A. The course work is lower division work as determined by the course level assigned to the course by the four-year institution that will make recommendation for certification. If UCO designates a course as a junior or senior level course (3000 or 4000 level), then a comparable course completed at a junior college will NOT substitute for the course in the UCO approved teacher certification program.
- B. The course work is applicable in meeting the approved program of certification at the recommending institution.
- C. The course work CANNOT include any early childhood or elementary specialization area courses (this refers to the 40 hours of specialization).
- D. The course work CANNOT include any professional education courses (this refers to courses in the 28-31 hours in professional teacher education).
- E. The course work is counted in lieu of an equal number of hours of the 64 already taken at a community college so that no more than 64 semester hours, in total (including all general education), are being counted from community colleges.
- F. The last nine semester hours of credit in the area of specialization were completed in an institution having an approved teacher certification program in the area of concern. Community colleges do not have state approved teacher certification programs.

### Initial Teaching Certificate Programs Available through the University of Central Oklahoma

Art Education  
 Dance Education  
 Early Childhood Education  
 Elementary Education  
 English Education  
 History Education  
 Mathematics Education  
 Modern Language Education  
     French  
     German  
     Spanish  
 Music Education-Instrumental  
 Music Education-Vocal  
 Physical Education/Health  
 Science Education-Biology  
 Science Education-Chemistry  
 Science Education-General Science  
 Science Education-Physical Science  
 Science Education-Physics  
 Special Education-Mild/Moderate Disabilities  
 Special Education-Severe-Profound/Multiple Disabilities  
 Theatre/Communication Education  
 (For advanced programs, see the current graduate catalog.)



# *General Degree Information*

# General Degree Information

## Academic Advisement

The University of Central Oklahoma's Center for Undergraduate Academic Advisement is located in Room 121 of the Nigh University Center. Here, students can obtain information about the university's undergraduate degree programs. The center is staffed by professional academic advisors whose purpose is to assist with the development and achievement of students' academic goals. Advisors are excellent resources for academic information and decision making strategies. The College of Liberal Arts, the College of Business, and the College of Fine Arts and Design all have College Success Advisors located in their respective buildings. They can assist with degree planning and connecting students to transformative learning opportunities on campus.

It is the student's responsibility to select classes each semester. From the student's first enrollment at the University of Central Oklahoma, a goal of the enrollment process is to encourage personal and academic self-sufficiency and self-confidence. Students are encouraged to personally visit with their advisor at least once each semester.

The university catalog is the source of information for academic rules, regulations, procedures, and programs. Students are responsible for identifying and completing the requirements of their degree programs. Accuracy of the student's class schedule, as well as processing of withdrawals and schedule changes, is the student's responsibility.

## Declaring a Major

Students indicate their educational intentions on the application for admission. This educational intent or goal is discussed with the academic advisor, who assists the student in selecting a program or identifying related courses. An appropriate major code, reflecting the student's choice of program, is recorded in the student information system by the academic advisor.

Students wishing to change their major/degree programs or educational intentions meet with their academic advisor.

A student may earn a degree with multiple majors, multiple minors or a major and a minor. A minor cannot be earned with an Associates degree. See Academic Affairs policy 1.7 for more information.

A Bachelor of Science degree with a major in General Studies cannot be earned as a second degree, subsequent degree, dual degree part of a double major.

## Discontinued Major

A student has six years to complete a degree after a major/certificate/minor has been inactivated (deleted). A currently enrolled student may not declare a degree program that has been deleted, regardless of the student's catalog year. Students who have stopped out for two or more years may not be readmitted into a program that has been deleted. Exceptions to this policy may be considered on a case-by-case basis and require the approval of the Chief Academic Officer. UCO will make a reasonable attempt and use available contact information to notify students when a degree program is scheduled to be deleted.

## Catalog Applicability

The set of degree requirements needed for a student (graduate or undergraduate) to complete a degree is initially determined by the catalog in effect the first semester matriculated by the student. Students in consultation with the academic advisor may elect a more current catalog. All degree requirements in the effective catalog must be met. Students who have had a break in enrollment at UCO for two or more years (from the end of the last semester in which they were enrolled) will be required to meet current requirements when they return.

In no case shall the University of Central Oklahoma be obligated to make degree requirements in effect at the time of a student's first enrollment applicable to that student for more than 10 years.

## My Degree Plan (Degree Audit)

My Degree Plan is an individualized degree audit for students using their specific major and catalog year. Each Degree Plan report includes detailed information such as completed major requirements, courses applied to each requirement, semester courses completed, the grade in each course, and requirements that remain incomplete. The online Degree Plan can be a useful tool in the advisement process, but it is not an official degree check and should not replace other valuable university resources.

Students may view their individual Degree Plan online by clicking the My Degree Plan link under Registration Tools in <https://uconnect.uco.edu/> or by visiting the direct link at [mydegreeplan.uco.edu](https://mydegreeplan.uco.edu). An academic advisor can assist individual students with interpreting their Degree Plan.

## Academic Degree Requirements

General requirements for a bachelor's degree at UCO:

### A. Credit Hour Minimums:

1. 124 total college level semester hours.
2. 30 semester hours at UCO, exclusive of extra-institutional credit.
3. 15 of the last 30 semester hours applying toward a degree must be completed at UCO.
4. 60 semester hours, excluding physical education activity courses, must be earned from colleges that award bachelor's degrees (senior colleges/universities).
5. 40 semester hours, excluding physical education activity courses, must be at the upper division (3000 and 4000) level.
6. 15 semester hours of major courses must be at the upper division (3000 and 4000) level.
7. 10 semester hours in the major must be in residence at UCO.
8. 6 semester hours in each minor must be at the upper division (3000 and 4000) level and 6 semester hours must be in residence at UCO.

### B. Credit Hour Maximums:

1. Up to 4 of the 124 semester hours required for graduation may be physical education activity courses.
2. Up to 6 semester hours of workshop credit (courses numbered 3000 and 4920) may apply toward the degree.

### C. Double Counting of Courses:

1. Double counting or allowing courses to overlap from one area to another will be permitted in the following

undergraduate degree components: multiple degrees; double (or multiple) majors; multiple minors; a major and a minor; the university core curriculum and a major and/or a minor.

2. A course may not count in more than one area of the university core curriculum.
3. Double counting is not allowed between a General Studies major and another major or minor.
4. Double counting is not allowed between the university core curriculum and a major in General Studies.
5. Double counting does not reduce the total number of hours in general university requirements such as total hours required or upper division hours.
6. Double counting is not allowed between the Professional Teacher Education (PTE) component and the corresponding major requirements of the degree.

**D. Other Regulations:**

1. Extra-institutional examination credits such as CLEP, AP, etc., are not considered residence credit at UCO.

**E. Computer Proficiency:**

Students admitted after Fall 1998 must demonstrate computer proficiency as defined by the Oklahoma State Regents for Higher Education.

**F. Minimum Grade Point:**

Each degree program in the UCO undergraduate catalog specifies minimum grade point averages for: (1) major course work, and (2) total coursework, exclusive of physical education activity courses. All programs require a minimum 2.00 GPA for all UCO courses taken, unless otherwise specified at a higher GPA.

## Second Bachelor's Degree

Students may become eligible for a second or an additional bachelor's degree that differs from each previously awarded degree (as defined by the University of Central Oklahoma) by meeting the degree requirements listed under the Academic Degree Requirements section of the undergraduate catalog in addition to all applicable course work and grade point requirements. All prior undergraduate coursework will be considered, and applicable work will satisfy degree requirements for the additional degree.

Minimum requirements for the second (or additional) bachelor's degree include:

- 30 credit hours in residence exclusive of extra-institutional credit\*
- Complete at least 15 additional hours in the college of the second degree. The 15 hours must be in addition to the total number of hours completed by the student for the previous degrees.
- 15 hours of the 30 must be completed at the 3000-4000 level
- GPAs required for the degree/major (overall GPA, major GPA, and UCO GPA)

A second bachelor's degree with a major in General Studies is not available.

\*Any remaining course work beyond the courses in the major to fulfill the 30 credit hour minimum would be identified on a contractual basis between the student and the department chair offering the major. The agreement is initiated in the Center for Undergraduate Academic Advisement, must have department chair and student signatures, and becomes official when received by the academic advisor.

## Medical Students Baccalaureate Degree

Some UCO students are accepted early to medical and allied health professional schools (e.g. Dentistry, Medicine, Osteopathic Medicine, Veterinary Medicine, Physician's Assistant, Chiropractic Medicine) prior to earning a bachelor's degree. They will be allowed to transfer the first year medical course work toward the award of a bachelor's degree. Transfer of up to thirty credit hours will be considered elective credit unless the department chair from the major of the bachelor's degree determines that specific medical school course work may substitute for or count toward a major course requirement.

To be eligible, students must have successfully completed the following minimum requirements from UCO before admission into the professional program:

1. 94 credit hours total;
2. 30 credit hours in residence at UCO;
3. 15 credit hours of upper division in the major;
4. 50% of the total major credit hours;
5. All regular degree requirements, including general education.

Students must apply for their bachelor's degree within two years of completing their UCO work, but no later than graduation from medical school.

## Graduation and Commencement Information

Degrees are conferred at the close of the fall, spring, and summer terms. Commencement ceremonies are held in the fall and spring semesters only. Summer graduation candidates must apply for summer graduation but will participate in the spring ceremonies. The \$45 early graduation fee will be applied to the student's account when Graduation Services begins processing the application. Students earning concurrent degrees will be charged two application fees and will receive two diplomas. All fees may be paid online or at the Cashier's window on the first floor of the Nigh University Center. More information regarding graduation and the graduation application can be found at <https://www.uco.edu/admissions-aid/graduation-services/>.

Students apply online for graduation prior to the semester in which they plan to graduate. They should apply no later than July 1, 2020, for fall 2020, no later than November 1, 2020 for spring 2021, and no later than March 1, 2021 for summer 2021 in order to avoid an additional late fee. Students applying for graduation later than the deadlines above will be charged an additional \$25.00 above the early graduation fee. Students who complete their degree requirements should receive diplomas by mail approximately five to six weeks following the last day of class in the semester in which they graduate.

If there are no missing requirements, transcripts reflecting notations of degrees earned in the previous semester are available approximately one week after the close of each term (Fall, Spring, and Summer). The graduation date indicated on the University of Central Oklahoma transcript will be the last official day of the semester at the close of the applicable fall, spring or summer terms.

## Graduation with Honors

The University of Central Oklahoma grants baccalaureate degrees “with honors” to graduating seniors based on retention GPA as follows:

<b>Graduation Honors</b>	<b>GPA Required (not rounded up)</b>	<b>Minimum UCO hours completed to be eligible for graduation honors</b>
Summa Cum Laude	3.9 or higher	45
Magna Cum Laude	3.8 - 3.89	45
Cum Laude	3.7 - 3.79	45

The University of Central Oklahoma grants associate’s degrees “with honors” to graduating students based on the Retention GPA of 4.0. Recognition of graduation with honors at the commencement ceremony is based on the student’s current Retention GPA and will not include pending courses during the last semester of enrollment.

## Class Marshal

The University of Central Oklahoma awards class marshal stoles each fall and spring to the top baccalaureate student in each college who will be graduating with at least 45 hours of UCO coursework. Worn over the traditional academic robe, it signifies the highest degree of academic excellence.

Determination of class marshal is made by the Office of Graduation Services shortly after October 15 for fall graduation and March 15 for spring graduation.

## Degrees Delayed

Students with missing requirements such as courses with incomplete or missing grades (including grades for Self-Paced Online Courses), transfer grades, grade changes and/or course substitutions not submitted within four weeks after the end of the spring or summer semester will be removed from graduation and notified by email. Students with missing requirements such as courses with incomplete or missing grades (including grades for Self-Paced Online Courses), transfer grades, grade changes and/or course substitutions not submitted within six weeks after the end of the fall semester will be removed from graduation and notified by email. For official conferral to occur students must reapply for the next graduation semester and payment of an additional graduation application fee will be required

## Enrollment Policies

### Classification of Undergraduate Students

Freshman:	0 - 29 semester hours earned
Sophomore:	30 - 59 semester hours earned
Junior:	60 - 89 semester hours earned
Senior:	90 or more semester hours earned
Post Baccalaureate:	A non-degree seeking student with a bachelor’s degree taking additional undergraduate coursework.

## Full-time Student Status

To be considered full-time, an undergraduate student must be enrolled in at least 12 hours in the fall or spring semester and in at least six hours in the summer semester. Students should visit

with Student Financial Services for implications on how total number of credit hours impacts their financial award package. For most programs, students who wish to graduate in four years, excluding summer terms, should enroll in and complete an academic course load averaging 15.5 credit hours each fall and spring semester.

Enrollment in Self-Paced Online Courses (SPOC) does count toward a student’s enrollment status (full-time or part-time).

## Class Attendance

It is the student’s responsibility to be aware of an instructor’s attendance policy. Instructors will make policies known to the students with respect to absences. The instructor makes the final decision to excuse or not to excuse an absence.

Students who stop attending class and do not officially withdraw from or drop the class may receive “F” grades.

## Course Loads

The maximum allowable enrollment for a regularly admitted undergraduate student is 20 hours in the fall or spring semesters and 10 hours in the summer semester.

In some unusual cases, it may be necessary for junior or senior students pursuing their education full-time to take an academic overload in order to complete their degree requirements at a desired time. Students wishing to carry an academic overload must have demonstrated superior performance in coursework and should seek approval through their advisor.

Students enrolled simultaneously in two or more institutions are also bound by the standards set forth above. Further, the above standards relating to academic load apply to both regular classroom enrollment and enrollment in courses through individual study, but do not apply to academic credit awarded on the basis of extra-institutional examination or correspondence through the The Center for eLearning and Connected Environments (CeCE) office.

Intersessions which occur between semesters are considered early extensions of the upcoming semester and are included in the maximum credit hour limits.

The maximum course overload for a student in any given semester or term is limited to the number of semester credit hours which is fifty percent greater than the total number of weeks in the applicable academic semester or term. For students earning credit in an intersession course, the number of intersession weeks may be added to the regular semester weeks to arrive at a higher maximum course load.

Intersession enrollment will not be measured as a standalone session but rather as part of the entire semester or term. In summer four-week blocks, students are limited to six hours of maximum enrollment.

When enrolling for classes, students will not be allowed to enroll in overlapping classes, in particular, classes with conflicting/simultaneous hours and days.

Students wishing an overload will sign an agreement form that confirms the expectations associated with a course overload semester including the added academic rigor and tuition and fee requirements.

## Course Numbering System

Courses are numbered to indicate their level. In general, courses numbered lowest are designed to be completed first. Courses

with numbers in the 1000 and 2000 series are lower division designed for freshman and sophomore students. Courses with numbers in the 3000 and 4000 series are upper division designed to be taken by junior and senior students. Courses numbered in the 5000 series are for graduate students only.

The last digit of the course number indicates the number of semester credit hours awarded for the course completion. For example, FIN 4333 is a three-hour course; PHED 1701 is a one-hour course. Courses which have a final digit of "0" listed in the course description section of the catalog vary in the amount of credit for which they will be offered.

## Academic Semester Hour

The academic semester is the standard academic calendar unit used at the University of Central Oklahoma. The standard semester is 16 weeks in length, excluding enrollment, orientation, and designated holidays.

The semester credit hour is the standard unit used by the University of Central Oklahoma in evaluating the student's educational attainment and progress. Semester credit hours are calculated as follows:

- A. One semester hour of credit is awarded for a lecture class meeting 800 minutes exclusive of enrollment, orientation, and designated holidays.
- B. One semester hour of credit will normally be awarded for a laboratory meeting a minimum of 1600 minutes.
- C. Instruction offered through a combination of classes and laboratory meetings would normally observe the standard set forth in (A) and (B) above on a pro-rata basis.
- D. Online and Hybrid will meet the same credit hour requirement as face-to-face courses.

For more information regarding academic semester credit hour see academic affairs policy 2.11 at: <https://spaces.uco.edu/display/aaccproposals/UCO+Academic+Affairs+Policies+and+Guidelines>

## System of Grading

For the purpose of distinguishing between the ranks of scholastic attainment, the following system of grading is used at the University of Central Oklahoma:

Grades Used in Calculating Grade Point Average			Grades Not Used in Calculating Grade Point Average	
Grade	Note	Points/Hour	Grade	Note
A	EXCELLENT	4	S	SATISFACTORY
B	GOOD	3	U	UNSATISFACTORY
C	AVERAGE	2	P	PASS
D	BELOW AVERAGE	1		
*F	FAILURE	0		

\*Failure - given when students fail to meet minimum standards for passing. Also given when students discontinue class attendance and do not formally drop or withdraw. An "F" grade is also assigned by the instructor when a student is granted permission to drop or withdraw after the established deadlines, but was failing as of the last date of attendance.

### SYMBOLS USED TO INDICATE COURSE STATUS

Symbol	Note	Symbol	Note
I	INCOMPLETE	W	WITHDRAWAL
AW	ADMINISTRATIVE WITHDRAWAL	N	GRADE NOT REPORTED
AU/AUD	AUDIT	X	THESIS IN PROGRESS

P Passing - given for workshops, student teaching, physical education activity courses, and extra-institutional examinations.

S Satisfactory - given for 0-level (non-collegiate/developmental) courses.

U Unsatisfactory - Given for 0-level (non-collegiate/developmental) and physical education activity courses and indicates the student's level of understanding is not sufficient to take the next level of course work.

I Incomplete - given at the instructor's discretion to indicate that additional work is necessary to complete a course. It is not a substitute for an "F" grade, and no student may be failing a course at the time an "I" grade is awarded. To receive an "I" grade, the student should have satisfactorily completed a substantial portion of the required course work for the semester. Students have one year to resolve incomplete grades. In extenuating circumstances, exceptions may be requested.

W Withdrawal - given when a student processes a withdrawal by the established deadline. This grade may be assigned for a student who is allowed to drop or withdraw beyond the established deadline, but the student must be passing the course as of the date of last attendance.

N Not Reported - given when an instructor fails to submit grades by the established deadline.

\*AUD - awarded when students formally audit classes.

\*AU - assigned when a student enrolled for audit but does not meet the instructor's attendance and/or participation requirements for auditors.

\*All courses require permission from the class instructor to audit. The student receives no credit for audit of classes. Fees are the same for audit as for credit. Students may not drop courses for audit and pick them up for credit after the end of enrollment for that term. The only admission material needed for audit is a completed admission form. Audited hours are not included in any calculation for verification of enrollment for Financial Aid, student loans, insurance eligibility, veteran's benefits, or athletic eligibility.

## Course Prerequisites, Corequisites and Basic Academic Skills

A prerequisite is a course, skill, or knowledge required to be completed PRIOR to taking another course. Prerequisites are established for courses requiring a specific background knowledge or skill level for successful completion. Many courses have more than one prerequisite.

Corequisites are complementary courses which require concurrent enrollment and which together comprise a body of knowledge or skills for the student.

Basic academic skills are minimum required skills for college success in English, mathematics, science, and reading. Students with deficiencies in one or more of these areas will not be allowed to enroll in college-level courses of the corresponding subject area. Students can remediate these deficiencies through the appropriate ACT or CPT score, or 0-level course as described previously in this catalog.

Prerequisites, corequisites, and basic academic skills are established for the BENEFIT of STUDENTS. Insufficient background knowledge is an obstacle to success and often results in frustration, lower grades, and withdrawal. More study time and effort is generally needed if the prerequisite(s) have not been met.

Meeting prerequisites, corequisites, and basic academic skills is the RESPONSIBILITY of STUDENTS. (Exceptions must be cleared by the appropriate department or instructor.) Prerequisites and corequisites are listed in the catalog and on the online class schedule. Some prerequisites may be taken concurrently, and they are listed as such in the course descriptions.

Students are allowed to enroll in a course which requires a prerequisite or corequisite in which they are currently enrolled. In the same way, students are allowed to enroll in a course which requires a basic academic skill in an area in which the student is deficient if the student is currently enrolled in a 0-level class which would remediate that deficiency. Their class registration for the advanced course may be dropped by the university if they subsequently fail or drop the prerequisite/corequisite/0-level course taken the previous semester.

## Adjusting a Class Schedule

Each semester there is an established time during which students may add courses to their class schedule. For the fall and spring semesters, students may add 16-week courses during the first week of classes. Other course types including but not limited to Block 1, Block 2, Short, Irregular and/or Intersession courses have their own individual deadlines. For the summer semesters, the add period is proportionately shorter. All deadlines are published on the UCO Enrollment Services webpage.

Each semester before adjusting their class schedules, students should refer to <https://www.uco.edu/admissions-aid/enrollment-services/dates-and-deadlines> for a complete list of deadlines and refund policies.

## Individual Class Drop or Complete Withdrawal from All Classes

A student is considered to be completely withdrawing when s/he “drops” all courses in which s/he is enrolled. Before the first day of the semester, students may completely withdraw from all courses online. Complete withdrawal from the current semester enrollment once the semester begins must be initiated at the OneStop Office in Undergraduate Admissions/Enrollment Services. Students should complete the withdrawal form, obtain all necessary approvals and return the form to the OneStop Office located in the Nigh University Center, Room 124.

A student may drop an individual class or more than one class online, or by using a Drop/Add form available at the OneStop Office, as long as it is not their last enrolled class during the first

eleven weeks of the fall/spring semester, and if after the transaction s/he will still remain enrolled at UCO. Until the withdrawal form has been processed by a service representative in OneStop, the student is not considered officially withdrawn. The ability to withdraw in person will end on the deadline date at the time of office closing.

Complete withdrawal or individual class drop on or after the beginning of the third week and through the 11th week of a regular semester, or after the third day and through the end of the 6th week of an 8-week summer semester, will result in grades of “W” on the academic record. A student who ceases attendance before the term is over and does not complete the procedure to withdraw completely or to drop an individual class will receive “F” grades.

Students who withdraw during the first two weeks of a 16-week term (or appropriate date for a short term class) will have the word “withdrew” and the date listed on their university transcript without the course(s) being identified.

Students should refer to the Dates and Deadlines page <https://www.uco.edu/admissions-aid/enrollment-services/dates-and-deadlines> for a complete list of withdrawal deadlines.

A student unable to complete a withdrawal or to drop an individual class by the 11th week of a regular semester (or the 6th week of an 8-week summer semester) may petition for an exception by submitting a request for Emergency Drop/Late Withdrawal. Permission may be approved if proper evidence exists to show that the withdrawal or drop could not be completed during the required time because of unforeseen catastrophic circumstances or an emergency AND the instructor confirms the student’s absence, course grade at last date of attendance, and other relevant information. Unforeseen circumstances and/or an emergency (hospitalization, work, or transfer out of state) must be documented. **Missing or forgetting the last day to withdraw is not considered an emergency.** Requests received after one year will not be considered. Courses that have been awarded a grade of “C” or higher or that have been completed are not eligible for the exception and must be addressed through the grade appeal process. **Poor academic performance, inability to pay for courses, or lack of deadline awareness will not be a consideration for approval.**

All requests for Emergency Drops/Late Withdrawals must be initiated within one year of the semester in which grades were assigned. Requests received after one year will not be considered. Request for Emergency Drops/Late Withdrawals will not be accepted until all relevant documentation is submitted including, but not limited to, Petition Forms complete with Instructor Signatures, a Letter of Request, and all necessary supporting documentation. Courses that have been completed (i.e. final exam taken) are not eligible for an exception and must be addressed through the grade appeal process. Regardless of the circumstances, **all approved withdrawals and drops after the deadline will be reflected on the transcript as “W” for passing or “F” for failing. A late withdrawal can have a significant negative impact on Financial Aid.**

**Administrative Withdrawal for Non Attendance - Students who 1. never attend courses class for an on-campus course in which they are enrolled , or 2) demonstrate no participation in an online course in which they are enrolled, are considered to be in a**

**status of Non-Attendance. Students in Non-Attendance that do not and do not personally drop/withdraw may be administratively withdrawn from each affected class.** The appropriate faculty member may submit the Administrative Withdrawal after the last day to drop a class without a grade, but before the last day to withdraw for the semester. Students will be charged a fixed rate of 25% per credit hour.

### Final Examination Policies

1. Final Examinations - The last week of a semester is dedicated to final examinations. A student is not required to take more than two final examinations on the same day. When three or more final examinations are scheduled on the same day, as listed on the official examination schedule, rescheduling of the excess examinations will start with the lowest course number(s), not course reference number(s). To reschedule a final examination, the student must petition the appropriate dean no later than five (5) calendar days prior to the beginning of exam week for the semester or term in question using the Petition for Rescheduling Final Exams and following all approval requirements.
2. Emergencies during Finals Week - If a university emergency occurs that prevents the administration of a final examination, the student's final course grade will be calculated based on the work in the course completed to that point in time and the faculty member's considered judgment. Final examinations will not be rescheduled and the grade of "I" will not be given as a result of the missed exam.

## Academic Retention Standards

The University of Central Oklahoma, in cooperation with the Oklahoma State Regents for Higher Education, has adopted the following policy relating to retention of students pursuing undergraduate course work. The three-phase policy combines an early notification to students experiencing academic difficulties with a gradual increase in the overall standards required for retention/continued enrollment at the university. All courses in which a student has a recorded grade (excluding those courses marked as repeated, reprieved, physical education activity, or remedial) will be counted in the calculation of the grade point average for retention purposes.

### Grade Point Average Definitions

**Cumulative Grade Point Average (GPA)** All courses attempted in which a grade of A, B, C, D, or F was assigned. Grades of P, S, I, U, AW, AU, AUD, W and X do not contribute toward the calculation of the cumulative GPA.

**Retention Grade Point Average** All courses attempted in which a grade of A, B, C, D, or F was assigned, excluding any courses marked as repeated or reprieved. A maximum of 4 courses, not to exceed 18 hours, may be repeated, and one semester or two consecutive semesters may be reprieved. Grades of P, S, I, U, AW, AU, AUD, W and X do not contribute to the retention GPA. Repeats in excess of four courses are averaged in calculating the retention GPA.

**Graduation Grade Point Average** – The GPA recorded at the time an undergraduate degree is conferred. A graduation GPA includes all courses attempted in which a grade of A, B, C, D, or F was assigned and excludes any courses marked as repeated or reprieved.

### Retention Status

All students at the University of Central Oklahoma will be classified in one of the following statuses for retention purposes: (Concurrent students: if coursework taken while a concurrent student falls below a retention GPA of less than 2.0, see below under Freshman Academic Notice or Academic Probation).

**Academic Good Standing** - Any student who meets the retention requirements set forth in this section.

**Freshman Academic Notice** - Undergraduate students with 30 or fewer credit hours with a retention GPA of 1.7 to 1.99. All students on freshman academic notice for the first time may be required to take UNIV 2012 Success Strategies, a class designed to assist them in their academic recovery.

**Academic Notice** - Any student whose graduation/retention GPA is above a 2.00 but below the GPA required to graduate with a particular program of study. Academic Notice is not reflected on the transcript and is not considered a probation status.

**Academic Probation** - Any student whose retention GPA falls below the retention requirements. Students placed or continued on academic probation must maintain a 2.00 GPA in regularly graded course work (excluding activity or performance courses) for continued enrollment at UCO. Students with less than 30 earned credit hours who are on academic probation for the first time may be required to take UNIV 2012 Success Strategies to assist them in their academic recovery.

Students who raise their retention GPA to meet the retention requirements will be removed from academic probation.

**Academic Suspension** - Any student who was on academic probation the previous semester will be suspended from the University if they fail to raise their retention GPA to the required retention GPA level (retention requirements) or to achieve a 2.00 semester GPA in regularly graded course work, not to include activity courses. Students not meeting either of these criteria will be immediately suspended and may not be reinstated until one regular semester (fall or spring) has elapsed.

For continued enrollment as a student in academic good standing at the University of Central Oklahoma, a student must have earned a retention grade point average at or above the following:

### Retention Requirements 2020 - 2021

Credit Hours Attempted	Retention GPA Requirement
*0 through 30 semester hours	1.7
31 or greater semester hours	2.0

\*Students with 0-30 semester credit hours with a retention GPA of 1.7 through 1.99 will be considered to be on freshman academic notice.

Students will be removed from academic probation when they have met the minimum requirements above.

At the end of the probationary semester or term, students who continue to fail to make satisfactory progress toward the academic objective, as indicated by the retention requirements, will be suspended for the next regular (fall or spring) semester. Students suspended twice from the University of Central Oklahoma are not eligible to return until they have raised their retention grade point average to a minimum of 2.0 by attendance at another accredited institution.

### Continued Study by Suspended Seniors

A student suspended for the first or second time from UCO with 90 or more hours in a specified degree program who failed to meet the retention GPA of 2.0 or the semester GPA of 2.0 may enroll in an additional 15 semester hours in a further attempt to achieve the requirements for retention. During the 15 hours of enrollment, the student must achieve a minimum 2.0 GPA during each semester or raise his/her retention GPA to 2.0 or above. Such students will be afforded this extension one time only.

### Reinstatement of Suspended Students

Students suspended for the first time from the University of Central Oklahoma will be eligible to apply for readmission after an absence from the university for a regular (fall or spring) semester assuming they have not attended any other college or university. To be readmitted, students must make application and pay the application fee. Students should be prepared to discuss with the advisor reasons for earlier academic difficulties and should explore available campus resources that will assist in meeting educational goals.

Students suspended from the University of Central Oklahoma who have attended another college or university since the suspension may only reapply after demonstrating they have earned a 2.0 or higher grade point average at all institutions attended since the suspension.

Should a second suspension occur, students will be unable to be readmitted to UCO until their retention GPA meets the University's retention standards. Students may raise their GPAs by successful attendance at another regionally accredited college or university.

### Procedures for Immediate Admission of Suspended Students From Other System Institutions

In some instances, students with no more than one suspension from another institution may apply for probationary admission. To be considered for probationary admission, students must have met all other applicable UCO admission criteria at the time of first college admission. If admission is granted, future enrollments will depend upon the student meeting applicable retention grade point average requirements. To apply for probationary admission following a suspension from another institution, students must petition the Committee on Undergraduate Admissions and Academic Retention. Petition forms are available online at <https://www.uco.edu/admissions-aid/advisement/suspension-information>.

### Academic Suspension Appeals

Students who believe extraordinary conditions led to an academic suspension at UCO may petition the Committee on Undergraduate Admissions and Academic Retention for immediate reinstatement. If approved, the suspension status will not change, but the students will be allowed an immediate readmission. Limitations on enrollment may apply. Should a subsequent suspension occur, students will not be allowed to reapply until such time as they have demonstrated an ability to succeed academically by attending another institution and raising their retention GPA to meet UCO retention standards. Students with two academic suspensions are not eligible for this appeal. Petition forms are available online at <https://www.uco.edu/admissions-aid/advisement/suspension-information>.

### Committee on Undergraduate Admissions and Academic Retention

The purpose of this committee is to consider the following

petitions: Alternative Admission for First-Time Freshmen; Appeals for Adult Admission; transfer probationary admission of probation or suspended students from other institutions; and other exceptional and extraordinary individual applications.

Students who wish to be readmitted after suspension must write a letter to the Committee on Undergraduate Admissions and Academic Retention and reapply by completing a new application for admission

A student's request for admission or readmission will only be considered when full documentation (including complete official transcripts) supporting the appeal has been submitted for evaluation within the time requirements established for committee meetings.

Appeals will not be considered once classes begin. It is deemed inappropriate for at-risk students to begin the term late.

The authority of the Committee on Undergraduate Admissions and Academic Retention is limited to granting admission or readmission, placing conditions or limitations on the first semester enrollment, and DOES NOT EXTEND TO REMOVING OR REVERSING AN ACADEMIC SUSPENSION.

The decision of the committee is final. A student cannot reapply to UCO without satisfying the committee recommendations.

### Appeal Process

If a student wishes to petition for readmission or admission on probation, a completed petition must be submitted to the Office of Undergraduate Admissions with attached official transcripts of all college work. The student's request for reinstatement will be considered only by satisfactorily completing the following steps for appeal:

- A. Document reasonable cause for unusual or extraordinary personal circumstances that contributed to academic failure;
- B. Submit evidence of the capability for academic success (satisfactory scores on aptitude or achievement tests may be a requirement);
- C. Provide an objective plan for balancing proposed enrollment, study time, and a work schedule which will ensure success toward obtaining an educational and/or degree goal.
- D. If the student is currently attending another college, final grades for that term must be submitted with the appeal.
- E. If testing is required, test scores must be submitted prior to deadline.
- F. All requested documents and test scores must be received on or before the established deadlines. More information can be found at: <https://www.uco.edu/admissions-aid/advisement/suspension-information>.

## Serviceman's Opportunity College

The University of Central Oklahoma is a Serviceman's Opportunity College (SOC) serving active military, guardsmen, and reservists. As an SOC institution, the university will assist eligible military in completing degree requirements

UCO awards credit for learning acquired in military service at levels consistent with the American Council on Education Guide (ACE) recommendations and/or those transcripts furnished by the Community College of the Air Force, or a Joint Service Transcript when applicable to a service member's program. Credit is also awarded for the completion of basic or recruit training. The



University of Central Oklahoma's policy concerning the awarding of extra-institutional credit for the completion of CLEP, DSST, ACT/PEP, and USAFI, can be found in the current Serviceman's Opportunity Colleges Guide.

## Concurrent Admissions Program/Army Recruiting Command Program

The University of Central Oklahoma is a participating college in the Concurrent Admissions Program (ConAP). ConAP is a joint program of the Army Recruiting Command, assisted by Serviceman's Opportunity Colleges (SOC) and participating colleges. The program is designed to admit new soldiers into a participating college at the time of enlistment in the Army or Army Reserve, and defer their enrollment for classes until completion of military service.

## Credit for Prior Learning

The University of Central Oklahoma provides students with several opportunities to receive credit for knowledge and achievements gained through prior learning experiences. Prior learning credit is available at the undergraduate level for courses of study offered by UCO. Prior learning credit is not available at the graduate level. Students may earn college credit for prior learning experiences through national standardized tests, departmental exams, portfolio assessment, and/or other approved non-university educational experiences. A maximum of 42 credit hours of Prior Learning Assessment (PLA) credit will be counted toward an undergraduate degree; 21 for associate degrees.

Examples of university recognized prior learning credit include: Advanced Placement Exams (AP), College-Level Examination Program (CLEP), DANTES Subject Standardized Tests (DSST), International Baccalaureate Exams (IB), American Council on Education (ACE), and Council for Adult and Experiential Learning (CAEL) portfolio assessment.

Students eligible to receive credit for prior learning must be enrolled or eligible to re-enroll at UCO.

Prior learning credit will be posted to the student's official transcript upon the successful completion of twelve semester credit hours of academic work at UCO.

Credit awarded for prior learning will be recorded with a neutral grade of P (pass).

Prior learning credit may be applied towards satisfaction of degree requirements but may not be used to meet the 30-hour baccalaureate graduation residency requirement.

Students utilizing departmental or CLEP exams may not test out of a course in which he/she is currently enrolled. A failed exam may be repeated after three months has elapsed. No grade is recorded if the student fails the exam. Students may test out of a course in which a letter grade has been previously awarded (A, B, C, D, F, or I). However, eligibility to apply the OSRHE repeat policy is the same as it is for all regular UCO courses.

Prior learning credit transcribed by Oklahoma accredited public institutions will be transcribed and transferable as if the credit had been earned through regular study at the awarding institution. Prior learning credit from out-of-state accredited colleges/universities will be reevaluated to determine degree relevance. The specific

categories of prior learning credit to be re-evaluated are those listed under Section C of the OSRHE Policy 3.16.3 "Credit for Prior Learning".

Students are responsible for any costs associated with prior learning credits. The fees are not refundable – even if no credit is earned.

### Departmental Exams:

The UCO Testing Services Office has a complete list of examinations.

## Advanced Placement (AP) Program

This program recognizes that some high school accelerated classes or honors programs have prepared students to excel at the college level. Tests of the Advanced Placement program are administered by the College Entrance Exam Board and are taken while in high school. High school counselors can usually assist students with testing arrangements. The University of Central Oklahoma will award college credit to students who receive a score of 3, 4, or 5 on selected tests (with exception of the chemistry and physics test, which requires a score of 4 or 5.)

Test availability is subject to change. Please contact the UCO Testing Office, (405) 974-2388 for a listing of tests that UCO will recognize for awarding credit or visit <https://www.uco.edu/student-resources/testing-services/>.

## International Baccalaureate (IB) Program

This program also recognizes high school accelerated courses. Students who have participated in IB courses in high school and scored at least a 4 (on a 7-point scale) on the higher level (HL) course examination may be eligible to receive college credit. Such credit is generally awarded on a course-by-course basis as recommended by the appropriate UCO department. Students interested in this program should contact the Office of Articulation and Transfer Credit at (405) 974-2332 for more information.

## Enrollment Fees

For current enrollment fees, please check the following link: <https://www.uco.edu/admissions-aid/enrollment-services/tuition-and-fees>.

## Honor Rolls and Awards

### Undergraduate Honor Roll

To be on the honor roll the student's semester record must have no marks of "I", "F", "N" or "U" in a minimum course load of 12 semester credit hours in a fall or spring semester. Grades of "S" and "P" are not computed in the student's semester grade point average and will not be considered toward the number of hours required for honor roll consideration.

A notation regarding the honor roll achievement will appear on the student's transcript. An announcement listing those students making the honor roll may also be sent to area newspapers.

Graduating seniors enrolled in graduate credit must also successfully complete at least 12 hours of undergraduate credit consistent with the requirements previously stated to be considered for undergraduate honors. Once a student has earned a bachelor's degree, s/he is no longer eligible for undergraduate honor rolls. Honor rolls are not calculated in the summer semester.

### President's Honor Roll - Undergraduate

Undergraduate students who successfully complete 12 or more undergraduate hours of regularly graded (A, B, C) residence credit during a fall or spring semester are eligible to have their names listed on the President's Honor Roll, provided they pass all courses and have no grade below "A".

### Dean's Honor Roll - Undergraduate

Undergraduate students who successfully complete 12 or more semester hours of regularly graded (A, B) residence credit during a fall or spring semester are eligible to have their names listed on the Dean's Honor Roll provided they have a grade point average of 3.50 or better for the semester or term and have no grade below "B." The student's semester record must have no marks of "I", "F", "N", or "U."

Graduating seniors enrolled in graduate credit must also successfully complete at least 12 hours of undergraduate credit consistent with the requirements above to be considered for undergraduate honors.

### University Scholastic Award

An award is given each year to the undergraduate upper class student making the highest cumulative grade point average (overall GPA) including scholastic work during the year. The name of the winner is announced after the close of the spring semester. This award is determined by the Registrar using the following criteria:

1. Any upper class undergraduate student at the University of Central Oklahoma taking an average of not less than sixteen hours each semester for the year and who has completed a total of thirty-seven or more semester hours of college work at the time the award is made will be eligible for the award.
2. No student shall be permitted to receive the award more than once.
3. The award will be given to the student making the highest cumulative grade point average including the year's coursework for two semesters of the scholastic year, August to May. When grade point averages are equal, the award will be given to the student with the greatest number of total hours completed. If this does not break the tie, the award will be given to the student with the most hours completed and who carried the heaviest load during the scholastic year.
4. The award will be based on the student's grades as recorded in Enrollment Services.
5. Students who have been under college disciplinary action during the year shall not be considered.

### Freshman Scholastic Awards

Two awards are made each year, one to a freshman male and one to a freshman female, who achieve the highest cumulative grade point average for the freshman year's coursework. These awards are made at the close of the spring semester.

To be eligible for one of these awards, the student must have completed not more than one school year which may include the previous summer session. All hours completed, however, during that year will be counted in computing the cumulative grade point average. The student must have carried not less than fifteen hours in each of the two regular semesters and must not have been under university disciplinary action during the year. When cumulative

grade point averages are equal, the awards will be given to students with the greatest number of hours for the year's work. If this does not break the tie, the awards will be given to the students with the most hours completed who carried the heaviest loads during the scholastic year. The awards are determined by the Registrar.

## Grade Appeal Process for Undergraduate Students

In cases where a student wishes to appeal a grade, his/her first step should be direct discussion with the faculty member and the department chairperson/school director in an attempt to resolve the matter informally. Contact with the faculty member and department chairperson/school director should be made as early as possible, as it is a mandatory first step should the student wish to file a formal appeal. If those meetings do not bring about a resolution, the student may petition to have their case reviewed by the University Academic Appeal Board. A formal grade appeal must be made within the first four weeks of the school year following the semester in which the grade was assigned.

For more information, please review the following link: <https://www.uco.edu/academic-affairs/academics/academic-grade-appeals>

## Rights and Responsibilities

### Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) is a federal law enacted in 1974 that affords students certain rights concerning their student educational records. It is also known as the "Buckley Amendment." The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. The Office of the Registrar serves as the official custodian of FERPA guidelines. All questions or concerns regarding FERPA issues should be routed to this office.

### Definition of "Educational Records":

All records containing information directly related to a student and maintained by an educational institution or by a party acting for the institution are considered educational records. This term has a very broad scope. Any information which makes a student personally identifiable, such as an ID number or home address, is considered part of an educational record.

Examples of education records include but are not limited to academic records (admission application, transcript, grades, papers, tests, etc.); student course schedules; test scores; financial aid records; advising records and disciplinary actions.

Although this law ensures student information is protected, institutions identify some student information as "public" or "directory information." Directory information may be disclosed without student approval unless the student has specifically prohibited release of that information.

### Public or Directory Information:

The University of Central Oklahoma designates the following student information as public or directory information:

- Student's name, local and mailing address, e-mail address, home phone number(s), classification (freshman, sophomore, etc.), dates of attendance at UCO (first/last day of term), enrollment status (full-time or part-time).

Major field of study/degree program, educational institutions

previously attended, degrees and awards granted, educational background degree(s) held and date(s) granted, and institutions granting such degree(s).

- Date and place of birth, participation in officially recognized organizations, activities and sports, weight and height of participants in officially recognized sports.

This information may be disclosed by the institution for any purpose, at its discretion.

Students may withhold disclosure of all categories of directory information under the Family Educational Rights and Privacy Act of 1974. Forms requesting the withholding of “Directory Information” are available in the OneStop Office, Room 124 of the Nigh University Center.

The University of Central Oklahoma assumes approval for disclosure unless a student specifically requests the withholding of “Directory Information.” It is the policy of the university to release personally identifiable information from the educational records of a student, without written consent, to university and/or school officials (faculty, staff and agents of the university having responsibility for working with that student in admissions, registration, advisement, counseling, teaching, financial aid, payment of fees or any other activity directly related to the student’s academic program, or pursuant to law or governmental regulation). School officials may also include University of Central Oklahoma employees or volunteers located offsite at select other educational institutions who provide academic advising to prospective, current, and former UCO students.

FERPA also allows schools to disclose records without written consent to the following parties or under the following conditions: other schools to which a student is transferring or is currently enrolled as long as the disclosure is for purposes related to the student’s enrollment or transfer; lending institutions of which the student has applied for financial aid; specified officials for audit or evaluation purposes; appropriate parties in connection with financial aid to a student; organizations conducting certain studies for or on behalf of the school; accrediting organizations; to comply with a judicial order or lawfully issued subpoena; appropriate officials in cases of health and safety emergencies; and state and local authorities, within a juvenile justice system, pursuant to specific state law.

Under FERPA, students wishing to withhold disclosure of directory information will have all categories of information withheld and cannot decide which category is or is not disclosed. Students may use the UCO Proxy Access tool in their UCONNECT account to allow parents, spouses, employers, etc. access to information on their educational record such as grades, registration, financial account, financial aid, and more. For more information on how to set up this access, visit [www.uco.edu/em/registrar/proxy](http://www.uco.edu/em/registrar/proxy).

Attempts by other individuals or organizations to access student records without the written consent of the student are considered a violation of university policy and federal law. Examples of violations include, but are not limited to: 1) illegally accessing information from student, faculty, or university computers; 2) misrepresenting themselves to obtain another student’s transcript, semester grades, or class registration; 3) using a student’s ID number without his/her permission to gain access to university services.

### Notice

In accordance with the Family Educational Rights and Privacy

Act of 1974, as amended, eligible students are entitled to access official educational records directly related to their collegiate experience, including the right of inspection and review.

For records kept in Enrollment Services, requests for access should be directed to the OneStop Office in accordance with University regulations. (Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954 may be allowed to access official educational records of their dependent student at the discretion of the institution). Students may authorize third party access to their student educational records through the form “Student Permission for Parental, Guardian or Third Party Access to Student Records” in the OneStop Office.

### Access Rights

The right of access shall include:

- A. The right to be provided a list of the types of educational records maintained by the institution that are directly related to students;
- B. The right to inspect and review the content of those records;
- C. The right to obtain copies of those records (except transcripts on hold by the university for financial indebtedness), which may be at the expense of the eligible student or parent. Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954 may have access to official educational records of that student at the discretion of the institution;
- D. The right to a response from the institution to reasonable requests for explanations and interpretations of those records;
- E. The right to an opportunity for a hearing to challenge the content of those records (see Hearing Procedures section below for more information); and
- F. The right to inspect and review or to be informed of specific information about themselves which is contained in any material or document on more than one student.

### Hearing Procedures

- A. The hearing shall be conducted and decided within a reasonable period of time following the request for the hearing;
- B. The hearing shall be conducted, and the decision rendered by an institutional official or other party who does not have a direct interest in the outcome of the hearing;
- C. The eligible parents or student shall be afforded a full and fair opportunity to present evidence relevant to the issues raised under subpart C, section 99.20 of the Family Educational Rights and Privacy Act of 1974;
- D. The decision shall be rendered in writing within a reasonable period of time after the conclusion of the hearing.

## Liability and Responsibility Notice

Whether enrolled in an on-campus class or in a UCO internship, practicum, course, or activity involving domestic or foreign travel, students are responsible for their own medical treatment and are liable for their own actions. In the event of injury or illness while participating in a UCO sponsored activity, UCO cannot approve a claim for treatment or reimbursement. Information on one insurance policy for students is available in the Office of Global Affairs. Also, a number of reasonably priced insurance policies are available from the private business sector. Each student is strongly encouraged to invest in the appropriate coverage.

# *Services to Support Student Success*

# Services to Support Student Success

## Student Financial Aid

UCO awards over 117 million dollars in federal, state, and private aid to more than 10,000 students annually.

Office of Student Financial Aid  
University of Central Oklahoma  
Nigh University Center, Room 424  
100 North University Drive  
Edmond, OK 73034-5209  
Phone: (405) 974-2727  
FAX (405) 340-7658  
Federal School Code: 003152  
Web Address: <https://www.uco.edu/admissions-aid/>

### Applying for Aid

Students may apply for Federal Financial Aid by completing the Free Application for Federal Student Aid (FAFSA) at: [fafsa.gov](http://fafsa.gov). The annual application process for each upcoming school year is available beginning October 1. Students seeking financial aid for summer enrollment must complete a separate UCO summer application in addition to the current year FAFSA. Summer aid applications are available when summer enrollment begins each spring. Oklahoma Promise eligible students are required to submit a FAFSA each year.

### Important Dates and Deadlines

Applicants are advised to apply as soon as possible after January 1st of each year for best consideration for all aid programs including the Oklahoma Tuition Aid Grant, OTAG. May 31 - UCO Priority Processing Deadline (Applicants whose FAFSA is processed by this deadline will receive an award notification prior to the end of June.)

### Cost of Attendance

The cost of attendance figures listed below represent a full academic year's cost, based on an average full-time enrollment for two semesters, therefore these figures should be divided in half to reflect one semester cost and allowances for averaged expenses to include tuition and fees, room and board, books, miscellaneous and personal expenses. The cost of attendance is used to determine the maximum amount of funding a student is eligible to receive. These costs may vary from school to school. Allowances for room and board will vary depending on living arrangements (Off-Campus, On-Campus, or with parents). Financial Aid disbursements will be based upon enrollment status (full, three-quarter, or half-time). For planning purposes, the following cost figures are offered as estimates of reasonable expected expenses for average credits of full-time undergraduate Oklahoma resident students:

**Living Status	On-Campus	Off-Campus	With Parents
Tuition & Fees	\$7,654	\$7,654	\$7,654
Loan Fees	66	66	66

Room & Board	8,292	11,724	3,946
Books	1,600	1,600	1,600
Miscellaneous	5,600	5,600	5,600
Transportation	1,600	3,200	3,200
Total	\$24,812	\$29,844	\$22,066

\*\*Variables: Cost of education for non-resident students will add approximately \$9,000.

Changes in enrollment or living arrangements can significantly affect eligibility, and may require funds to be repaid. Enrollment changes can be identified; however it is the student's responsibility to notify UCO of changes in living arrangements.

### Enrollment Changes

During the semester students may drop courses without a grade notation on their transcript, or change a course for credit to audit. If federal funds have already been issued to the student or credited to the student's account, this action would constitute a re-evaluation of eligibility resulting in a repayment. Federal aid recipients who completely withdraw after school begins, up through 60% of the semester will have to repay some portion of the federal funds received which will be debited to the student's UCO account.

### Types of Aid Programs

UCO participates in the following Federal and State Programs: Federal Pell Grant (FPELL), Federal Supplemental Educational Opportunity Grant (FSEOG), William D. Ford Federal Direct Loan Program, Federal Work-Study (FWS), Oklahoma Tuition Aid Grant (OTAG), the Teacher Education Assistance for College & Higher Education (TEACH) and the Oklahoma Promise Program.

More detailed information concerning Applying for Aid, the UCO Financial Aid Process, and general information may be obtained by going to the Financial Aid web site at:

\*\*<https://www.uco.edu/admissions-aid/>.

**\*\*On the web site, students will find a number of financial aid forms that may be required that can be downloaded. They can also view financial aid updates and announcements that will carry the latest information and important deadlines.**

### Scholarships

The offices of Student Financial Aid & Scholarships and Undergraduate Admissions coordinate scholarship programs for incoming freshmen, transfer and current UCO students. These scholarships are based on academic achievement, extracurricular activities, volunteer and community service, leadership, citizenship and financial need.

Students may find a list of available scholarships by visiting our website at <https://www.uco.edu/admissions-aid/financial-aid/scholarships/>. Students may apply for scholarships and admission through our combined application at <https://www.uco.edu/admissions-aid/apply-now/> by the application deadlines of: November 1, 2020 (for Spring) or April 1, 2021 (for Fall) for Incoming Transfers; February 3, 2021 for Incoming Freshmen. Eligibility for these awards also requires completion of the FAFSA (Free Application for Federal Student Aid) by the stated deadlines.

If you have questions, contact the Office of Student Financial Services and Scholarships at (405) 974-2727 or visit <https://www.uco.edu/admissions-aid/financial-aid/scholarships/>.

### Department Scholarships

Many academic departments at UCO offer scholarships to students who display exceptional scholastic ability or talent in a particular area. Please contact the individual departments for more information.

### Leadership Scholarships

UCO's commitment to leadership development extends into the scholarships the University offers to incoming freshman and transfer students. UCO has established two leadership scholarship programs, the President's Leadership Council and Leaders of Tomorrow. These scholarship programs are designed to recognize students who have demonstrated leadership during their high school and collegiate careers and to provide a framework for learning and experiences to enhance their continued leadership development. For more information see the Leadership website: <https://www.uco.edu/student-life/leadership/how-to-apply-for-leadership-scholarships>.

### University of Central Oklahoma Foundation Scholarships

The UCO Foundation funds approximately 250 scholarships each academic year for continuing education students. Scholarship amounts vary from \$250 - \$5,000 per year. Applications are available at <https://www.centralconnection.org/scholarships>, the Foundation office Evans Hall 102 and the Undergraduate Admissions office Nigh University Center 126H.

### Office of Veteran Student Support

For the second year in a row the UCO Office of Veteran Student Support (VSS) is ranked in the Top #10 "Best for Vets" in the country by Military Times magazine. UCO VSS maintains a full-time office of both knowledgeable veteran staff members and student veteran workers. Their veteran staff can help facilitate a smooth transition for members of the veteran community, including family members, and help identify scholarships, internal and external resources and additional educational opportunities beyond the range and scope of the GI Bill. The VSS office has recently been awarded two federal grant funded programs: SSS SALUTE and Veterans Upward Bound (VUB) to help provide returning student veterans with additional educational and financial advantages and resources to assist them throughout their academic journey.

The VetHERO Office, located within the VSS Office, is designed to provide information and personal assistance to both student veterans and dependents. The VetHERO staff helps assist students in accessing eBenefits, understanding GI Bill benefits, completing requirements to receive VA entitlements and creating a military-friendly campus culture and academic environment for the veteran community.

Please contact or stop by the UCO Veteran Student Support Office, located in Room 221 of the second floor of Chamber's Library or their office at (405) 974-2400 for further information on veteran educational benefits, activities, support and services.

### Senior Citizens

Residents of Oklahoma, 65 years of age or older, may request a fee waiver to audit up to six semester hours of academic work per semester contingent upon available classroom and laboratory space. Permission to audit must be obtained from the instructor. Students auditing a class are expected to have the same prerequisites completed as students enrolled for credit. After enrollment,

senior citizens requesting a fee waiver should take their processed class schedule printout and proof of age to the Office of Student Financial Aid, Nigh University Center, Room 124.

### Vocational Rehabilitation

A Vocational Rehabilitation office is located at 235 W. Dennis Street, Edmond, Oklahoma. The number to call is 405-657-1800. All students seeking vocational rehabilitation assistance must be processed and cleared through that office each term. Please contact this office directly about eligibility requirements.

## Enrollment and Student Success

The Division for Enrollment and Student Success provides a challenging and supportive community for students by fostering their understanding of self, appreciation of diversity, and commitment to service. These goals are achieved by providing progressive and inclusive programs and services that enhance student learning and well-being.

The departments within Enrollment and Student Success offer support for personal enrichment and development of leadership skills. All departments aim to assist students in achieving their personal and academic goals.

The departments reporting to the Vice President for Enrollment and Student Success include:

- Undergraduate Academic Advisement
- Articulation
- Bursar
- Campus Tours and Events
- Degree Audit
- Enrollment Services
- Financial Aid
- Student Success
- Office of Undergraduate Admissions
- One Stop Shop
- Records Processing
- Recruitment
- Registrar
- Scholarships
- Student Financial Services
- Veteran Student Support
- Career Development Center
- Community Engagement
- Experiential Learning:
- Disability Support Services
- Office of Global Affairs
- Centre for Global Competency
- New Broncho Orientation (Stampede Week)
- Office of Parent and Family Programs
- Plunkett Field and Stage
- Student Conduct Office
- Center for Counseling and Well-Being
- Student Life:
- Student Engagement
- Broncho Family Programs
- Testing Services
- Project SPEAK
- Off Campus Life
- Office of Sustainability
- Women's Outreach Center
- Y-Chapel

## Student Advocacy

The Office of Student Advocacy helps students identify barriers and develop skills to navigate their paths to success and degree completion. Students can explore strategies for academic success, enrollment and financial aid policies, financial planning and budgeting, finding pathways to graduation and returning to UCO to complete their degrees.

Students must complete at least 30 hours per academic year to stay on track to graduate in four years. For more information, call 405-974-5390, email [advocacy@uco.edu](mailto:advocacy@uco.edu) or [schedule an appointment with us](#).

## Student Engagement

### Nigh University Center, Room 141, 405-974-2363

The Student Engagement office facilitates, plans and executes programming and activities for UCO students. The Student Engagement office is comprised of orientation (Forge), student organizations, fraternity & sorority life, campus wide programming, major campus events, spirit teams, leadership, and Broncho family programs. Student Engagement has over 900 student leadership opportunities for involvement and leadership and many more committee leadership positions.

First interaction with the Student Engagement office will be through attending Forge, our new student orientation. Forge takes place throughout the summer and leads right into the start of the academic year and Stampede Week. Stampede Week is the first full week of classes full of activities, events and opportunities to make lots of new friends and memories.

Visit the Student Engagement office in the Nigh University Center, Room 141, or website at [uco.edu/se](http://uco.edu/se).

At Forge and during Stampede Week, students will learn about the many other areas of Student Engagement including:

- Sororities and fraternities. UCO is home to over twenty organizations. The groups are broken into four councils that represent and govern their respective chapters. For a full list of chapters, please visit <https://www.uco.edu/student-life/fsl/>.
- Broncho Family Programs exists to help keep parent and family members engaged in their student's experience. Family members are invited back for events such as Family Weekend, and other family events. For more information, contact the Broncho Family Programs Coordinator at 405-974-3301 or visit [uco.edu/family](http://uco.edu/family).
- Central's Cheer and Pom teams are nationally ranked, holding over 15 national championships since 2002. They cheer on, perform at athletic events, special functions, and compete nationally. Spirit Teams for UCO include Cheer, Pom, CREW and Buddy Broncho. For more information on tryouts and the teams, visit [uco.edu/spirit](http://uco.edu/spirit).

Involvement in one of UCO's over 200 student organizations is a great way to positively impact campus and a student's individual experience. From academic, professional, religious, honorary, cultural, social, recreation and special interest, there is truly something for everyone. OrgSync is home to the student organization database, and it is easily searchable for anything a student wants to find. You can access OrgSync at [uco.edu/studentorgs](http://uco.edu/studentorgs).

In addition to everything listed above, Student Engagement has student leadership boards who program a myriad of events

including: Big Pink, President's Club Children's Christmas Party, Miss UCO, Glamazon, Men's Programming, Freshman Leadership Academy, Homecoming, WinterGlow and BronchoThon. Find out about these programs and more at <https://www.uco.edu/student-life/get-involved>.

### Office of Diversity and Inclusion, Nigh University Center, Room 136, 405-974-3588

The Office of Diversity and Inclusion (ODI) advances cultural competence while implementing opportunities for our diverse communities to learn, thrive and succeed. This mission is met by implementing unique programs and initiatives that promote the pursuit of academic success and encourage retention, while promoting the leadership development of students. ODI initiatives serve to expand students' cultural horizons and perspectives, honor respective cultural experiences and develop culturally competent citizens. This mission is achieved through the primary focus of Diversity Retention & Presentence and Diversity Enrichment.

**Diversity Retention & Persistence** focuses on providing intentional curricular and co-curricular experiences that aid in the social, cultural and academic development of students. Collaborations with faculty, staff, administrators and community leaders, as well as supplemental campus resources provide a sense of belonging, as well as increase retention and graduation rates for non-majority students. There are currently three diversity and retention programs: Black Male Initiative, Hispanic Success Initiative and Native American Success Initiative.

**Diversity Enrichment** programs are designed to provide students with a greater sense of themselves, a level of understanding and awareness of others, and an opportunity to become empowered, engaged citizens. In collaboration with the multicultural organizations, there are nearly 150 programs presented each year including programs such as Diversity Leadership Institute, REAL Talk, Black History Month, Hispanic Heritage Month, Native American Heritage Month, Dia de los Mertos, Interfaith Fair, Powwow, Asian Moon Festival and MLK Oratory Competition.

### Women's Outreach Center, Nigh University Center, Room 136, 405-974-3626, Fax 405-974-3928

The UCO Women's Outreach Center focuses on empowering and cultivating leadership in students. This is done by fostering a campus climate that promotes equity and enriches the personal, professional and academic lives of all members of the UCO community, particularly women students, staff and faculty. Example of programs that support this mission include, Women's Leadership Develop Institute, Women's History Month, Vagina Monologues, and the Exploration of the Intersectionality of Race and Gender Series.

## Career Development Center

UCO Career Development Center educates and empowers students and alumni to engage in meaningful lifelong career development. The staff and services are available to guide students in exploring majors, gaining experience through internships, and ultimately finding employment or further education after graduation.

Career Development Specialists meet with students by appointment. Resume walk-in hours are available for phone appointments. They can help students and alumni explore majors and careers, develop effective resumes, prepare for interviews, navigate graduate school admissions, and with searching for internships and jobs.

The Virtual Career Center is available online with resources to help students 24 hours a day.

HireBronchos is UCO's job and internship database. Students and alumni can search local, national, and international job and internship postings by employers looking to recruit UCO students. Students may access HireBronchos on their UCONNECT accounts under the Campus Services tab.

The UCO Career Development Center also hosts several career and internship fairs each year as well as other events and programs. Visit online at [careers.uco.edu](https://careers.uco.edu), in-person at the Nigh University Center, Room 338 (above the food court), or call (405) 974-3346 for more information and resources.

### Centre for Global Competency

The Centre for Global Competency in the Office of Global Affairs at UCO provides students with opportunities to spend a semester abroad at partnering institutions in France, South Korea or other places throughout Europe and Asia. The Assistant Director for Study Abroad works with students to ensure that the time abroad counts towards their degree program. Costs are kept very low. Additionally, most programs include options for students to take classes in English. Students who are interested in these opportunities may contact the Centre for Global Competency by email: [cgc@uco.edu](mailto:cgc@uco.edu), or visit Nigh University Center, Room 137, or call (405) 974-2390.

### Disability Support Services

The Office of Disability Support Services (DSS) assist students with qualifying disabilities achieve access to educational opportunities that are equal to their peers without disabilities. Students with disabilities who require accommodations may contact Disability Support Services where they will be given an opportunity to identify specific educational needs. Students are asked to provide documentation regarding their disability and request for accommodation(s) prior to receiving services. Reasonable accommodations are based on the individual need of the student. DSS can assist the student in removing architectural or attitudinal barriers on campus. A student who believes they have been treated inappropriately because of a disability is encouraged to follow the University's Student Complaint Procedure in Cases of Alleged Disability Discrimination and/or Harassment.

For additional information, visit Disability Support Services, Room 305, Nigh University Center, or call (405) 974-2516.

### Office of Global Affairs

The Office of Global Affairs (OGA), Nigh University Center, Room 137, is the international student's home away from home, and the first place an international student should go when arriving on campus. The Office of Global Affairs is responsible for all recruitment for international graduate and undergraduate students as well as admissions advisement and processing for undergraduate students. The office has DSO's (Designated School Officials) and RO's (Responsible Officers) to help with all immigration related issues and the office also has an intercultural activity advisor who provides an array of both on-campus and off-campus activities for international students and the Edmond community to help foster great cultural understanding. Information on scholarship opportunities specifically designed for international students is also available. For more information on the Office of Global Affairs, call (405) 974-2390, or visit the web site at <https://oga.uco.edu/>

### Plunkett Field and Stage

The Emma Plunkett Field, previously Evans Field, was renovated and irrigated in 2005 to provide a venue for campus and community activities. An official landscaped entryway provides tiered seating. Plunkett Stage is located on the east end of the Plunkett Field. To reserve Plunkett Field and Stage, contact the Office of the Vice President for Enrollment and Student Success, Old North, Suite 404, (405) 974-2361.

### Student Conduct

The purpose of the Office of Student Conduct is to ensure that students are made aware of UCO's policies and standards of behavior, their rights, their options of resources, and their responsibilities to uphold those policies and standards. The mission of the Office of Student Conduct is to determine responsibility in reported matters of misconduct and concern through timely and equitable investigations and educationally appropriate resolutions. The Core Principles of the Office of Student Conduct are character, rights, and responsibilities.

The Office of Student Conduct and / or the Assistant Vice President for Enrollment and Student Success may serve as a channel of communication between instructors and students unable to attend class because of an emergency (which may include death of a family member, extreme illness/hospitalization, jury duty, military leave, or victimization by a natural disaster). To submit a request to have professors notified about emergency absences, please visit <https://www.uco.edu/offices/student-conduct/>. Authentic documentation is required.

The Office of Student Conduct may be reached by calling 405-974-5380. Further descriptions about the operations, policies, and events of the Office of Student Conduct may be accessed at <https://www.uco.edu/offices/student-conduct/>.

### Center for Counseling & Well-Being

#### Nigh University Center, Room 402, 405-974-2215

The University of Central Oklahoma's Center for Counseling and Well-Being provides confidential and free services to help students resolve emotional difficulties, improve personal skills, overcome the effects of trauma or grief, decrease substance use and achieve their intellectual, personal and creative potential. Services are available to currently enrolled students of UCO only. The Center for Counseling and Well-Being is located in Nigh University Center, Room 402, and is open between the hours of 8 a.m. to 5 p.m., Monday through Friday, excluding university holidays. Call (405) 974-2215 or visit <https://www.uco.edu/student-resources/center-for-counseling-and-wellbeing/> for more information.

### Project SPEAK

Project SPEAK works to Support, Promote, Educate and Advocate for Knowledge to promote healthy relationships, provide supportive services to those impacted by any form of violence and ensure a responsive and safe university. Call 405-974-2224 for assistance.

### Testing Services

#### Thatcher Hall 307, 405-974-2388

The University of Central Oklahoma's Testing Center is a national test center for Educational Testing Services (ETS), The



College Board, Assessment Technologies Institute (ATI), and the American College Testing Program (ACT). Testing Services administers the ACT, a national college entrance exam: visit the ACT web site for schedule and registration information. Testing Services also offers residual ACT and institutional TOEFL exams to prospective UCO students (results of residual and institutional exams cannot be transferred to other institutions). Moreover, Testing Services offers two types of “challenge” examinations designed to evaluate learning for the purpose of awarding college credit: 1) Nationally Standardized tests CLEP, DSST, Advanced Placement (AP); and 2) Departmental tests based specifically on UCO curriculum which may be objective, essay, and /or performance based. For more information about these and other tests, visit Thatcher Hall room 319: call (405) 974-2521; or visit <https://www.uco.edu/student-resources/testing-services/>.

## Office of Community Engagement

**Nigh University Center, Room 141, 405-974-2621**

The Office of Community Engagement empowers students to become active citizens and develop a responsibility toward community through service and volunteerism; community partnerships and connections; intentional learning opportunities; and, a focus on civic engagement and critical societal issues. Through involvement and participation in Community Engagement’s programs, leadership opportunities and student-led events, UCO students have the opportunity to give back to and invest in their community on a variety of levels.

Outside of the programs and events hosted by Community Engagement, our office supports UCO students, faculty and staff in their efforts to engage themselves in their community through:

- **Campus-wide service days:** Every year Community Engagement coordinates and recruits volunteers for campus-wide days of volunteerism: The Broncho Difference, The Volunteer Fair, 9-11 Day of Service, Poverty Awareness Week, MLK Day of Service, The Big Event and Alternative Fall and Spring Break programs.
- **Placement:** Community Engagement maintains a database of volunteer opportunities in the Oklahoma City Metropolitan Area. The VSLC helps students and student organizations identify the volunteer opportunity that best matches their interests.
- **Service Learning:** Community Engagement provides training and administrative support for faculty wishing to incorporate service learning into their curriculum.
- **Volunteer Fair:** During Stampede Week, Community Engagement organizes a fair during which students can make connections with area community service agencies.
- **Central Pantry:** A food Pantry for UCO students, faculty & staff. To access the pantry, students, faculty or staff must provide proof that you are currently enrolled or employed at UCO and also fall below the income threshold for your household size. Central Pantry is located in the Nigh University Center Room 203 and is open Monday – Friday 9:00a.m. – 4:00p.m.

**Off Campus Life, Nigh University Center, Room 212A, 405-974-3654**

Off Campus Life offers many resources, services, and programs to assist traditional and nontraditional off-campus students meet

their needs and become active and engaged participants within their respective communities. Contact by email at [offcampuslife@uco.edu](mailto:offcampuslife@uco.edu) or phone 405-974-3654. Some of Off Campus Life offerings include the following:

- Baby Broncho Book – An informational handout about finding childcare in the area, as well as tips for parents
- Off-Campus Housing Guide – A list of rental properties in the Edmond area and tips for renters
- Find A Roommate Program
- City of Edmond Resources including City of Edmond maps, Edmond Living Resident’s Guide
- Rental Advisory - A collection of resources such as the Oklahoma Residential Landlord Tenant Act, Rental Housing Checklist, Fair Housing information, Code Enforcement, Information on Renters Insurance, Edmond City Services, Tips on Being a Good Neighbor, Saving on Energy Bills Tips and Personal Safety Tips.
- GreenRide – A service to encourage environmentally responsible commuting decisions and promote carpooling, walking/biking, public transit, etc. ([uco.greenride.com](http://uco.greenride.com))
- Commuter Meal Plans
- Mass Transportation Information: Citylink & METRO Transit
- Bronchos with Kids– Student groups targeting student parents
- Events to look for: Fall Family Day, Commuter Student Appreciation Week, Housing & Living Fair, and Bronchos with Kids events.

## Office of Sustainability

**Nigh University Center, Room 141, 405-974-3526**

The office of Sustainability provides Central students, faculty and staff the resources needed to create a more environmentally friendly, economically viable and socially aware world. Annual programming includes the Central celebration of Earth Day in April, and the ongoing programs and events offered by the Students for Sustainability student organization. Experiential Learning opportunities can be tailored to individual student needs to enhance the undergraduate experience.

## Y Chapel of Song

The Y Chapel of Song, initiated by the campus Y.W.C.A. in 1941, was designed, created and constructed by the students, faculty, staff and friends of then Central State College. It was completed in 1949, and has fourteen stained glass windows that illustrate songs commemorating scripture and its relationship to daily life. The Y Chapel was placed on the National Register of Historic Places in 2001 because of its unique stained glass windows and level of student involvement. The Y Chapel of Song is located north of Wantland Hall and west of the Music Building.

The Y Chapel is open daily for students, faculty and staff to use for meditation and prayer. It is also available for student activities and ceremonies, as well as weddings. The Y Chapel seats 125; a piano is available. For more information regarding reservations and fees, contact the Office of the Vice President for Enrollment and Student Success, Old North, Suite 404, (405) 974-2361, or visit <https://www.uco.edu/offices/events/y-chapel>.

## Army ROTC Military Ball

The Army ROTC Military Ball is normally held in the spring semester. This formal affair is conducted by the ROTC Cadet

Corps to recognize graduating seniors and broaden cadets' professional development.

### Art Events and Shows

The students and faculty of the Department of Art frequently showcase their work in gallery shows throughout Oklahoma City metro and the Melton Gallery on the University of Central Oklahoma campus. Work created by students and nationally recognized visiting artists in drawing, ceramics, jewelry/metalsmithing, painting, new media and sculpture are displayed in the Student Gallery in the west end of the Art and Design Building and are often accompanied by public lectures, workshops or forums. Exhibits traditionally rotate biweekly, so walk through frequently. At the end of each semester a Senior Capstone Exhibition showcases our students' most ambitious and challenging work. For a schedule of art exhibitions public events or information about classes for non- majors please visit the UCO College of Fine Arts and Design web page at: <https://www.uco.edu/cfad/>

### Commencement

Commencement ceremonies for bachelor's and master's candidates are held twice each year: May and December. All ceremonies are conducted in Hamilton Field House. UCO prides itself on conducting highly personalized ceremonies. The names of all graduates are announced, as are honors, and all master's candidates are hooded as part of their graduation.

### Contemporary Music Activities and Productions

The Academy of Contemporary Music at the University of Central Oklahoma (ACM@UCO), located in downtown Oklahoma City's Bricktown entertainment district, is more than a performance school. It provides students with a well-rounded, entrepreneurial education in the music industry through its focused curriculum; music business, performance and production programs; and real-world networking, entertainment and job opportunities. It also provides students and the community access to cutting- edge contemporary music productions in our ACM Performance Lab. Additionally, ACM@UCO Alive! events showcases our student bands playing rock, country, folk, red dirt, pop, electronic music, hip- hop and more. ACM also hosts master-classes lead by music legends such as Roger Daltrey (The Who), Nile Rogers (Chic), John Oates (Hall and Oates), and Moby, which are free to attend and open to the public. Finally, not to be missed are the school's multiple Metro Music Series events in Bricktown, which also allow unique access for ACM students. For a schedule of ACM@UCO shows and events, visit [acm-uco.eventbrite.com](http://acm-uco.eventbrite.com), [facebook.com/acm.uco](https://www.facebook.com/acm.uco) or [acm.uco.edu](http://acm.uco.edu). For information about classes for non- majors please visit UCO's College of Fine Arts and Design web page at: <https://www.uco.edu/cfad/>

### Dance Activities and Productions

The University of Central Oklahoma Department of Dance provides students multiple opportunities to perform, create and experience dance works. Each semester, the department presents two dance concerts in Mitchell Hall Theatre including the Kaleidoscope Dance Company Concert and the Senior Choreography Showcase. Additionally, they present the Student Choreography Showcase in an intimate studio setting. Kaleidoscope Dance Company has a varied repertoire consisting of modern dance, ballet, jazz, and hip-hop and as received numerous awards for performances and

choreography. For a schedule of dance events and information about classes for non-majors, please visit the College of Fine Arts and Design web page: <https://www.uco.edu/cfad/>.

### Design Events and Shows

The students, faculty and alumni of UCO's Department of Design frequently exhibit their graphic design, illustration and interior design work on campus in the Donna Nigh and Melton Galleries, as well as in the hallways of the Art & Design and Evans Hall buildings. Off campus exhibitions can be seen at the Letterpress & Prototyping Lab, CHK Boathouse and at DC on Film Row. These exhibitions include Addy Award-winning student work, letterpress experiments, grant funded projects, the Illustration Showcase, MFA exhibitions and UCO Design's Senior show. The Department of Design also offers design services to the local and campus communities through three-semi-professional design studios; Clocktower and Inktank provide graphic design services while Charles Evans serves interior design needs. For a schedule of design shows and events and information about classes for non-majors, please visit the College of Fine Arts and Design web page: <https://www.uco.edu/cfad/academics/design/> View our student work at [ucodesign.com](http://ucodesign.com).

### Music Activities and Productions

University of Central Oklahoma students can experience a wide variety of musical experiences through the UCO School of Music. All of our ensembles are open to any students at UCO and include choir, orchestra, band, jazz ensembles and combos, brass ensemble, piano ensemble, guitar ensemble, percussion ensemble, and various chamber music ensembles. Central Musical Theatre and UCO Opera perform eight productions a year which are not to be missed. School of Music students and faculty perform both in Mitchell Hall and our award-winning UCO Jazz Lab in Edmond. Students can perform in the Stampede of Sound Marching Band at football and basketball games, and there are multiple classes for students who want to play an instrument or sing or learn more about music, but not major in music. For a schedule of music performances and information about classes for non-majors, please visit the School of Music web page at: <https://www.uco.edu/cfad/academics/music/>.

### Oklahoma Journalism Hall of Fame

Established in 1971, and administered by a faculty director in the Department of Mass Communication, the Hall has honored more than 400 Oklahoma print, broadcast and digital journalists. Exhibited in the Nigh University Center, an annual induction ceremony for about nine or ten new members attracts more than 250 members, state journalists and their families to UCO.

### Study Abroad

The Centre for Global Competency at UCO provides students with opportunities to spend a semester abroad at partnering institutions in France, South Korea or other places throughout Europe and Asia. The CGC advisor works with students to ensure that the time abroad counts towards their degree program. Costs are kept very low. Additionally, most programs include options for students to take classes in English. Students who are interested in these opportunities may contact the Centre for Global Competency by email: [cgc@uco.edu](mailto:cgc@uco.edu), by visiting, Nigh University Center, Room 137, or calling (405) 974-2390.

## Theatre Activities and Productions

The University of Central Oklahoma Theatre Arts Department is an award-winning program that immerses students in cutting-edge theatre. Students will have an opportunity to perform in a range of theatre from classical, contemporary, and theatre for social change; design costumes, lighting, props, sets, and sound; teach theatre, drama, and competitive speech/debate; and participate in national conferences, festivals, and study tours both nationally and internationally. For a schedule of theatre events and information about classes for non-majors, please visit the College of Fine Arts and Design web page at: [uco.edu/cfad/](http://uco.edu/cfad/).

## UCO Student Association

The University of Central Oklahoma Student Association (referred to as UCOSA) is the governing student organization of the University of Central Oklahoma. UCOSA exists to develop student leadership, represent student issues and concerns, work with faculty and administration to further academic excellence, appropriate Student Activity Fee funds, and assist in the development of student life.

UCOSA consists of the Legislative, Executive, and Judicial branches. The UCOSA Congress makes up the Legislative Branch. Students from every college as well as living situation are represented within the Congress. UCOSA meets weekly to discuss campus affairs, the governing of student organizations, and student-related policies.

The Executive Branch is made up of the UCOSA President and Vice President. The Executive Branch works closely with the faculty and administration to ensure that all students are represented and heard on campus. The UCOSA President is the official spokesperson for the UCO student body and represents UCO on various boards and organizations across the State. The President also represents UCO to other student governments and sits on the Oklahoma Student Government Association (OSGA), the voice of all Oklahoma students.

UCOSA elections are open to students wishing to take an active part in student policy decisions. Students wishing to run for office should contact the UCOSA Election Commission early in the spring semester.

UCOSA helps to coordinate campus activities with student organizations sponsoring big campus events through a variety of councils. The UCOSA Ways and Means Committee can also appropriate one-time and reserve funds from the Student Activity Fee Fund to assist with new programming ideas.

For more information about UCOSA officers or information about UCOSA operations, contact the UCOSA office at (405) 974-2249, or visit the office on the first floor of the Nigh University Center, Room 143.

## Wellness Center Programs

**UCO Group Fitness:** Indoor Cycling | Yoga | Pilates | Zumba® | Kickboxing | Strength | Boot Camp | Core Strength

Group training is motivational and fun. Participants are guided through an entire routine from certified instructors. Wellness Center group fitness classes are designed to meet the needs of all fitness levels and skills.

**UCO Personal Training:** Certified personal trainers provide individual, group and sport specific training. Trainers utilize the Polar BodyAge® system for a comprehensive fitness assessment and program design.

**UCO Intramurals-FALL SPORTS:** Flag Football, Soccer, Softball, Kickball, Team Handball, Volleyball, Ultimate Frisbee and others... **SPRING SPORTS:** Softball, Basketball, Soccer, Tennis, Sand Volleyball, Sitting Volleyball and others.

**UCO Sport Clubs** are men/women, competitive student-led organizations designed to be an athletic alternative that bridges the gap between the existing UCO Intramural program and the UCO Intercollegiate Athletic programs. These Wellness Center based competitive clubs compete against outside (UCO) university/teams and often have their own sport governing bodies

**UCO Outdoor Recreation:** Kayak - Fishing | Birthday Parties | Multi-day trip leading Leave No Trace Workshops | Cast Iron Cooking & much more.

**UCO Adventure Experiences:** ULEAD Challenge Course: Team-building, low and high elements including a 380 foot zip-line. Rock 'N Central: A 1,400 sq. ft. climbing surface complete with a bouldering area and climbing routes of various difficulty, which is located on the east side of the Wellness Center.

**The Endeavor Games** are held in June each year and is a nationally recognized competition that allows all athletes with physical disabilities to participate in a multi-sport event. Participate - Volunteer – Spectate

**UCO Training Site:** was named a Paralympic training site in 2005 and in 2009 obtained the Olympic designation. As a training site, national and international athletes are able to come and train on campus and interact with UCO students and faculty/staff.

**UCO Adaptive and Inclusive Recreation** brings more disability recreation opportunities to the UCO campus. Adaptive and Inclusive Recreation is open to all disabled and able bodied students. Sport opportunities include: wheelchair basketball, wheelchair tennis, wheelchair table tennis, goalball, cycling, sitting volleyball, canoe/kayak, and rock climbing.

## Varsity Athletics

The University of Central Oklahoma fields 14 intercollegiate athletic teams as a member of the National Collegiate Athletic Association (NCAA) Division II and is a member of the Mid-America Intercollegiate Athletics Association. The Bronchos have nine women's programs (cross country, soccer, volleyball, basketball, track and field, softball, tennis, golf and rowing) and five men's programs (football, basketball, wrestling, golf and baseball).

UCO's athletic teams have enjoyed tremendous success, having won 20 national championships 15 in wrestling, two in football, one in softball, and two in rowing. More than 600 student-athletes have received All-America recognition over the years.

Highlighting Central's athletic facilities is the new Sports Performance Center. Opened in the fall of 2018, the SPC houses one of the most high-tech strength and conditioning areas in the country across any division. The 40,000 square foot center also includes an academic center, an athletic training area equipped with hydro-therapy pools, and a Stampede Club room with a 129-seat theatre. Wantland Stadium, one of the finest football stadiums in the country for Division II, has a high-definition video board in the south end zone, luxury suites on the west side of the stadium, and also a booster-club deck in the north end zone atop the Sports Performance Center. In 2015, the completion of the CHK | Central Boathouse gave the university one of the premiere rowing facilities in the nation, which

is home to the 2018 and 2019 NCAA Division II national champions. The university also opened a brand new, state-of-the-art softball stadium in the Spring of 2017 with first-class amenities. Basketball, wrestling and volleyball all utilize historic Hamilton Field House, which is also used for graduation ceremonies in December and May. There are also six lighted tennis courts, a baseball field (Wendell Simmons Field), and a soccer field (Tom Thompson Field). UCO's nationally renowned golf teams utilize some of the finest courses in the Oklahoma City-metro area, including KickingBird, Rose Creek, Oak Tree and Gaillardia.

## University Student Media

UCentral serves as the transformative learning experience for Mass Communication students majoring in Professional Media while offering a student media perspective for the University of Central Oklahoma. Students are given the opportunity to focus on journalistic methodology and technical aspects of developing news, opinions, entertainment and public information while the UCentral newsroom and studios provide a unique technology that progresses an idea from concept to realization through traditional and online media. The purpose of UCentral is two-fold: assist students in learning professional media while providing relative news, information, opinion and entertainment to UCO students and external communities.

### Student TV / Featurecasts

Since 1976, the student television station has consistently produced award-winning news and entertainment programs. UCentral continues this professional practice with four evening newscasts, a weekly sportscast, and several online features. These programs take advantage of today's live streaming technology on Facebook and Twitter while still broadcasting on Cox digital channel 125 within the city of Edmond, Oklahoma.

### *The Vista*, The Student Newspaper

The Vista, established in 1903 as the student newspaper of the University of Central Oklahoma, is the longest, continually published student newspaper in the state of Oklahoma. Distributed weekly free of charge on the UCO campus, The Vista serves as an integral part of the journalism experience and education of Mass Communication Department students. The Vista, published as an independent student publication, serves as a news and information source and public forum for the UCO community. Current stories are updated daily on social media and ucentralmedia.com, in addition to past issues of the paper available in The Vista Archives section.

### Student Web/Online Media

UCentral's online presence is the focal point for news, information and entertainment from the combined, journalistic efforts of the campus newspaper and student newscast. Through the ucentralmedia.com website and social media sites this medium serves today's UCO students with relative information, the ability to provide input as to what information is important to them and express their opinions.

### Student Radio

UCentral Radio (KZUC 99.3fm), is the University of Central Oklahoma's student radio station. UCentral Radio is a low-power FM station that broadcasts contemporary music along with local

news and sports content from Central's Mass Communication students. Follow on Twitter @ucentralradio.

### KUCO FM Radio

Oklahoma's only 24-hour fine arts broadcasting service is located at the University of Central Oklahoma. KUCO, 90.1 FM, operates with 100,000 watts and has repeaters in McAlester and Woodward. With over 45,000 listeners, KUCO, on the air since 1966, KUCO plays over 100 hours of classical music each week and is a leader in fine arts programming. It also supplies the University with an avenue of community service and is one of the premier arts organizations in central Oklahoma.

## University Services

### Alumni Relations

The UCO Alumni Relations Office serves as the bridge for all graduates and former students of the university. Alumni Relations goal is to maintain meaningful relationships with alumni through specialized events and communication pieces. The office also helps alumni (graduates and former students) reconnect with former classmates and faculty. The UCO Alumni Relations Office works in tandem with the non-profit UCO Alumni Association. Membership is open to any graduate, former student or friend of the university. For more information call, (405)974-2421, visit the alumni web-site at CentralConnection.org or stop by the Alumni Relations Office located in Evans Hall.

### Center for eLearning and Connected Environments (CeCE)

The Center for eLearning and Connected Environments (CeCE), a division of Academic Affairs, provides course development and faculty support services for online, Self-Paced Online Courses (SPOC), hybrid, and interactive video courses. This unique center supports UCO and its colleges in helping individuals become productive, creative, ethical, and engaged citizens of the global community. The Center for eLearning and Connected Environments is located at 201 N. Bryant, (405) 974-2420. For more information visit the CeCE website: <https://cece.uco.edu/>

### Self-Paced Online Courses

Self-Paced Online Courses (SPOC) are courses that allow students the flexibility of enrolling at multiple times throughout the year. Students enrolled in SPOC, work independently under the supervision of a UCO faculty member and submit coursework at their own pace. Self-Paced Online Courses must be completed within the scheduled course period. SPOC may be used to satisfy the 30-hour residency graduation requirement (OSRHE policy exception granted Spring 2008). SPOC is considered correspondence courses.

For more information about self-paced online courses, contact the SPOC office at 405-974-2393, or by email at [spoc@uco.edu](mailto:spoc@uco.edu) or visit <https://cece.uco.edu/Spoc.html>

### Interactive Video Courses (IVC)

Interactive Video Courses (IVC) are conducted using video-based technology systems where students connect and interact in real-time with other students and faculty members through the use of Internet-enabled devices or by reporting to a designated location. Interactive Video Courses are conducted at a scheduled time.

\*r information about a specific IVC, contact the academic department offering the course. For any additional information about IVC, contact the IVC office at 405-974-5395, by email at [ivc@uco.edu](mailto:ivc@uco.edu).

### Customized Education (CE)

Customized Education at the University of Central Oklahoma provides professionals throughout the Oklahoma City metro with opportunities for business growth, networking, career advancement and professional development through non-credit courses and certificates. Learn more at [ce.uco.edu](http://ce.uco.edu).

### The Language Company

As UCO continues to expand globally, The Language Company, a privately-owned school, is reaching out to international students by providing English as a Second Language programs on nine levels of instruction in addition to special private courses. International students participate in four-week classes designed to give them English skills necessary to succeed and to exhibit requirements for admission into U.S. colleges and universities. For more information contact Ms. Robbie Scott, (405) 341-2125

### OU Physicians Health and Wellness Clinic at UCO

The University of Central Oklahoma campus includes an OU Physicians Health and Wellness Clinic to serve UCO students, employees and the public. The clinic provides comprehensive primary care, including immunizations, annual wellness exams, sports physicals and the treatment of general illnesses and injuries, among other services.

The clinic is located in the Wellness Center, room 105. It is open Monday-Friday from 8 a.m. to 5 p.m. Students, staff and members of the public can make appointments by calling 405-974-3161.

### Immunizations

Oklahoma state law requires that all students who attend Oklahoma colleges and universities provide proof of immunization for certain diseases. If a student cannot verify immunizations, they will need to be re-immunized. Medical, religious and moral exemptions are allowed by law and such requests must be made in writing.

Recent Oklahoma high school graduates, United States college transfer students and active United States military personnel may already be compliant. Students can verify if they have an enrollment hold through UCONNECT.

For more information on Immunization requirements visit <http://www.uco.edu/em/apply/immunizations.asp>

### Student Health Insurance

Information on the UCO student insurance plan is available in the brochure rack near the Center for Undergraduate Academic Advisement, Nigh University Center, Room 121. International students should contact the Office of Global Affairs, Nigh University Center 137, (405) 974-2390 or review <https://oga.uco.edu/cost/insurance/>.

### Mail Service

All postal services are available, including post office box rental, at the R.K. Black Office located in the Nigh University Center on the first floor, suite 146. International delivery is

available as well as shipping services via UPS, FedEx, DHL, and USPS. R.K. Black is also the mail service provider for students that reside in UCO housing. Call 405-974-2732 or visit <https://www.uco.edu/student-resources/print-mail/> for more information.

### Office of High-Impact Practices

The Office of High-Impact Practices promotes Transformative Learning through student-centered high-impact teaching practices including undergraduate research. The office facilitates high-impact teaching practices in curricular and co-curricular activities, and administers undergraduate research programs at UCO including the student Research, Creative and Scholarly Activity (RCSA) and Undergraduate Research Abroad (URA) grant program (<https://www.uco.edu/academic-affairs/office-high-impact-practices/>). In addition, the office collaborates with other programs and offices on campus promoting high-impact practices. For additional information, please contact the Office of High-Impact Practices at (405) 974-5086 or [ohip@uco.edu](mailto:ohip@uco.edu).

### Office of Research & Sponsored Programs

The Office of Research & Sponsored Programs promotes transformational learning through its support of research, creative, and scholarly activities at UCO. To support students engaged in research, creative, and scholarly activities, the Office of Research & Sponsored Programs works in collaboration with the Office of High Impact Practices (<https://www.uco.edu/academic-affairs/office-high-impact-practices/>) and offers support to faculty for intramural and extramural funding opportunities. In addition, the Office of Research & Sponsored Programs offers the Faculty Research, Creative & Scholarly Activity (RCSA) Presentation Grant Program to provide monetary support for air travel for faculty who are presenting their research, creative and scholarly activities at professional conferences (<https://www.uco.edu/academic-affairs/office-research-sponsored-programs/grants/faculty-rdsa-presentation-grant/>). For additional information, please contact the Office of Research & Sponsored Programs at (405) 974-3492

### Office of Research Integrity and Compliance

The Office of Research Integrity and Compliance provides guidance and oversight for all human subjects research and vertebrate animal research, including studies conducted by students, faculty, and staff. The office administers the Institutional Review Board and the Institutional Animal Care and Use Committee and assures compliance with federal regulations. For additional information, please contact the Office of Research Integrity and Compliance at (405) 974-5497, [irb@uco.edu](mailto:irb@uco.edu) or visit <https://www.uco.edu/academic-affairs/office-research-integrity-compliance/>.

### Photographic Services

Photographic support is provided by the UCO Photographic Services Department, which takes virtually all of the student photos used by the VISTA, Sports Publicity, and Public Information.

### Reading Services

Students who feel a need for improvement of reading and study efficiency and/or rate improvement may enroll in College Reading and Study Skills. This course is offered each fall and spring semester. College Reading and Study Skills is an individualized course designed to meet the reading and study skill needs of a diverse student population.

The University Reading Clinic offers diagnostic and remedial services to elementary and middle school pupils on a fee basis. With the supervision of a professor, education students working on their Master of Education in Reading conduct diagnostic evaluations and provide instruction to students in the Reading Clinic to fulfill degree requirements. Those interested in obtaining these services should contact the Director of the Reading Clinic, University of Central Oklahoma, Edmond, OK 73034, or call (405) 974-5711.

### **UCO Learning and Behavior Clinic**

The Department of Psychology of the College of Education and Professional Studies sponsors The UCO Learning & Behavior Clinic (LBC) as a part of the University of Central Oklahoma's graduate school psychology training program. The LBC provides a broad range of academic, social, and behavioral assessment and intervention services for children and adults as well as professional development opportunities for schools, school psychology practitioners, mental health providers, and other educational professionals. The LBC provides these services at a reasonable fee and all clinicians are under the direct supervision of clinic director, Dr. Erika Olinger. The LBC is located at: 301 S. Boulevard, Suite 117, Edmond, Okla. 73034. Information and appointments can be made by calling the LBC at 405-285-6671.

### **Scott F. McLaughlin Speech and Hearing Clinic**

The Scott F. McLaughlin Speech and Hearing Clinic at the University of Central Oklahoma offers clinical evaluations and treatment for speech, language, and hearing difficulties. Services are available for toddlers, preschoolers, school-age persons, and adults. Clinical services address articulation, language, fluency, voice disorders, and accent reduction. Hearing services include screenings, evaluations, and hearing aid counseling. Services are available to the public on a fee basis. Fees are reduced for UCO staff, faculty, and students. Students in training provide clinical services under the supervision of licensed staff members. The Scott F. McLaughlin Speech & Hearing Clinic is located in Chambers Library. Those interested in receiving individual services are invited to contact the Clinical Coordinator, Speech and Hearing Clinic, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034, or call 974-5419.

### **The Bell**

The Broncho Education and Learning Lab (The BELL) is your central information center for tutoring on the UCO campus. The BELL now has three locations to better offer assistance to students. The first is located in the northeast corner of West Hall, across from Buddy's Cafeteria, and the second is located in room W112 of the Quad Residence Hall. The third BELL location is offered to student athletes and is located on the third floor of the Sports Performance Center. The Bell offers scheduling for and/or information about all free tutoring services and academic support programs on campus. The Bell houses the UCO English and Writing Lab and provides tutoring for lower-level math and science classes. The Bell also serves as home base for the Supplemental Instruction Program. For more information call, (405)974-2487, or visit the The Bell website: <https://www.uco.edu/student-resources/bell/>.

### **UCO Office of Information Technology**

*For Your Technology Needs, Issues and Support, Contact the UCO*

#### **Service Desk:**

**Telephone:** 405.974.2255

**e-mail:** [support@uco.edu](mailto:support@uco.edu);

**online:** [servicedesk.uco.edu](http://servicedesk.uco.edu)

**or Walk-up Service:** North East Corner, 1st Floor of the Max Chambers Library.

**For more information, see:** <http://technology.uco.edu>

The Office of Information Technology (OIT) is responsible for providing technology solutions which directly support and advance the mission, vision, and goals of the University of Central Oklahoma. OIT offers students, faculty, and staff a wide range of technology services for their educational experience.

Students, faculty, and staff who use University of Central Oklahoma technology network, infrastructure, hardware, software, and services automatically agree to follow university and technology policies and procedures. Failure to do so could result in loss of access to technology resources. For up-to-date information regarding all University technology policies see [techpolicies.uco.edu](http://techpolicies.uco.edu).

The UCO Service Desk manages all requests for technology-related support and services. The Service Desk is able to assist with account access, software installation, and other computer related issues. Individuals or departments may contact the Service Desk for technical consulting, support services, and for troubleshooting. There are four methods for obtaining assistance: (1) send an e-mail to [support@uco.edu](mailto:support@uco.edu); (2) call 405.974.2255; (3) visit [servicedesk.uco.edu](http://servicedesk.uco.edu) or (4) or visit the Walk-Up Service area located in the Max Chambers Library. For support hours, visit: [servicedesk.uco.edu](http://servicedesk.uco.edu). In addition, 24/7/365 support is available for all Learn@UCO (D2L) assistance.

OIT maintains all campus-wide technology licenses for university standard software and has negotiated reduced pricing for software and hardware available through our Central Tech Store. Free downloads of Microsoft Office 365 Pro Plus, anti-virus, etc. are available to students through the online tech store. Technology purchases may be made on-line or at the store in the Nigh University Center. In addition, the Central Tech Store has a certified technician on staff and can perform services and repairs on Apple, Dell and other computers for a fee. For more information visit [techstore.uco.edu](http://techstore.uco.edu).

The Digital Den, a general-purpose computer lab is located on the first floor of the Nigh University Center, Room 152. The computer lab provides students with access to campus standard software and services, including Internet access, UCONNECT, Desire2Learn, Microsoft Office, Adobe Creative Cloud, SAS, and SPSS. Laptops are also available for checkout in the Max Chambers Library, room 107. In addition, some of the colleges offer computing labs, usually for their students. For lab hours, visit [labs.uco.edu](http://labs.uco.edu).

UCO offers a unique printing solution providing print-from-anywhere on campus designed to more conveniently meet the needs of UCO students, faculty and staff. For more information and instructions, visit: [printing.uco.edu](http://printing.uco.edu).

UCO is a wireless campus. The UCO standard for the wireless network is IEEE 802.11 a/c. For information on connection settings and supported devices visit: [wireless.uco.edu](http://wireless.uco.edu).

Each student is provided with a UCO Gmail account for official university correspondence and web-based access to the student's personal records through UCONNECT.

Students are encouraged to provide updated security notification information in Central Alert, UCO's emergency notification system. Login to UCONNECT to update "My Central Alert" on the Student Information tab.

OIT's Technology Resource Center (TRC) located on the 1st floor of the Max Chambers Library, room 107 provides training for students, faculty, and staff to learn how to use the campus e-mail system and campus standard software; e.g. Microsoft Office, Learn@uco.edu, and others. The TRC also provides assistance and consultations for distance learning and related technologies. More information is available at [trc.uco.edu](http://trc.uco.edu).

Multimedia Services offer an equipment check out program for students, faculty and staff. Student organizations and class-sponsored events and assignments may take advantage of these resources. Some of these resources include laptops, projectors, HD Camcorders, iPads, portable screens and PA systems.

## UCO Public Safety

The UCO Department of Public Safety is comprised of three operational units. These include Police Services, Emergency Management, and Life/Fire Safety. The more than 3 full and part-time employees working within these areas are dedicated to the safety and security of all members of the university community and campus guests. Information about campus safety and security activities can be obtained by calling (405)974-2345 or via the internet ([www.uco.edu](http://www.uco.edu)). Each fall an Annual Security and Fire Safety report is prepared and disseminated through various means to members of the community as well as prospective students, their families and the general public. This report (also available via the UCO web site) contains information on safety and security activities, crime statistics and contact information for individual offices.

UCO is the safest campus in Oklahoma based on reported crime statistics for institutions with more than 5,000 students. Despite this fact, we understand that our campus is not immune from crime and other incidents that could cause risk to our community members. Our mission is to help you be and feel safe to ensure that you are able to pursue your academic interests. Together we will continue to keep UCO safe and secure for everyone.

## University Police

Police patrol services are provided by commissioned, armed and state-certified police officers. University police officers are responsible for building security, response to emergencies, investigation of crimes that occur on campus, crime prevention activities and a myriad of other activities that help support the educational mission of UCO. University Police also employs students through the Community Service Officer program to perform general safety and security services. These include building security, Safe-Walk escorts and motorist assistance.

Police officers and students are supported by full-time certified police communications officers who operate the police radio and telephone systems as well as the Oklahoma Law Enforcement Telecommunication System. Using the National Crime Information System, UCO police have immediate computer access to nearly all law enforcement agencies in the United States.

The University Police building is located immediately northwest of Old North, next to University Drive. They operate twenty-four hours a day, seven days a week year round. For non-emergency matters, call (405)974-2345. Emergencies may be reported via 9-1-1 from any campus telephone or cell phone. Students, faculty and staff are also encouraged to download the UCO Safety App from Google Play or the Apple App store. This app allows community members to receive information about a safety

or security challenge in a timely fashion as well as communicate directly to University Police in the event of a problem.

Students interested in completing an internship within Police Services or any unit of Public Safety should contact their professor first to coordinate and approve the concept, then call (405)974-2345. Students engaged in internships are able to observe and gain practical exposure to any and all elements of campus public safety operations on a large college campus.

## Emergency Management

UCO was one of only a handful of campuses nationwide to be awarded a planning grant from FEMA under their Disaster Resistant University program. The results of that comprehensive planning process have helped UCO design a long-term plan to make the campus community more resistant to emergency situations. In addition, UCO was the first college campus in the region to appoint a full-time staff person charged with coordinating and planning the campus emergency management activities.

Emergency Management is continually engaged with other campus departments and external agencies to review and update UCO's emergency response plan. Emergency response guideline booklets and/or emergency exit placards have been installed in classrooms, labs and common areas throughout campus.

UCO has adopted the A.L.I.C.E. (Alert, Lockdown, Inform, Counter, Evacuate) program to aid community members. Emergency Management and University Police personnel conduct training regularly and upon request for campus groups, departments, and organizations. The purpose of A.L.I.C.E. is to empower community members with knowledge and confidence in response to a crisis such as an active shooter on campus. For more information on A.L.I.C.E. please call Emergency Management at (405)974-2219.

Central Alert is one of UCO's primary emergency communication tools. All UCO community members can receive emergency information from UCO via e-mail, cell phone, text message and home or office phones. Text messaging may result in a charge to the recipient. Parents can have their students add their home phone number or cell number to the notification list if they desire. This system will only be used to communicate emergency information. This includes circumstances where notification of a campus closure is necessary and there is not adequate time for students to get this information via normal channels such as local media, web site and campus closing telephone information number. The Central Alert system is maintained by the UCO Information Technology Office and operated by Public Safety.

For more information on emergency management activities at UCO please call (405)974-2219 or visit the UCO [web site](#).

## Life/Fire Safety

UCO has a state-of-the-art fire detection and alarm network across most buildings on campus. The Life/Fire Safety unit maintain this networked system through normal repairs and upgrades and annualized inspections in partnership with a professional vendor. These systems incorporate a voice-addressable component that allows Public Safety to play pre-recorded messages such as evacuation and shelter instructions and can speak live-voice when this is the best option.

UCO's Fire Marshal is an expert in life safety and building code compliance and works with campus departments to ensure

that our facilities are safe, accessible and properly maintained. These efforts are supported by staff who inspect and maintain more than 1,000 fire extinguishers installed in every building on campus. For more information on life/fire safety activities on campus please call (405)974-2345 or visit our web site.

### Access Control

The Access Control unit manages thousands of campus locks and keys and is an integral component of UCO's overall security activities. Students are not issued keys to University non-residential buildings or individual offices except in rare circumstances. UCO is embarking on a program to install electronic locking devices on all primary building entrances. The system will drastically increase security and convenience for students, faculty and staff. The new system will use the UCO identification card to allow access to authorized users, which includes residential facility access and other locations to aid students as may be appropriate. This program will require several years to complete and in the transition, Access Control will work to ensure that our facilities remain secure but accessible by our community members.

### Environmental Health and Safety

Environmental Health & Safety (EHS) compliance at the University of Central Oklahoma is the responsibility of all faculty, staff and students. The EHS is a division of the Department of Public Safety. It is responsible for coordinating health and safety efforts campus-wide. These efforts include life and fire safety code compliance. Students are expected to honor all university environmental and safety requirements and policies. Students should follow the guidance of faculty and staff working in their respective areas to ensure that the academic and residential environments are as safe as possible in terms of EHS issues. Safety questions should be addressed to (405) 974-2216. The EHS division has five full-time safety professionals to assist UCO departments in meeting their safety and environmental needs, including:

- Environmental & Safety Compliance
- Life Safety Monitoring (Fire Systems)
- Asbestos Management
- Hazardous Materials Management
- Assistance with Material Safety Data Sheets
- EHS Awareness Training
- Determination of training needs and requirements in EHS matters campus-wide
- Development of EHS systems for UCO Departments
- Other assistance as required or requested

Students who have a safety question or concern related to class activities should first address it to the faculty member of the specific class. If the faculty member cannot answer the question or concern, the issue should be brought to EHS. Some classes require a safety component within the class framework. If a student feels that the safety aspect of any class is not being properly addressed by the instructor, that student should contact EHS. Unsafe conditions or environmental problems can be reported on the UCO Safety Line, (405) 974-3000, or simply 3000 from any campus telephone. Students who work at UCO are expected to follow all EHS compliance rules and regulations just as full-time employees are expected to do. Every fire alarm in a UCO residential unit or academic building should be treated as a real alarm and the facility evacuated. New students who reside in UCO

Residence Halls should request Fire Safety training from their Resident Life Assistant. When the University has construction projects underway, students should obey signs and directions and stay out of areas under construction. Emergency help is available from any campus telephone by dialing 911.

### Risk Management

UCO is insured through the Office of State Risk Management. The UCO Risk Manager, located in UCO's Office of Environmental Health and Safety, coordinates all insurance activities for the University in partnership with UCO Legal Counsel.

Students desiring insurance coverage for their personal property must provide their own. UCO is not responsible for stolen or lost property or damaged personal property on the University campus. UCO is not liable for personal injuries sustained by students in classes, laboratory settings, residence facilities, grounds, events, etc., unless State Risk Management, working with the State Attorney General Office, determines that the cause of the incident leading to the injury is due to negligence on the part of UCO. Student's are encouraged to have full insurance coverage on motor vehicles, as the university does not indemnify against losses to vehicles operated or parked on university property.

### Transportation and Parking Services

The mission of Transportation and Parking Services is to provide the UCO community a safe environment and access to campus facilities by efficiently and cost-effectively managing all available transportation and parking resources in support of the university's mission. TPS is responsible for campus parking rules and regulations, distribution of parking permits, the use of e-scooters on campus and management of parking facilities. Alternative transportation efforts are also overseen by TPS and include the free Broncholing bus services, carpool program, and Central Cycle..

Find more details about TPS's services and programs, ordering a parking permit or paying a citation at [www.uco.edu/parking](http://www.uco.edu/parking). For any questions, please contact TPS at (405) 974-2780 or [parking@uco.edu](mailto:parking@uco.edu). TPS offices are located in Bausher Place, room 201.

### University Library

Chambers Library's website is <https://library.uco.edu>.

The main phone number is 405-974-3361.

Library Hours for fall and spring semesters:

Mon-Thu - 7:30am-2:00am

Friday - 7:30 am-6:00 pm

Saturday - 10:00 am-6:00 pm

Sunday -12:00 pm-2:00 am

Chambers Library provides expert staff to help students and researchers learn about library resources and services. Librarians are available for individual research sessions; schedule using the "Here to help!" link on the library website. Visit the library to relax, and socialize in a bright and welcoming environment. The library fosters a collegial atmosphere for both collaborative and individual study. Group study spaces can be reserved via the website.

The library website is the gateway to a large array of services and resources. These include, but are not limited to, Central Search (a one-stop discovery system for millions of full-text articles, books, and physical materials), specialized databases, Interlibrary Loan, research guides, information literacy tutorials,



access to the Innovation Studio, and the ability to check out other technology from the Information Desk. The “My Account” feature of Central Search, allows patrons to renew library materials, place holds, and track personal preferences.

The Innovation Studio is located on the 1st floor of the library and provides access to 3D printers, virtual reality, the McCasland Recording Studio equipped with a green screen, 3D cameras, a large format printer, Cricut machine, and 4K video-editing laptops. You can find out more about reserving equipment and items for check-out on the library’s homepage under “Innovation Studio.”

The UCO Archives & Special Collections on 2nd floor houses the permanent archive for UCO and many special collections acquired by the university through generous donations. These rare materials and unique collections include manuscripts, photographs, scrapbooks, memorabilia, works of art, books, and periodicals related to the history, literature, and culture of Oklahoma and the Southwest. A reading room is available for use of Special Collections materials. Some of the collections are also available online through the Archives website: <https://library.uco.edu/archives>.

The Friends of Chambers Library hosts special events for both UCO and the wider Edmond community to enjoy. The library utilizes social media and its website to advertise events, contests, and other opportunities that contribute to the vibrant atmosphere of UCO.

## Information for Students with Disabilities

Sections 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 as amended require the University to make reasonable accommodations in providing students with disabilities access to an equal educational opportunity. Students needing special accommodations should contact the office below for their particular needs.

### Disability Support Services

The Office of Disability Support Services (DSS) assist students with qualifying disabilities achieve access to educational opportunities that are on par with those enjoyed by their peers without disabilities. Students with disabilities who require accommodations may contact the Disability Support Services Office where they will be given an opportunity to identify specific academic and /or housing needs. Additionally, students will be asked to provide documentation regarding their disability and request for accommodation(s) prior to receiving services. Reasonable accommodations are based on the individual need of the student.

DSS can assist the student in removing architectural or attitudinal barriers on campus. A student who believes they have been treated inappropriately because of a disability is encouraged to follow the University’s Student Complaint Procedure in Cases of Alleged Disability Discrimination and/or Harassment.

For additional information, visit <https://www.uco.edu/student-resources/dss/>, Room 305, Nigh University Center, or call (405) 974-2516.

### Academic Resource Labs

The University offers assistance to strengthen academic

abilities through various academic labs on campus. The Broncho Education and Learning Lab (The BELL) now has three locations to better offer assistance to students. The first is located in the northeast corner of West Hall, across from Buddy’s Cafeteria, and the second is located in room W112 of the Quad Residence Hall. The third BELL location is offered to student athletes and is located on the third floor of the Sports Performance Center.

The Bell is your central information center for tutoring on the UCO campus. The Bell does not contain a computer lab but students can find direction to the many labs on campus at The Bell.

For a list of labs across campus and other technology help for students visit: <https://www.uco.edu/technology/technology-resources-for-students>

### Admissions

All students are required to meet regular admission requirements. Appropriate documentation from a medical doctor or other approved professional will permit a student to take the ACT Test under non-standard testing conditions which may include large print, extended time, or a taped test. For additional information contact Testing Services, Thatcher 301, at (405) 974-2388.

### Building Accessibility

Buildings on campus are accessible to students with disabilities. Automatic door openers have been installed at numerous entrance doors throughout campus. Elevators and chair lifts are located in several buildings around campus. Additional designated parking, curb cuts and ramps have been installed throughout campus. Restrooms have been remodeled to permit accessibility, water fountains lowered, and emergency alarm systems updated.

### Enrollment

Enrollment Services (Admissions), advisement, financial aid, veterans services, business office, registration areas and the Bursar are conveniently located on the first floor of the Nigh University Center.

Students whose disabilities require assistance with enrollment procedures are encouraged to make their special needs known to Disability Support Services Office, Nigh University Center 309, (405) 974-2549

### Financial Aid

Students are encouraged to contact the Student Financial Aid Office to determine if scholarships, grants, fee waivers, or other financial aid is available. The Student Financial Aid Office is located Room 424 of the Nigh University Center or may be contacted at (405) 974-2727.

### Library

The library has been designed to improve access for students with disabilities. There are ramps up to the walkway leading to the library, wide entrances and exits with an automatic door opener on one door, elevators and 36” aisles between the ranges in open stack areas. The library has a collection of large print books and cassettes. A color, text magnification system provides enlargement of up to 60 power for maps, textbooks, and other reading materials.

Staff members are available to assist students find materials and provide help in locating, retrieving, and photocopying materials. A student with a disability should contact any library staff member and request assistance when needed.

## Living Accommodations

West Hall, The Quad, University Suites and the University Commons each have rooms fully accessible for students with physical disabilities. These facilities have fully accessible bathrooms, including roll-in showers. West Hall and Murdaugh Hall have lobbies centrally located, and the study rooms and lounge areas of the University Suites and The Quad are spaced throughout and fully accessible.

All of the dining areas are accessible, with *Ayers Kitchen* just east of West Hall and the *Sidelines Grill* located within the University Suites, and provide a comfortable atmosphere for enjoying the variety of options provided for students' meals. Students with disabilities can contact the manager of the dining facility should they need assistance ordering food, or have special dietary needs that require access to alternative foods and drinks.

## College Reading and Study Skills

Students who feel a need for improvement of reading and study efficiency may enroll in College Reading and Study Skills. This course is offered each semester and is an individualized course designed to meet the needs of each student in reading comprehension, study skills, vocabulary, and rate (speed) of reading.

## Speech and Hearing Clinic

The Scott F. McLaughlin Speech and Hearing Clinic at the University of Central Oklahoma offers clinical evaluations and treatment for speech, language, and hearing difficulties. Services are available for toddlers, preschoolers, school-age persons, and adults. Clinical services address articulation, language, fluency, voice disorders, and accent reduction. Hearing services include screenings, evaluations, and hearing aid counseling. Services are available to the public on a fee basis. Fees are reduced for UCO staff, faculty, and students. Students in training provide clinical services under the supervision of licensed staff members. The Scott F. McLaughlin Speech & Hearing Clinic is located in Chambers Library. Those interested in receiving individual services are invited to contact the Clinical Coordinator, Speech and Hearing Clinic, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034, or call 974-5419.

## Vocational Rehabilitation Services

The Oklahoma Department of Rehabilitation Services works closely with the University and provides vocational rehabilitation services to students with impairments who qualify. Services are varied and individualized, according to each student's need. The main focus is to assist the student in preparing for employment. Additional information may be obtained directly from the Vocational Rehabilitation Office at Shepherd Mall, Oklahoma City or by phone at (800) 845-8476.

## University Catalog Statement / Disclaimer

This catalog has been prepared for the benefit of the University of Central Oklahoma community and others wishing to know more about the university's academic programs. The officers of the university believe the information contained herein is accurate as of the date of publication. In the best interest of the University of Central Oklahoma community, academic programs are kept relevant by continuous revision of curricula, and the uni-

versity reserves the right to modify any provision of its policies, procedures, regulations, or other matters, without prior notice, to conform with policies and practices as approved by the appropriate university officers or state officials.

**Consequently, the information contained in this catalog is subject to change before the next catalog is published. It is ultimately the responsibility of students to keep abreast of current regulations and the status of their programs.**

*UCO Undergraduate  
Majors,  
Minors, Certificates  
and Non-Degree  
Programs*

# Undergraduate Majors Codes

A.A.S. = Associate in Applied Science	B.B.A. = Bachelor of Business Administration	B.M.Ed. = Bachelor of Music Education
B.A. = Bachelor of Arts	B.F.A. = Bachelor of Fine Arts	B.S. = Bachelor of Science
B.A.Ed. = Bachelor of Arts in Education	B.F.A.Ed. = Bachelor of Fine Arts Education	B.S.Ed. = Bachelor of Science Education
B.A.T. = Bachelor of Applied Technology	B.M. = Bachelor of Music	

## College of Business

2000	B.S.	Accounting
2086	B.B.A.	Business Administration - General Business
2087	B.B.A.	Business Administration - International Business
2088	B.B.A.	Business Administration - Business Law
2040	B.B.A.	Economics
2042	B.B.A.	Economics - Energy Economics
2060	B.B.A.	Finance
2062	B.B.A.	Finance - Insurance and Risk Management
2103	B.B.A.	Information Systems and Operations Management - Management Information Systems
2104	B.B.A.	Information Systems and Operations Management - Operations and Supply Chain Management
2120	B.B.A.	Management
2122	B.B.A.	Management - Human Resource Management
2126	B.B.A.	Management - PGA Golf Management
2140	B.B.A.	Marketing
2144	B.B.A.	Marketing - Professional Selling

## College of Education

3246	B.S.	Career, Technical & Workforce Development - Family and Consumer Sciences
3245	B.S.	Career, Technical & Workforce Development - Trade and Industrial
3247	B.S.	Career, Technical & Workforce Development - Workforce Development
3000	B.S.Ed.	Early Childhood Education
3020	B.S.Ed.	Elementary Education
3040	B.S.	Family Life Education - Child Development
3041	B.S.	Family Life Education - Gerontology
3042	B.S.	Family Life Education - Marriage and Family
3060	B.S.	Fashion Marketing
3220	B.S.	General Studies
3120	B.S.	Kinesiology - Exercise/Fitness Management
3122	B.S.	Kinesiology - Outdoor and Community Recreation
3080	B.S.	Nutrition, Dietetics and Food Management
3261	B.S.	Occupational Safety
3230	B.S.	Organizational Leadership
3140	B.S.Ed.	Physical Education/Health
3300	B.A.	Psychology
3102	B.S.	Public Health
3321	B.S.Ed.	Special Education - Mild-Moderate Disabilities
3322	B.S.Ed.	Special Education - Severe-Profound/Multiple Disabilities
3340	B.S.	Speech-Language Pathology

## College of Fine Arts and Design

1006	B.F.A.	Art - Studio Art
1021	B.A.Ed.	Art Education
1141	B.A.	Art History
1110	B.A.	Arts Administration
1450	B.A.T.	Audio Production
1460	B.A.T.	Commercial Music
1430	A.A.S.	Contemporary Music Business
1400	A.A.S.	Contemporary Music Performance
1420	A.A.S.	Contemporary Music Production
1101	B.F.A.	Dance
1102	B.A.Ed.	Dance Education
1040	B.F.A.	Design - Graphic Design
1041	B.F.A.	Design - Interior Design
1090	B.A.	Music

1060	B.M.	Music - Instrumental Performance
1073	B.M.	Music - Jazz Performance
1072	B.M.	Music - Musical Theatre
1068	B.M.	Music - Vocal Performance
1082	B.M.Ed.	Music Education
1130	B.A.T.	Technology Application Studies
1123	B.F.A.	Theatre Arts - Design and Technology
1122	B.F.A.	Theatre Arts - Performance
1124	B.F.A.Ed.	Theatre/Communication Education

## College of Liberal Arts

5080	B.A.	Applied Liberal Arts
5320	B.A.	Communication - Interpersonal Communication
5282	B.A.	Criminal Justice - Corrections
5284	B.A.	Criminal Justice - General Criminal Justice
5285	B.A.	Criminal Justice - Police
5040	B.A.	English
5042	B.A.	English - Creative Writing
5060	B.A.Ed.	English Education
5100	B.A.	Geography
5122	B.A.	History
5121	B.A.	History - Museum Studies
5140	B.A.Ed.	History Education
5170	B.A.	Humanities
5012	B.A.	Mass Communication - Professional Media
5220	B.A.	Modern Language - French
5221	B.A.	Modern Language - German
5222	B.A.	Modern Language - Spanish
5240	B.A.Ed.	Modern Language Education - French
5241	B.A.Ed.	Modern Language Education - German
5242	B.A.Ed.	Modern Language Education - Spanish
5180	B.A.	Philosophy
5330	B.A.	Photographic Arts
5260	B.A.	Political Science
5261	B.A.	Political Science - Public Administration
5300	B.A.	Sociology
5302	B.A.	Sociology - Human Services
5301	B.A.	Sociology - Substance Abuse Studies
5341	B.A.	Strategic Communications - Organizational Communication
5340	B.A.	Strategic Communications - Strategic Communications
5350	B.A.	Technical Writing
5150	B.A.	Women's, Gender, and Sexuality Studies

## College of Mathematics and Science

6140	B.S.	Actuarial Science
6000	B.S.	Biology
6001	B.S.	Biology - Biomedical Science
6002	B.S.	Biology - Medical Laboratory Science
6220	B.S.	Biomedical Engineering
6060	B.S.	Chemistry
6061	B.S.	Chemistry - ACS Certificate
6062	B.S.	Chemistry - Health Sciences
6100	B.S.	Computer Science
6101	B.S.	Computer Science - Applied
6102	B.S.	Computer Science - Information Science
6190	B.S.	Data Science
6260	B.S.	Electrical Engineering

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## *Undergraduate Majors Codes - CONTINUED*

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- CONTINUED FROM PREVIOUS PAGE -

6243	B.S.	Engineering Physics - Physics
6120	B.S.	Funeral Service
6160	B.S.	Mathematics
6161	B.S.	Mathematics - Applied Mathematics
6162	B.S.	Mathematics - Statistics
6180	B.S.Ed.	Mathematics Education
6270	B.S.	Mechanical Engineering
6200	B.S.	Nursing
6040	B.S.Ed.	Science Education - Biology
6041	B.S.Ed.	Science Education - Chemistry
6042	B.S.Ed.	Science Education - General Science
6043	B.S.Ed.	Science Education - Physical Science
6044	B.S.Ed.	Science Education - Physics
6110	B.S.	Software Engineering

### **Interdisciplinary Studies**

7020	B.S.	Forensic Science
7021	B.S.	Forensic Science - Chemistry
7023	B.S.	Forensic Science - Digital Forensics
7022	B.S.	Forensic Science - Molecular Biology

# *Undergraduate Minors, Certificate and Pre-Professional Codes*

## Undergraduate Minors

2019	Accounting
1019	Art
1016	Art - Global Art and Visual Culture
1119	Arts Administration
6019	Biology
2099	Businss Administration
6079	Chemistry
5328	Communication - Interpersonal Communication
5329	Communication - Media Studies
6119	Computer Science
1439	Contemporary Music Business
1409	Contemporary Music Performance
1408	Contemporary Music Performance - Songwriting
1429	Contemporary Music Production
1428	Contemporary Music Production - Post Production
5298	Criminal Justice
1109	Dance
1057	Design - Design History
1059	Design - Graphic Design
1058	Design - Illustration
6259	Engineering Physics
2039	Economics
2038	Economics - Energy Economics
5057	English - Creative Writing
5059	English
3049	Family Life Education - Child Life
3079	Fashion Marketing
2079	Finance
2065	Finance - Banking
2068	Finance - Business Law
2066	Finance - Financial Planning
2064	Finance - Insurance and Risk Management
2067	Finance - Real Estate
5119	Geography
6139	Grief, Death and Dying
5139	History
3099	Human Environmental Sciences
5199	Humanities
2119	Information Systems and Operations Management - Management Information Systems
2118	Information Systems and Operations Management - Supply Chain Management
2137	International Business
3129	Kinesiology - Outdoor and Community Recreation
5597	Leadership
2138	Management - Entrepreneurship
2139	Management - Human Resource Management
2129	Management - Strategy
2159	Marketing
2158	Marketing - Professional Selling
5206	Mass Communication - Documentary
5017	Mass Communication - Mass Communication
5211	Mass Communication - Journalism
6179	Mathematics
2179	Military Science
5234	Modern Languages - Chinese
5239	Modern Languages - French
5238	Modern Languages - German
5237	Modern Languages - Spanish
1079	Music
1074	Music - Collaborative Piano
1075	Music - Composition
1099	Music - Historical Performance
1078	Music - Jazz Studies
1076	Music - Piano
1077	Music - Piano Pedagogy
3098	Nutrition

3269	Occupational Safety
5198	Philosophy
5196	Philosophy - Classical Studies in Greek
5197	Philosophy - Classical Studies in Latin
5339	Photographic Arts
5279	Political Science - General
5277	Political Science - International Relations
5276	Political Science - Pre-Law
5275	Political Science - Public Administration
3319	Psychology
3117	Public Health
6059	Science Education - Secondary Science Education
5319	Sociology
5318	Sociology - Substance Abuse Studies
6178	Statistics
5347	Strategic Communications - Organizational Communication
5348	Strategic Communications - Public Relations
5349	Strategic Communications - Strategic Communications
5359	Technical Writing
1139	Theatre Arts

## Interdisciplinary Minors

5568	Asian Studies
5575	Chinese Studies
5570	Film Studies
5278	Global Studies
5563	Indigenous Studies
5565	Race and Ethnic Studies
5571	Religious Studies
5567	Russian Studies
5574	Sustainability Studies
5564	Women's, Gender, and Sexuality Studies

## Certificate

2010	Accounting Certificate
2070	Financial Planning Certificate
6121	Funeral Service Certificate

## Pre-Professional Codes \*

6588	Pre-Dental
6592	Pre-Engineering
6589	Pre-Medical
6590	Pre-Optometry
6593	Pre-Pharmacy
6591	Pre-Veterinary Medicine

\* These codes apply to students seeking admission to health professions graduate programs, regardless of major declared. Pre-Professional students should carefully consider and coordinate their program of study with

# University Core

	Minimum Required Hours	Minimum Required Hours
<b>University Core (Total Listed 42-44)</b>		
<b>Written and Oral Communication</b> .....	<b>9</b>	
English Composition.....	6	
ENG 1113 English Composition <b>OR</b>		
* ENG 1153 English Composition - Int		
ENG 1213 English Composition and Research <b>OR</b>		
* ENG 1223 Comp & Research: International		
Oral Communication.....	3	
MCOM 1113 Fundamentals of Speech		
<b>Quantitative Reasoning/Scientific Method</b> .....	<b>10-11</b>	
Math .....	3	
MATH 1113 Math for General Education		
MATH 1513 College Algebra		
MATH 1533 Precalculus Algebra		
* MATH 1453 Applied Algebra		
* MATH 1593 Plane Trigonometry		
* MATH 2013 Structures of Mathematics		
* MATH 2023 Foundations of Geom & Meas		
* MATH 2053 Math Analysis for Business		
* MATH 2153 Bio-Calculus		
* MATH 2313 Calculus I		
* MATH 2305 Accelerated Calculus 1 and 2		
* STAT 2103 Intro Statistics for Sciences		
* STAT 2113 Statistical Methods		
At least one course from the Life or Physical Sciences must include a lab.		
Life Science .....	4	
BIO 1114 General Biology		
* BIO 1204 Biology for Majors: Principles		
BIO 1211 University Life Sciences Lab		
BIO 1214 & 1214L General Biology and General Bio Lab		
BIO 1234 Environmental Biology: A Global Perspective		
Physical Science.....	3-4	
PHY 1014 University Physical Science		
PHY 1024 University Physical Science with Lab		
CHEM 1003 Chemistry and Society		
PHY 1304 Descriptive Astronomy		
* CHEM 1014 Introductory Chemistry and Laboratory		
* CHEM 1103 General Chemistry I		
* CHEM 1112 General Chemistry I Rec/Lab		
* PHY 1003 Introduction to Physics		
* PHY 1011 University Physical Science Laboratory		
* PHY 1101 General Physics I Laboratory		
* PHY 1114 General Physics I and Laboratory		
* PHY 2014 Physics for Science and Engineering I & Lab		
<b>Critical Inquiry and Aesthetic Analysis</b> .....	<b>6</b>	
Aesthetic Analysis .....	3	
HUM 2113 General Humanities Anc-Med		
HUM 2223 General Humanities Ren-Modern		
Critical Inquiry .....	3	
PHIL 1103 Logic and Critical Thinking		
PHIL 1113 Introduction to Philosophy		
PHIL 1123 Contemporary Moral Problems		
PHIL 2073 Social and Political Philosophy		
<b>American Historical and Political Analysis</b> .....	<b>6</b>	
American National Government .....	3	
POL 1113 American National Government		
American History.....	3	
HIST 1483 History of US to 1877		
HIST 1493 History of US since 1877		
<b>Cultural and Language Analysis</b> .....	<b>3-4</b>	
^Second Language .....	4	
CHIN 1114 Elementary Chinese I		
CHIN 1224 Elementary Chinese II		
FRCH 1114 Elementary French I		
FRCH 1224 Elementary French II		
GERM 1114 Elementary German I		
GERM 1224 Elementary German II		
JAPN 1114 Elementary Japanese I		
JAPN 1224 Elementary Japanese II		
LATN 1114 Elementary Latin I		
LATN 1224 Elementary Latin II		
SNSK 1114 Elementary Sanskrit I		
SNSK 1224 Elementary Sanskrit II		
SPAN 1114 Elementary Spanish I		
SPAN 1224 Elementary Spanish II		
^ If a student can prove Novice 4 proficiency in a second language either by 2 years of a second language in high school or successful testing, then the student may select three hours from the following cultural analysis courses.		
Cultural Analysis.....	3	
ART 1153 Global Art and Visual Culture I		
ART 2403 Global Art and Visual Culture II		
DANC 1113 Dance Appreciation		
DES 1533 Design in Global Cultures		
DES 2223 History of Design		
ENG 2313 Introduction to Multicultural Literature		
FMKT 2323 Global Protocol and Diversity		
GEO 2303 Regional Geography of the World		
HIST 1013 World History I		
HIST 1023 World History II		
HIST 1103 Early Western Civilization to 1350		
HIST 1203 Europe, Renaissance to Waterloo		
HIST 1263 Modern Europe		
HIST 1273 E Asian Civilization to 1500		
HIST 1283 E Asian Civilization from 1500		
HIST 1333 History of African Americans		
HIST 2033 American Indian History		
HUM 2243 Literature and Culture		
HUM 2273 Art and Culture		
HUM 2303 Music and Culture		
HUM 2333 Philosophy and Culture		
HUM 2423 Non-Western Humanities		
MCOM 2073 Introduction to Media Studies		
MUS 2123 Music Appreciation		
MUS 2243 World Music		
MUS 2253 Music in Film		

## *University Core - CONTINUED*

### Minimum Required Hours

- CONTINUED FROM PREVIOUS PAGE -

MUS	2423	Native American Music	
MUS	2443	History of Video Game Music	
MUS	2483	History of Rock and Roll	
MUS	2633	Jazz History	
POL	2303	Introduction to World Politics	
THRT	1313	Intro to Theatre	
<b>Social and Behavioral Analysis.....</b>			<b>3</b>
BADM	1103	Introduction to Business	
ECON	1103	Introduction to Economics	
ECON	2103	Principles of Microeconomics	
ECON	2203	Principles of Macroeconomics	
ECON	1203	Economics of Social Issues	
FMCD	2213	Child Development	
PSY	1103	General Psychology	
SOC	2103	Sociology	
<b>Life Skills.....</b>			<b>5</b>
Required Course.....			2
HLTH	1112	Healthy Life Skills	
Select from the following elective life skills .....			3
(Liberal Arts and Sciences)			
CMSC	1053	Professional Computer Applications and Problem Solving	
CMSC	1103	Introduction to Computing Systems	
DES	1063	Innovation and Inquiry	
* ENGR	1213	Engineering Computing & Laboratory	
FACS	3633	Problems of Today's Consumer	
FIN	2313	Personal Finance	
FMCD	2223	Marriage	
FNRL	3483	Psychology of Grief	
HLTH	2212	First Aid with CPR	
* IME	3312	Technology for Teachers	
ISOM	2013	Personal Computer Productivity	
LEAD	2213	Theories of Leadership	
MUED	3122	Teaching Music to Children	
MUS	1113	Introduction to Basic Music Skills	
MUS	2133	Western Music Appreciation	
NTRN	1483	Personal Nutrition	
NTRN	1513	Introduction to Nutrition	
NTRN	1613	Principles of Food Preparation	
SFTY	2343	Safety Education	
THRT	1513	Beginning Acting	
UNIV	1012	Success Central	

MPER	2391	Orchestra
MPER	2461	Cantare
MPER	3111	Concert Chorale
PHED	1141	Bench Aerobics
PHED	1161	Weight Training
PHED	1221	Hatha Yoga
PHED	1231	Walking Fitness
PHED	1311	Karate
PHED	1761	Beginning Tennis
PHED	1771	Intermediate Tennis
PHED	2601	Beginning Golf

\* These courses represent specialty courses that are directed toward specific degree programs or situations. Unmarked courses are general introductory survey courses.

No more than 2 hours may be selected from this list:

(Non-Liberal Arts and Sciences)

ART	1013	Intro to Drawing/Non-Art Major
ART	1223	Black & White Photography
ART	3302	Teaching Art to Children
DANC	2451	Beginning Modern Dance
IME	1102	Use of the Library
MPER	1232	Class Guitar
MPER	2101	Edmond Community Chorale
MPER	2111	University Choir
MPER	2141	Cantilena
MPER	2281	Marching Band
MPER	2381	Symphonic Band



# *College of Business*

*Academic Degree Programs,  
Minors, Certificates  
and Military Science*

Program: **Accounting** Dept: Accounting  
 Major: **Accounting** College: Business  
 Degree: Bachelor of Science (B.S.) Major Code: 2000

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#)

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses** ..... 6

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Accounting** ..... 75

**Business core courses** ..... 39

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone**..... 3

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Accounting (2.50 GPA Required for 3000/4000 level Accounting courses)**..... 30

Required courses..... 15

- ACCT 3213 Intermediate Accounting I
- ACCT 3233 Intermediate Accounting II
- ACCT 3333 Income Tax Accounting I
- ACCT 3413 Cost Accounting I
- ACCT 4363 Auditing

Accounting Electives (3000/4000 level)..... 15  
 (ACCT 3113 will not apply.)

**Business Law (from the following)** ..... 3

- LS 4143 Law of Business Organizations **OR**
- LS 4223 Law of Commercial Transactions

At least fifteen (15) of the thirty (30) 3000/4000 level Accounting hours must be taken at the University of Central Oklahoma.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) business core courses (including the capstone course) ..... 2.25
2. Average in all major courses ..... 2.50
3. Average in the 3/4000 level accounting courses in the major ..... 2.50
4. In ACCT 2113 and ACCT 2133 ..... "C"
5. In ACCT 3213..... "B"

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Business Administration**  
 Major: **Business Administration - Business Law**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Finance**  
 College: **Business**  
 Major Code: **2088**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Business Administration - Business Law ..... 66**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Business Administration - Business Law ..... 24**

Required courses ..... 9

- LS 4143 Law of Business Organizations
- LS 4223 Law of Commercial Transactions
- LS 4883 Legal Issues in Business

Elective courses ..... 15

Selected from the following:

- LS 4153 Contemporary Workplace Issues
- LS 4163 Law for E-Commerce
- LS 4173 Law of Real Property
- LS 4323 Estate Planning and Administration
- LS 4533 Law of International Business Transactions
- LS 4623 Legal Research and Writing
- LS 4910 Seminar in Legal Studies (3 hours)

Or other courses approved by the Finance Department Chair

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see

[Academic Degree Requirements](#).

Program: **Business Administration**  
 Major: **Business Administration - General Business**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Finance**  
 College: **Business**  
 Major Code: **2086**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Business Administration - General Business ..... 66**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Business Administration - General Business ..... 24**

Select no more than nine hours from any one of the following areas: (Must be 3000/4000 level courses)

- Accounting
- Business Administration
- Business Communication
- Economics
- Entrepreneurship
- Finance
- Information Systems and Operations Management
- International Business
- Legal Studies
- Management
- Marketing

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Business Administration**  
 Major: **Business Administration - International Business**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Economics**  
 College: **Business**  
 Major Code: **2087**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Business Administration -  
International Business ..... 66-74**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Business Administration - International Business ..... 24-32**

International Business Core ..... 21

Select 7 of the following 8 courses:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4433 International Monetary Relations
- FIN 4273 International Finance
- MGMT 4253 International Business
- MGMT 4483 Diversity in the Workplace
- MRKT 4413 International Marketing
- LS 4533 Law of International Business Transactions

Additional Modern Language ..... 0-8

All students completing a B.B.A. in Business Administration-International Business shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of proficiency in the second language (CLEP test through LANG 1224) or proof of academic work in the second language (four years of high school language courses, or transfer work from another institution). International students may demonstrate proficiency in a second language by meeting the English proficiency requirements for admission indicated in the undergraduate catalog.

International Experience\* ..... 3

- IB 4930 Individual Study in International Business
- IB 4950 Internship in International Business
- IB 4970 Study Tour in International Business\*\*
- ECON 4603 Comparative Economic Systems

\* This requirement can be met with a full semester of studying abroad if the department chair approves the course. Additionally, to satisfy the study tour, study abroad, or internship requirement, a student must utilize an experience outside their native country.

\*\* Any international study tour provided by the College of Business, outside the student's native country, will suffice.

Program:	<b>Business Administration</b> - continued	Dept:	Economics
Major:	<b>Business Administration - International Business</b>	College:	Business
Degree:	Bachelor of Business Administration (B.B.A.)	Major Code:	2087

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**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Economics**  
 Major: **Economics**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Economics**  
 College: **Business**  
 Major Code: **2040**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses** ..... 6

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Economics** ..... 69

**Business core courses** ..... 39

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone**..... 3

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Economics** ..... 27

Required courses..... 9

- ECON 3123 Intermediate Business Statistics
- ECON 3203 Intermediate Microeconomics
- ECON 3653 Intermediate Macroeconomics

Advanced Economics (3000/4000 level) ..... 12

Quantitative Economics ..... 3

- ECON 4213 Quantitative Business Forecasting

Capstone..... 3

- ECON 4423 Econometric Methods

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Economics**  
 Major: **Economics - Energy Economics**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Economics**  
 College: **Business**  
 Major Code: **2042**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses** ..... 6

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Economics - Energy Economics**..... 75

**Business core courses**..... 39

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone**..... 3

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Economics - Energy Economics**..... 33

Required courses..... 24

- ECON 3123 Intermediate Business Statistics
- ECON 3203 Intermediate Microeconomics
- ECON 3313 Introduction to Energy Economics
- ECON 3403 Regulation and Antitrust
- ECON 3513 Oil & Natural Gas Economics
- ECON 3533 Electricity Economics
- ECON 3653 Intermediate Macroeconomics
- ECON 4423 Econometric Methods

Concentration..... 6

Complete Concentration A or B

Concentration A: Finance

Select 6 hours from the following:

- FIN 3513 Risk Management for the Firm
- FIN 4213 Investments
- FIN 4253 Intermediate Business Finance
- FIN 4283 Capital Budgeting
- FIN 4333 Derivative Securities
- FIN 4533 Risk Financing for the firm

Concentration B: Accounting

Select 6 hours from the following:

- ACCT 3213 Intermediate Accounting I
- ACCT 3233 Intermediate Accounting II
- ACCT 3413 Cost Accounting

Or other courses approved by the Economics Department Chair

Capstone..... 3

- ECON 4213 Quantitative Business Forecasting

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. **Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)**..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Finance**  
 Major: **Finance**  
 Degree: Bachelor of Business Administration (B.B.A.)

Dept: Finance  
 College: Business  
 Major Code: 2060

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Finance ..... 69**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Finance ..... 27**

Required courses ..... 12

- FIN 4213 Investments
- FIN 4253 Intermediate Business Finance
- FIN 4413 Financial Institutions **OR**
- ECON 3103 Money and Banking
- FIN 3603 Financial Statement Analysis **OR**
- ACCT 3513 Tax Planning **OR**
- Any 3 hour, 3000/4000 level Accounting course

Electives from the following..... 15

- FIN 3413 Real Estate Principles
- FIN 3473 Real Property Management
- FIN 3513 Risk Management for the Firm
- FIN 3523 Foundations of Insurance and Risk Management
- FIN 4423 Employee Benefit Planning
- LS 4323 Estate Planning and Administration
- FIN 4433 Case Studies in Financial Planning
- Or any 3000/4000 level Finance course.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Finance**  
 Major: **Finance - Insurance and Risk Management**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Finance**  
 College: **Business**  
 Major Code: **2062**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Finance - Insurance and Risk Management..... 66**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Finance - Insurance and Risk Management..... 24**

Required courses..... 12

- FIN 3513 Risk Management for the Firm
- FIN 3523 Foundations of Insurance and Risk Management
- FIN 3553 Property and Liability Insurance for the Firm
- FIN 3613 Life and Health Insurance

Electives from the following..... 12

- FIN 4213 Investments
- FIN 4253 Intermediate Business Finance
- FIN 4423 Employee Benefit Planning
- FIN 4513 Public Sector Risk Management
- FIN 4523 Risk Control for the Firm
- FIN 4533 Risk Financing for the Firm
- FIN 4950 Internship in Finance
- MATH 3133 Theory of Interest I
- MATH 4223 Mathematics of Life Contingencies 1
- MATH 4233 Mathematics of Life Contingencies 2
- Or other courses approved by the Finance Department Chair

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

**1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Information Systems and Operations Management** Dept: Info Systems & Oper Mgmt  
 Major: Information Systems and Operations Management - Management Information Systems College: Business  
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2103

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**  
**Business Support Courses** ..... 6

- Required courses:
- MATH 1453 Applied Algebra **OR**
  - MATH 1513 College Algebra **OR**
  - MATH 1533 Precalculus Algebra
  - MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Information Systems and Operations Management - Management Information Systems** ..... 72

**Business core courses** ..... 39

- Required courses:
- ACCT 2113 Accounting I
  - ACCT 2133 Accounting II
  - ECON 2103 Principles of Microeconomics
  - ECON 2173 Principles of Business Statistics
  - ECON 2203 Principles of Macroeconomics
  - MRKT 3013 Principles of Marketing
  - MGMT 3103 Principles of Management
  - LS 3113 Legal & Ethical Environment of Business
  - BCOM 3143 Business Communication
  - ISOM 3263 Management Information Systems
  - ISOM 3313 Operations Management
  - ISOM 3323 Business Analytics
  - FIN 3563 Fundamentals of Business Finance

**Capstone**..... 3

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Minimum  
Required Hours**

**Information Systems and Operations Management - Management Information Systems** ..... 30

- Required courses..... 21
- ISOM 2313 Programming for Business Applications
  - ISOM 3363 Business Problem Solving with Software
  - ISOM 3373 Information Technology and System Software
  - ISOM 4163 Business Systems Analysis and Design
  - ISOM 4263 Data Resource Management
  - ISOM 4463 Managing and Troubleshooting Networks
  - ISOM 4503 Developing SQL Server Databases

Select from the following..... 9

- ACCT 3113 Managerial Accounting **OR**
- ACCT 3413 Cost Accounting
- ACCT 3433 Accounting Information Systems
- CMSC 2613 Programming II
- SE 3103 Object Oriented Software Design & Construction
- ISOM 3343 IT Security and Risk Management
- ISOM 3393 Mobile App Programming for Business
- ISOM 4303 Business Application Management
- ISOM 4333 Project Management
- ISOM 4363 Information Systems Management
- ISOM 4910 Seminar (1-3 hours)
- ISOM 4950 Internship (1-3 hours)

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Information Systems and Operations Management** Dept: Info Systems & Oper Mgmt  
 Major: Information Systems and Operations Management - Operations & Supply Chain Mgmt College: Business  
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2104

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**  
**Business Support Courses ..... 6**

- Required courses:
- MATH 1453 Applied Algebra **OR**
  - MATH 1513 College Algebra **OR**
  - MATH 1533 Precalculus Algebra
  - MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Information Systems and Operations Management  
 - Operations and Supply Chain Management.... 72**

**Business core courses ..... 39**

- Required courses:
- ACCT 2113 Accounting I
  - ACCT 2133 Accounting II
  - ECON 2103 Principles of Microeconomics
  - ECON 2173 Principles of Business Statistics
  - ECON 2203 Principles of Macroeconomics
  - MRKT 3013 Principles of Marketing
  - MGMT 3103 Principles of Management
  - LS 3113 Legal & Ethical Environment of Business
  - BCOM 3143 Business Communication
  - ISOM 3263 Management Information Systems
  - ISOM 3313 Operations Management
  - ISOM 3323 Business Analytics
  - FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Minimum  
Required Hours**

**Information Systems and Operations Management - Operations and  
 Supply Chain Management..... 30**

- Required courses..... 21
- ISOM 3123 Supply Chain Analytics
  - ISOM 3363 Business Problem Solving with Software
  - ISOM 4043 Operations Planning and Control
  - ISOM 4353 Quality Assurance
  - ISOM 4843 Operations and Supply Chain
  - MRKT 3313 Business Logistics
  - MRKT 4433 Purchasing and Materials Management

Select from the following courses ..... 9

- ACCT 3413 Cost Accounting **OR**
- ACCT 3113 Managerial Accounting
- ISOM 4163 Business Systems Analysis and Design
- ISOM 4323 Methods of Operations Supervision **OR**
- MGMT 4623 The Art of Leadership
- ISOM 4333 Project Management
- ISOM 4910 Seminar (1-3 hours)
- ISOM 4950 Internship
- MRKT 3443 Business to Business Marketing

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Management**  
 Major: **Management**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Management**  
 College: **Business**  
 Major Code: **2120**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Management ..... 72**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Management ..... 30**

Required courses..... 18

- ACCT 3113 Managerial Accounting **OR**
- ACCT 3413 Cost Accounting
- MGMT 3133 Business Ethics
- MGMT 3313 Human Resource Management
- MGMT 4203 Organizational Behavior
- MGMT 4213 Management Theory
- MGMT 4623 Art of Leadership

Guided Electives (Select 1 course from below) ..... 3

- ENTR 3203 Entrepreneurs: Startup Now
- ISOM 4333 Project Management
- MRKT 4453 Retail Management

Elective Business (Select from below) ..... 9

- ECON 3383 Workforce Economics **OR**
- ECON 4513 Labor Economics and Public Policy
- ISOM 3363 Business Problem Solving with Software
- MGMT 3413 Human Resource Compliance
- MGMT 4253 International Business
- MGMT 4263 Small Business Management
- MGMT 4483 Diversity in the Workplace
- MGMT 4950 Internship in Management

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Management**  
 Major: **Management - Human Resource Management**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Management**  
 College: **Business**  
 Major Code: **2122**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Management -  
Human Resource Management..... 66**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Management - Human Resource Management..... 24**

- Required courses ..... 18
- MGMT 3313 Human Resource Management
- MGMT 3413 Human Resource Compliance
- MGMT 4423 HR Training and Development
- MGMT 4503 Recruitment and Selection
- MGMT 4513 Compensation & Benefits
- MGMT 4723 Strategic Human Resource Management

Select from the following courses..... 6

- FIN 4423 Employee Benefit Planning
- MGMT 4203 Organizational Behavior
- MGMT 4213 Management Theory
- MGMT 4483 Diversity in the Workplace
- MGMT 4950 Internship in Management
- SFTY 3433 Introduction to OSHA

Other 3000/4000 MGMT courses as approved by Department

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Management**  
 Major: **Management - PGA Golf Management**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Management**  
 College: **Business**  
 Major Code: **2126**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Management - PGA Golf Management..... 83**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Management - PGA Golf Management..... 41**

Business ..... 15

- ACCT 3113 Managerial Accounting
- MGMT 3313 Human Resources Management
- MGMT 4263 Small Business Management
- MGMT 4623 The Art of Leadership
- MRKT 4453 Retail Management

PGM..... 26

- PGM 1222 Introduction to PGA PGM
- PGM 1231 Current Topics in the Golf Industry
- PGM 1323 Teaching Golf and Player Development I
- PGM 1333 Golf Facility Management I
- PGM 1423 Golf Facility Management II
- PGM 1433 Teaching Golf and Player Development II
- PGM 1523 Golf Facility Management III
- PGM 1533 Teaching Golf & Player Development III
- PGM 4950 Internship in Management (I) (1 hour)
- PGM 4950 Internship in Management (II) (1 hour)
- PGM 4950 Internship in Management (III) (1 hour)
- PGM 4950 Internship in Management (IV) (1 hour)
- PGM 4950 Internship in Management (V) (1 hour)

**Minimum Hours required ..... 126\***

\* Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete two years of a second language in high school.

**Passing the PGA of America’s Playing Ability Test (PAT) is a requirement for graduation from the PGA Golf Management Program.**

**Minimum Grade Requirements**

**1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Marketing**  
 Major: **Marketing**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Marketing**  
 College: **Business**  
 Major Code: **2140**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses ..... 6**

Required courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Marketing ..... 69**

**Business core courses ..... 39**

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Principles of Management
- LS 3113 Legal & Ethical Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- ISOM 3323 Business Analytics
- FIN 3563 Fundamentals of Business Finance

**Capstone..... 3**

- MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Marketing ..... 27**

Required courses..... 12

- MRKT 3423 Consumer and Marketing Behavior
- MRKT 4113 Marketing Research
- MRKT 4463 Integrated Marketing Communication **OR**
- MRKT 3123 Professional Selling
- MRKT 4813 Marketing Management

Elective Marketing ..... 15

Any 3000/4000 level MRKT course

Courses in other fields that may also be selected:

- BCOM 4333 Negotiations
- GEO 4113 Geographic Information Systems

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Marketing**  
 Major: **Marketing - Professional Selling**  
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Marketing**  
 College: **Business**  
 Major Code: **2144**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Business Support Courses** ..... 6

Required courses:

MATH 1453 Applied Algebra **OR**

MATH 1513 College Algebra **OR**

MATH 1533 Precalculus Algebra

MATH 2053 Math Analysis for Business

Upon completion of the above courses, corresponding University Core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Marketing - Professional Selling**..... 69

**Business core courses** ..... 39

Required courses:

ACCT 2113 Accounting I

ACCT 2133 Accounting II

ECON 2103 Principles of Microeconomics

ECON 2173 Principles of Business Statistics

ECON 2203 Principles of Macroeconomics

MRKT 3013 Principles of Marketing

MGMT 3103 Principles of Management

LS 3113 Legal & Ethical Environment of Business

BCOM 3143 Business Communication

ISOM 3263 Management Information Systems

ISOM 3313 Operations Management

ISOM 3323 Business Analytics

FIN 3563 Fundamentals of Business Finance

**Capstone**..... 3

MGMT 4813 Strategic Management (Senior Status) \* #

\* All Business Core Courses must be completed prior to taking the Capstone Course.

# All BBA or BS in Accounting majors must successfully complete and pass the Business Senior Exam (BSE) as a component of MGMT 4813 Strategic Management.

**Marketing - Professional Selling**..... 27

Required courses ..... 21

BCOM 4333 Negotiations

MRKT 3123 Professional Selling

MRKT 4133 Advanced Professional Selling

MRKT 4143 Sales Force Management

MRKT 4353 Marketing Ethics

MRKT 4813 Marketing Management

MRKT 4900 Practicum in Profession Selling **OR**

MRKT 4950 Internship (Sales)

Elective Marketing Courses ..... 6

Select from the following courses:

MRKT 3313 Business Logistics

MRKT 3443 Business to Business Marketing

MRKT 4433 Purchasing and Materials Management

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, (c) major courses, and (d) business core courses (including the capstone course)..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

# College of Business Minors

A minor is an optional component of a student’s degree (unless otherwise stated) that, upon graduation, will be reflected on the student’s transcript. A student may earn a minor or multiple minors in the same program, provided the minor differ at the major level. Minors may not be earned independently of a bachelor’s degree granted by the University of Central Oklahoma. Minors may not be earned as a part of an associate degree. Minors do not appear on diplomas.

## Minimum Requirements for Minors

**Minimums for minors** unless otherwise specified:

<b>Total Hours</b> .....	<b>18</b>
<b>Upper Division Hours (3/4000 level)</b> .....	<b>6</b>
<b>Residency Hours</b> .....	<b>6</b>
<b>GPA</b> .....	<b>2.00</b>

### Accounting

**Accounting** ..... **18**

Minor Code: 2019

Required courses ..... 12

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ACCT 3213 Intermediate Accounting I
- ACCT 3233 Intermediate Accounting II

Elective Accounting ..... 6

Selected from the following

- ACCT 3333 Income Tax Accounting
- ACCT 3413 Cost Accounting
- ACCT 3433 Accounting Information Systems
- ACCT 4283 Advanced Accounting

OR other courses approved by Accounting Department Chair

### Business Administration

**Business Administration** ..... **18**

Minor Code: 2099

Business Administration ..... 18

Selected from the following:

- ACCT 2113 Accounting I **OR**
- ACCT 2133 Accounting II
- ECON 2103 Principles of Microeconomics
- ECON 2203 Principles of Macroeconomics
- ENTR 3203 Entrepreneurs: Startup Now
- ISOM 3263 Management Information Systems
- ISOM 3323 Business Analytics
- LS 3113 Legal & Ethical Environment of Business
- MGMT 3103 Principles of Management
- MGMT 4263 Small Business Management
- MRKT 3013 Principles of Marketing

### Economics

**Economics** ..... **18**

Minor Code: 2039

Required courses ..... 12

- ECON 2103 Principles of Microeconomics
- ECON 2203 Principles of Macroeconomics
- ECON 3203 Intermediate Microeconomics
- ECON 3653 Intermediate Macroeconomics

Elective Economics (3000/4000 level) ..... 6

**Economics - Energy Economics** ..... **18**

Minor Code: 2038

Required courses ..... 9

- ECON 2103 Principles of Microeconomics
- ECON 2203 Principles of Macroeconomics
- ECON 3313 Introduction to Energy Economics

Elective Economics (3000/4000 level) ..... 9

- ECON 3403 Regulation and Antitrust
- ECON 3513 Oil & Natural Gas Economics
- ECON 3533 Electricity Economics

Any 3000/4000 level course from ACCT, ENGR, FIN, or MATH (3 hours max.)

### Finance

**Finance** ..... **18**

Minor Code: 2079

Required courses ..... 9

- FIN 3563 Fundamentals of Business Finance
- FIN 4213 Investments
- FIN 4253 Intermediate Business Finance

Elective Finance ..... 9

Or other courses approved by the Finance Department Chair

**Finance - Banking** ..... **18**

Minor Code: 2065

Required courses ..... 6

- FIN 4243 Commercial Bank Management
- FIN 4403 Commercial Credit Risk Analysis

Elective courses ..... 12

Selected from the following:

- ACCT 3333 Income Tax Accounting
- FIN 3453 Real Estate Finance
- FIN 3603 Financial Statement Analysis **OR**
- ACCT 3213 Intermediate Accounting I
- FIN 4343 Security Analysis
- FIN 4413 Financial Institutions
- FIN 4950 Internship in Finance
- LS 4223 Law of Commercial Transactions

**Finance - Business Law** ..... **18**

Minor Code: 2068

Required courses ..... 12

- LS 3113 Legal & Ethical Environment of Business
- LS 4143 Law of Business Organizations
- LS 4223 Law of Commercial Transactions
- LS 4883 Legal Issues in Business

Elective courses ..... 6

Selected from the following:

- LS 4153 Contemporary Workplace Issues
- LS 4163 Law for E-Commerce
- LS 4173 Law of Real Property
- LS 4323 Estate Planning and Administration
- LS 4533 Law of International Business Transactions
- LS 4623 Legal Research and Writing
- LS 4910 Seminar in Legal Studies

Or other courses approved by the Finance Department Chair

## *College of Business Minors - continued*

### **Finance - Financial Planning ..... 18**

Minor Code: 2066

Required courses.....	15
FIN 3523	Foundations of Insurance and Risk Management
FIN 4213	Investments
LS 4323	Estate Planning and Administration
FIN 4423	Employee Benefit Planning
FIN 4433	Case Studies in Financial Planning

Elective courses ..... 3

Selected from the following:

FIN 2313	Personal Finance
FIN 3563	Fundamentals of Business Finance
FIN 4343	Security Analysis
FIN 4353	Case/Computer Applications in Finance
FIN 4383	Real Estate Investment
ACCT 3333	Income Tax Accounting
ACCT 3513	Tax Planning

Or other courses approved by the Finance Department Chair

### **Finance - Insurance and Risk Management..... 18**

Minor Code: 2064

Required courses..... 9

FIN 3513	Risk Management for the Firm
FIN 3523	Foundations of Insurance and Risk Management
FIN 3553	Property and Liability Insurance for the Firm

Elective courses ..... 9

Selected from the following:

FIN 3613	Life and Health Insurance
FIN 4213	Investments
FIN 4423	Employee Benefit Planning
FIN 4513	Public Sector Risk Management
FIN 4523	Risk Control for the Firm
FIN 4533	Risk Financing for the Firm
FIN 4950	Internship in Finance
MATH 3133	Theory of Interest I
MATH 4223	Mathematics of Life Contingencies I

Or other courses approved by the Finance Department Chair

### **Finance - Real Estate ..... 18**

Minor Code: 2067

Required courses..... 6

FIN 3413	Real Estate Principles
FIN 3473	Real Property Management

Elective courses ..... 12

Selected from the following:

FIN 2313	Personal Finance <b>OR</b>
FIN 3563	Fundamentals of Business Finance
FIN 3423	Real Estate Practice
FIN 3443	Real Estate Appraising
FIN 3453	Real Estate Finance
FIN 4373	Advanced Real Estate Appraisal
FIN 4383	Real Estate Investment
GEO 4603	Urban Geography
HIST 3253	History of the American City
LS 4173	Law of Real Property

Other courses approved by the Finance Department Chair

### **Information Systems and Operations Management**

#### **Information Systems and Operations Management - Management Information Systems ..... 21**

Minor Code: 2119

Required courses..... 15

ISOM 2313	Programming for Business Applications
ISOM 3263	Management Information Systems
ISOM 3363	Business Problem Solving with Software
ISOM 4163	Business Systems Analysis and Design
ISOM 4263	Data Resource Management

Elective courses ..... 6

Select from the following:

ISOM 3343	IT Security and Risk Management
ISOM 3373	Information Technology and System Software
ISOM 4283	Decision Support Systems
ISOM 4303	Business Application Management
ISOM 4333	Project Management
ISOM 4363	Information Systems Management
ISOM 4463	Managing and Troubleshooting Networks
ISOM 4503	Developing SQL Server Databases
ISOM 4513	Virtualization
ISOM 4910	Seminar (1-3 hours)
ACCT 3433	Accounting Information Systems
FIN 4353	Case/Comp Applic Fin

#### **Information Systems and Operations Management - Operations and Supply Chain Management..... 18**

Minor Code: 2118

Required courses..... 15

ISOM 3123	Supply Chain Analytics
ISOM 4043	Operations Planning and Control
ISOM 4353	Quality Assurance
ISOM 4843	Operations and Supply Chair
MRKT 3313	Business Logistics

Elective courses ..... 3

Select from the following:

ISOM 3363	Business Problem Solving with Software
ISOM 4333	Project Management
MRKT 4433	Purchasing and Materials Management

### **International Business**

#### **International Business ..... 18**

Minor code: 2137

Required courses..... 15

MGMT 4253	International Business
MGMT 4483	Diversity in the Workplace
MRKT 4413	International Marketing
ECON 4403	International Economics
FIN 4273	International Finance

International Immersion Experience..... 3

Select from the following:

An additional Foreign Language (besides the one taken in the core)	
IB 4950	Internship in International Business
IB 4970	Study Tour

# College of Business Minors - continued

## Management

### Management - Entrepreneurship..... 18

Minor Code: 2138

Required courses ..... 15

- ENTR 3203 Entrepreneurs: Startup Now
- ENTR 3213 Innovation and Creativity
- ENTR 3223 Innovation and Creating Wealth
- ENTR 4233 Idea to Opportunity
- ENTR 4553 New Venture Presentation

Elective courses ..... 3

- ACCT 2113 Accounting I
  - BADM 1103 Introduction to Business
  - ECON 1103 Introduction to Economics
  - ECON 2103 Principles of Microeconomics
  - ENTR 4243 Venture Scaling and Finance
  - ENTR 4353 Venture Launch
  - FIN 3563 Fundamentals of Business Finance
  - ISOM 3313 Operations Management
  - MGMT 3103 Principles of Management
  - MRKT 3013 Principles of Marketing
  - MGMT 4263 Small Business Management
- Or other courses approved by the Management Department Chair

### Management - Human Resource Management..... 21

Minor Code: 2139

Required courses ..... 18

- MGMT 3313 Human Resource Management
- MGMT 3413 Human Resource Compliance
- MGMT 4423 HR Training and Development
- MGMT 4503 Recruitment and Selection
- MGMT 4513 Compensation & Benefits
- MGMT 4723 Strategic Human Resource Management

Elective courses ..... 3

- FIN 4423 Employee Benefit Planning
  - MGMT 4203 Organizational Behavior
  - MGMT 4213 Management Theory
  - MGMT 4483 Diversity in the Workplace
  - SFTY 3433 Introduction to OSHA
- Any 3000/4000 MGMT course approved by the Department

### Minimum GPA..... 2.25

### Management - Strategy ..... 18

Minor Code: 2129

Required courses ..... 15

- ACCT 3113 Managerial Accounting **OR**
- ACCT 3413 Cost Accounting
- MGMT 4213 Management Theory
- MGMT 4443 Innovation Management
- MGMT 4823 Technology Strategy
- MGMT 4833 Corporate Strategy

Elective courses ..... 3

- FIN 3603 Financial Statement Analysis
- ENTR 4023 Corporate Entrepreneurship
- ENTR 4043 Technology Entrepreneurship
- MGMT 4253 International Business

## Marketing

### Marketing ..... 18

Minor Code: 2159

Required courses ..... 6

- MRKT 3013 Principles of Marketing
- MRKT 4813 Marketing Management

Elective Marketing ..... 12

Select from the following:  
Any MRKT course

### Marketing - Professional Selling..... 18

Minor Code: 2158

Required courses ..... 12

- MRKT 3013 Principles of Marketing
- MRKT 3123 Professional Selling
- MRKT 4133 Advanced Professional Selling
- BCOM 4333 Negotiations

Elective courses ..... 6

Selected from the following:

- MRKT 3443 Business to Business Marketing
- BCOM 4113 Interpersonal Communication
- MRKT 4143 Sales Force Management
- MRKT 4353 Marketing Ethics
- MRKT 4433 Purchasing and Materials Management
- MRKT 4463 Integrated Marketing Communication
- MRKT 4900 Practicum in Professional Selling
- MRKT 4950 Internship in Marketing

## Military Science

### Military Science ..... 18

Minor Code: 2179

Required courses ..... 12

- MLSC 3103 Advanced Military Science III Fall
- MLSC 3153 Advanced Military Science III Spring
- MLSC 4103 Advanced Military Science IV Fall
- MLSC 4113 Advanced Military Science IV Spring

Elective Military Science courses ..... 3

U.S. Military History ..... 3

- HIST 4313 U.S. Military History to 1917 **OR**
- HIST 4323 U.S. Military History Since 1900

# College of Business Certificates

## Accounting Certificate

UCO Code: 2010

**Accounting Certificate ..... 48**

Required Courses ..... 27

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- LS 3113 Legal & Ethical Environment of Business
- \*ACCT 2113 Accounting I
- \*ACCT 2133 Accounting II
- \*\*ACCT 3213 Intermediate Accounting I
- ACCT 3233 Intermediate Accounting II
- ACCT 3333 Income Tax Accounting I
- ACCT 3413 Cost Accounting
- ACCT 4363 Auditing

Accounting Electives (3000/4000 level)..... 15  
(ACCT 3113 will not apply.)

Business Courses ..... 6

- LS 4143 Law of Business Organizations **OR**
- LS 4223 Law of Commercial Transactions **AND**
- Any 3000/4000 non-Accounting Business course (FIN 3563  
Fundamentals of Business Finance suggested)

\* Requires a "C" or better grade to continue.  
\*\* Requires a "B" or better grade to continue.

At least 24 hours must be taken at UCO (exclusive of extra-institutional examination credit), including at least 15 hours of 3000/4000 level Accounting.

**Total hours required ..... 48**

### Minimum Grade Requirements

1. Average in all Accounting Certificate college course work... 2.25
2. Average in all Accounting course work ..... 2.50
3. Average in the 3000/4000 level Accounting courses..... 2.50
4. In ACCT 2113 and ACCT 2133 ..... "C"
5. In ACCT 3213 ..... "B"

Minimum Education Requirement to sit for the CPA Examination in Oklahoma:

- Bachelor's degree in any field.
- 150 credit hours, of which 76 credit hours were taken at the 3000/4000 level, of which at least 30 credit hours are 3000/4000 level Accounting courses.

Oklahoma has other non-educational requirements to apply to sit for the CPA Examination. The Oklahoma Accountancy Board can amend the requirements for candidates to take the CPA Examination at its discretion.

A student must consult with any other of the 54 jurisdictions if they want to take the CPA Examination in another state to determine if he or she meets the requirements for that particular state.

## Financial Planning Certificate

UCO code: 2070

**Financial Planning Certificate ..... 42**

Required Courses:

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **OR**
- MATH 1533 Precalculus Algebra
- MATH 2053 Math Analysis for Business
- ECON 2103 Principles of Microeconomics
- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- ACCT 3513 Tax Planning
- FIN 3523 Foundations of Insurance and Risk Management
- FIN 3563 Fundamentals of Business Finance
- FIN 4213 Investments
- LS 4323 Estate Planning and Administration
- FIN 4423 Employee Benefit Planning
- FIN 4433 Case Studies in Financial Planning

**Total hours required ..... 42**

### Minimum Grade Requirements

1. Average in all Certificate program college course work ..... 2.25
2. Average in all Finance course work ..... 2.25
3. In MATH 1453 ..... "C"

# Military Science

## Army ROTC

Through the Army Reserve Officers' Training Corps Program (Army ROTC), the Department of Military Science offers two programs to qualified male and female students leading to commissions as Second Lieutenants in the U.S. Army, the Army National Guard or the U.S. Army Reserves.

### The Four-year Program

The 4-year program consists of a Basic Course and an Advance Course. The Basic Course (MS-I and II) is normally taken in the freshman and sophomore years. This instruction introduces the student to national defense, mission and organization of the U.S. Army, role of the Army Officer, leadership, military courtesy and customs, marksmanship, mountaineering, survival and map reading. Classes meet two hours per week. Basic Course students are under no military obligation.

The Advance Course (MS-III and IV) is normally taken during a student's junior and senior years. For admission to the Advance Course as an ROTC cadet, a student must have completed or received placement credit for the Basic Course and sign a contract. Advance Course contracting is selective and based on specific criteria to include leadership potential.

Instruction includes leadership development, group dynamics, management, tactics and administration. Classes meet three hours a week. The Advance Course includes a 4 week Leader Development and Assessment Course that cadets attend during the summer between their junior and senior years.

All Basic and Advanced Course cadets are required to attend a weekly leadership lab and participate in physical training sessions three times per week.

Contracted cadets receive travel expenses and \$20 per day for Advance Camp. G.I. Bill, student loan repayment program, scholarships, and simultaneous membership program benefits are available to eligible students. Contract cadets agree to accept a commission as a Second Lieutenant, if offered, upon Advance Course completion and to fulfill an initial military obligation in either the Active Army, Army National Guard, or Army Reserve.

### The Two-year Program

The two-year program involves only the Advance Course as described above. Students may qualify for the two-year program by attending a 4 week basic ROTC summer camp or by being granted placement credit for prior military service. Graduate students may also be eligible.

### GENERAL

1. Military Science (ROTC) at UCO is fully credited. All credits may apply toward graduation.
2. Military Science can be used as activity P.E. OR elective credit.
3. Free books are provided for Military Science classes in the Basic course.
4. Six hours academic credit can be earned for summer camp completed.
5. Basic Course Military Science classes may be taken by any student for academic credit. Participation as an ROTC cadet, however, requires specific qualifications. Contact the Military Science department for details.

### SCHOLARSHIPS

Students may apply for ROTC scholarships which pay for all tuition, books, and fees, plus \$300-\$500 a month (tax free) for up to 10 months per year. High school seniors may apply for four-year scholarships up to

December of their senior year. College students may apply for three and two-year scholarships.

### CROSS ENROLLMENT FOR OCU, LANGSTON, SNU and OCU

Full-time students at Oklahoma Christian University, Langston University, Southern Nazarene University, and Oklahoma City University may enroll in the Military Sciences courses at the University of Central Oklahoma. Students may also pursue a commission through the ROTC program at UCO while pursuing their degree full-time on their respective campuses.

## Air Force ROTC

By agreement with the United States Air Force, eligible full time students at the University of Central Oklahoma may participate in Air Force ROTC and be commissioned as a second lieutenant in the U.S. Air Force upon graduation. They remain students of and graduate from UCO, but are enrolled and commissioned through the Air Force ROTC program at either Oklahoma State University or the University of Oklahoma.

For more information about the Air Force ROTC unit at OSU call 405-744-7744 or email [afrotc@okstate.edu](mailto:afrotc@okstate.edu), or visit the web sites [afrotc.okstate.edu](http://afrotc.okstate.edu) or [www.afrotc.com](http://www.afrotc.com).

For more information about the Air Force ROTC unit at OU contact the Unit Admissions Officer at 325-3211, or email [det675@maxwell.af.mil](mailto:det675@maxwell.af.mil), or visit the web site at [www.ou.edu/rotc/air-force](http://www.ou.edu/rotc/air-force).

*College of Education  
and  
Professional Studies*

*Academic Degree Programs  
and Minors*

Program: **Career, Technical & Workforce Development** Dept: Adult Educ. and Safety Sciences  
 Major: Career, Tech & Workforce Dev - Family & Consumer Sciences College: Education and Prof. Studies  
 Degree: Bachelor of Science (B.S.) Major Code: 3246

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• **Elective Life Skills** ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Major Requirements**

**Family and Consumer Sciences** ..... 76

**Required Core Courses** ..... 35

AESS 4823 Nature and Characteristic of the Adult Learner

CTWD 4203 History and Philosophy of CTWD

CTWD 4233 Curriculum Planning and Design

CTWD 4253 Management of Learning Spaces

CTWD 4403 Workforce Education

CTWD 4423 Evaluation and Assessment

CTWD 4631 Legal and Professional Issues

CTWD 4853 Instructional Strategies

CTWD 4842 Capstone in CTWD

CTWD 4950 Internship (8 hours) OR

CTWD 4900 Practicum (8 hours)

SPED 4123 Teaching Individuals with Disabilities

**Required Courses**..... 41

CTWD 4112 Managing Student Organizations

DES 1013 Interior Design for Non-Majors

FACS 3633 Problems of Today's Consumer

FACS 4223 Fundamentals of Hospitality and Tourism

FACS 4323 Parenting Skills Education

FACS 4453 Consumer Management

FACS 4513 Family Resource Management

FACS 4573 Career Education

FMCD 2213 Child Development

FMCD 4413 Families and Society **OR**

FMCD 2223 Marriage

FACS 4123 The Clothing/Textile Consumer **OR**

FMKT 2203 Basic Clothing Construction

NTRN 1483 Personal Nutrition **OR**

NTRN 1513 Introduction to Nutrition

FACS 4143 Consumer Food/Safety Principles **OR**

NTRN 1613 Principles of Food Preparation

PSY 2833 Developmental Psychology **OR**

PTE 3163 Developmental Psychology **OR**

PTE 3153 Adolescent Psychology

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

Overall GPA in all college course work..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Career, Technical & Workforce Development** Dept: Adult Educ. and Safety Sciences  
 Major: Career, Tech & Workforce Dev - Trade & Industrial College: Education and Professional Studies  
 Degree: Bachelor of Science (B.S.) Major Code: 3245

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

Minimum  
Required Hours

**Major Requirements**

**Trade and Industrial** ..... 70

**Required Core Courses** ..... 35

- AESS 4823 Nature & Characteristic of the Adult Learner
- CTWD 4203 History and Philosophy of CTWD
- CTWD 4233 Curriculum Planning and Design
- CTWD 4253 Management of Learning Spaces
- CTWD 4403 Workforce Education
- CTWD 4423 Evaluation and Assessment
- CTWD 4631 Legal and Professional Issues
- CTWD 4853 Instructional Strategies
- CTWD 4842 Capstone in CTWD
- CTWD 4950 Internship (8 hours) OR
- CTWD 4900 Practicum (8 hours)
- SPED 4123 Teaching Individuals with Disabilities

**Required Courses**.....11

- AESS 4323 Motivation in the Workplace
- AESS 4463 Contemporary Issues in Supervision
- CTWD 4112 Managing Student Organizations
- CTWD 4663 Career Tech Finance **OR**
- AESS 4163 Instructional Strategies for eLearning

**Occupational Proficiency**..... 24

CTWD 3990 (24 hours)

This requirement may be met by the following:

1. Twenty-four (24) hours may be accomplished through special advanced standing examinations in a single trade area.
2. Completion of twenty-four (24) hours of technical, business, health, computer science, or industrial courses appropriate for career and technology education or workforce development.

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

**Overall GPA in all college course work**..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Career, Technical & Workforce Development** Dept: Adult Educ. and Safety Sciences  
 Major: Career, Tech & Workforce Dev - Workforce Development College: Education and Professional Studies  
 Degree: Bachelor of Science (B.S.) Major Code: 3247

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Major Requirements**

**Workforce Development** .....74-80

**Required Core Courses** ..... 35

- AESS 4823 Nature & Characteristic of the Adult Learner
- CTWD 4203 History and Philosophy of CTWD
- CTWD 4233 Curriculum Planning and Design
- CTWD 4253 Management of Learning Spaces
- CTWD 4403 Workforce Education
- CTWD 4423 Evaluation and Assessment
- CTWD 4631 Legal and Professional Issues
- CTWD 4853 Instructional Strategies
- CTWD 4842 Capstone in CTWD
- CTWD 4950 Internship (8 hours) OR
- CTWD 4900 Practicum (8 hours)
- SPED 4123 Teaching Individuals with Disabilities

**Required Courses**..... 15

- AESS 4153 Organizational Dynamics
- AESS 4323 Motivation in the Workplace
- AESS 4463 Contemporary Issues in Supervision
- ORGL 3223 Professional Communication
- ORGL 4113 Ethics & Organizations

**Elective Courses** ..... 6

Selected from the following courses:

- AESS 4163 Instructional Strategies for eLearning
- AESS 4333 Human Relations in Training and Development
- FACS 4223 Fundamentals of Hospitality and Tourism
- FACS 4453 Consumer Management **OR**
- FACS 3633 Problems of Today's Consumer
- ORGL 4443 Markets and Stakeholders
- SFTY 4013 Alcohol and Drug Education

**Occupational Proficiency**..... 18-24

CTWD 3990 (18-24 hours)

This requirement may be met by the following:

1. Eighteen to twenty-four (18-24) hours may be accomplished through special advanced standing examinations in a single trade area.
2. Prior Learning Assessment (PLA) in related area of CTE or Workforce Development.
3. Completion of eighteen to twenty-four (18-24) hours of technical, business or related courses appropriate for career and technology education or workforce development courses.

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

Overall GPA in all college course work..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Early Childhood Education**  
 Major: **Early Childhood Education**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: Curriculum and Instruction Education  
 College: Education and Professional Studies  
 Major Code: 3000

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

- **Written and Oral Communication**..... 9
- Quantitative Reasoning/Scientific Method** ..... 10-11
- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4
- Critical Inquiry and Aesthetic Analysis**..... 6
- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

- American Historical and Political Analysis** ..... 6
- American National Government..... 3
- American History..... 3
- Cultural and Language Analysis** ..... 3-4
- Second Language ..... 4
- OR
- Cultural Analysis ..... 3
- Social and Behavioral Analysis**..... 3
- Life Skills** ..... 5
- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

- Support Courses**
- Support Courses**..... 23
- MCOM 1113 Fundamentals of Speech
  - ENG 1113 English Composition
  - ENG 1213 English Composition and Research
  - HIST 1483 History of the United States to 1877
  - POL 1113 American National Government
  - Physical Science (four hours in University Core)
  - Life Science (four hours in University Core)

**Minimum  
Required Hours**

- TESL 4222 Teaching ELL in Grades PreK-8
- ECED 4222 Leadership in Diverse Communities
- ECED 4313 Creativity & the Arts in ECED
- ^ECED 4422 Parent Community Relations
- ^\*\*ECED 4443 Theory and Practice in Early Childhood
- ^\*\*ECED 4900 Early Childhood Education Practicum (2 hour)
- ^ELED 4323 Teaching Mathematics in the Preschool & Primary Grades

**Major Requirements**

**Early Childhood Education** ..... 59

- Major Support Courses** ..... 25
- English ..... 3
  - Select one from the following:
  - ENG 2413 Fundamentals of Literature
  - ENG 2883 American Literature Since 1865
  - ENG 2653 English Literature Since 1800
  - ENG 4823 Ethnic American Literature
  - Math ..... 12
  - MATH 2013 Structures of Math
  - MATH 2023 Foundations of Geometry and Measurement
  - MATH 2113 Analysis of Data and Chance
  - MATH 2133 Patterns and Functions
  - Science ..... 4
  - PHY 3014 Earth Science
  - Social Studies..... 6
  - GEO 2303 Regional Geography of the World
  - HIST 1493 History of the United States from 1877

**Professional Education** ..... 28

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3133 Child Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4828 Internship/Student Teaching PK-3/Elem (Fall only)
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

\*\* To be taken the same semester

#To be taken the same semester

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

- Early Childhood Emphasis** ..... 25
- FMCD 3313 Guidance of the Young Child
  - ECED 4112 Health, Safety, and Nutrition in Early Childhood
  - ^ECED 4133 Science and Social Studies in Early Childhood

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Elementary Education**  
 Major: **Elementary Education**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Curriculum and Instruction Education**  
 College: **Education and Professional Studies**  
 Major Code: **3020**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

• Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

• American National Government..... 3

• American History..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 23

MCOM 1113 Fundamentals of Speech

ENG 1113 English Composition

ENG 1213 English Composition and Research

HIST 1483 History of the United States to 1877

POL 1113 American National Government

Physical Science (four hours in the University Core)

Life Science (four hours in the University Core)

**Minimum  
Required Hours**

Elementary Emphasis..... 24

ART 3302 Teaching Art to Children

^ECED 4422 Parent Community Relations

^ELED 4323 Teaching Mathematics in the Preschool and Primary Grades

^ELED 4333 Teaching Mathematics in the Intermediate Grades

^ELED 4343 Science in the Elementary School

ELED 4432 STEM Education in Grades 1-8

^ELED 4463 Social Studies in the Elementary School

MUED 3122 Teaching Music to Children

PHED 3012 Physical Education for Elementary Educ Majors

TESL 4222 Teaching ELL in Grades PreK-8

**Major Requirements**

**Elementary Education** ..... 64

**Major Support Courses** ..... 25

English ..... 3

Select one from the following:

ENG 2413 Fundamentals of Literature

ENG 2883 American Literature Since 1865

ENG 2653 English Literature Since 1800

ENG 4823 Ethnic American Literature

Math ..... 12

MATH 2013 Structures of Math

MATH 2023 Foundations of Geometry and Measurement

MATH 2113 Analysis of Data and Chance

MATH 2133 Patterns and Functions

Science ..... 4

PHY 3014 Earth Science

Social Studies..... 6

GEO 2303 Regional Geography of the World

HIST 1493 History of the United States from 1877

**Professional Education** ..... 26

PTE 1010 Introduction to Teacher Education

PTE 3023 Foundations of American Education/Clinical Exp

PTE 3133 Child Psychology

SPED 4123 Teaching Individuals with Disabilities

^PTE 4172 Educational Assessment

^PTE 4533 Contemporary Learning Sciences

^#PTE 4811 Contemporary Issues

^#PTE 4828 Internship/Student Teaching PK-3/Elem (Fall only)

^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Electives to bring total to**..... 124

**Core Area**..... 15

ELED 4063 Teaching Reading in the Primary Grades

^ELED 4173 Teaching Reading in the Intermediate/Middle School Grades

^ELED 4263 Assessment and Intervention Practices for the Teaching of Reading in Grades K-3

^ELED 4273 Assessment and Intervention Practices for the Teaching of Reading in Grades 4-8

^ELED 4283 Language Arts and Multicultural Literacy

- Minimum Graduation Requirements**
1. Overall GPA in all college course work ..... 2.50
  2. Average in course work at UCO ..... 2.00
  3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
  4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Family Life Education** Dept: Human Environmental Sciences  
 Major: **Family Life Education - Child Development** College: Education and Professional Studies  
 Degree: **Bachelor of Science (B.S.)** Major Code: 3040

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Family Life Education-Child Development..... 70**

**Human Environmental Sciences..... 54**

Required courses:

- \* FMCD 2213 Child Development
- FMCD 2223 Marriage
- FMCD 2313 Sexuality Through the Lifespan
- \* FMCD 3013 Introduction to Family Life Education
- \* FMCD 3093 Middle Childhood Development/Field Study
- \* FMCD 3243 Adolescent Development/Field Study
- \* FMCD 3313 Guidance of the Young Child
- FMCD 3423 Aging and Adult Development **OR**
- FMCD 4433 Policies/Programs for Older Adults **OR**
- FMCD 2453 Social Gerontology/Field Study
- \* FMCD 3723 Infancy and Early Childhood Development/Field Study
- \* FMCD 3813 Developmental Assessment and Evaluation
- FMCD 4002 Case Management
- \* FMCD 4253 Administration of Professional Services/FLE
- FMCD 4333 Current Issues in Family Diversity
- \* FMCD 4413 Families and Society
- FMCD 4513 Family Law and Public Policy
- \* FMCD 4713 Parent Support and Intervention
- \* FMCD 4874 Play, Curriculum, and Program Development in Early Childhood Education
- FMCD 4900 Practicum (3 hours)

\* Major courses must be completed with 3.00 GPA to enroll in the practicum.

**Interdisciplinary Coursework..... 16**

Required courses:

- ECED 4073 Language Development and Emergent Literacy
- ECED 4112 Health, Safety/Nutrition in ECED
- FACS 3633 Problems of Today's Consumer **OR**
- FIN 2313 Personal Finance
- SAS 4273 Substance Abuse and the Family **OR**
- SAS 4303 Substance Abuse in Special Populations **OR**
- SAS 4343 Prevention & Education in Substance Abuse

**Electives to bring total to..... 124**

- FMKT 2323 Global Protocol and Diversity
- FMCD 4122 Early Intervention with Infant and Toddler

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO ..... 2.50
2. Average in the major ..... 3.00
3. A grade of "C" or better must be earned in all courses in the major.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Family Life Education**  
 Major: **Family Life Education - Gerontology**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Human Environmental Sciences**  
 College: **Education and Professional Studies**  
 Major Code: **3041**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

• Cultural Analysis ..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Major Requirements**

**Family Life Education - Gerontology** ..... 73

**Human Environmental Sciences**..... 35

Required courses:

- \* FMCD 2213 Child Development
- \* FMCD 2223 Marriage
- FMCD 2313 Sexuality Through the Life Span
- \* FMCD 2453 Social Gerontology/Field Study
- \* FMCD 3013 Introduction to Family Life Education
- \* FMCD 3423 Aging and Adult Development
- FMCD 4002 Case Management
- FMCD 4333 Current Issues in Family Diversity
- \* FMCD 4413 Families and Society
- \* FMCD 4433 Policies & Programs for Older Adults
- FMCD 4513 Family Law and Public Policy
- FMCD 4900 Practicum (3 hours)

\* Courses to be completed with 3.00 GPA to enroll in the practicum.

**Interdisciplinary Coursework**..... 38

Required courses:

- HLTH 2212 First Aid with Cardiopulmonary Resuscitation
- MCOM 3073 Relational Communication **OR**
- MCOM 3113 Nonverbal Communication **OR**
- MCOM 4233 Family Communication
- SOC 2503 Introduction to Social Work
- HLTH 3403 Leadership and Ethics in Public Health
- FNRL 3483 Psychology of Grief
- FACS 3633 Problems of Today's Consumer **OR**
- FIN 2313 Personal Finance
- NTRN 3633 Life Span Nutrition
- KINS 4203 Physical Activity and Aging
- SAS 4273 Substance Abuse in the Family **OR**
- SAS 4303 Substance Abuse in Special Populations **OR**
- SAS 4343 Prevention and Education in Substance Abuse
- SOC 4053 Sociology of Aging
- AESS 4823 Nature and Characteristics of the Adult Learner

- FMKT 2323 Global Protocol and Diversity
- HLTH 4523 Health and Aging

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO ..... 2.50
2. Average in the major ..... 3.00
3. A grade of "C" or better must be earned in all courses in the major.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program:	<b>Family Life Education</b>	Dept:	Human Environmental Sciences
Major:	<b>Family Life Education - Marriage and Family</b>	College:	Education and Professional Studies
Degree:	Bachelor of Science (B.S.)	Major Code:	3042

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Family Life Education-Marriage and Family ..... 70**

**Human Environmental Sciences..... 44**

Required courses:

- \* FMCD 2213 Child Development
- \* FMCD 2223 Marriage
- FMCD 2313 Sexuality Through the Life Span
- \* FMCD 3013 Introduction to Family Life Education
- \* FMCD 3093 Middle Childhood Development/Field Study
- \* FMCD 3243 Adolescent Development/Field Study
- \* FMCD 3313 Guidance of the Young Child
- \* FMCD 3423 Aging and Adult Development **OR**
- FMCD 4433 Policies/Programs for Older Adults **OR**
- FMCD 2453 Social Gerontology/Field Study
- \* FMCD 3723 Infancy and Early Childhood Development/Field Study
- FMCD 4002 Case Management
- FMCD 4333 Current Issues in Family Diversity
- \* FMCD 4413 Families and Society
- FMCD 4513 Family Law and Public Policy
- FMCD 4713 Parent Support and Intervention
- FMCD 4900 Practicum (3 hours)

\* Courses to be completed with 3.00 GPA to enroll in the practicum.

**Interdisciplinary Coursework..... 26**

Required courses:

- MCOM 3113 Nonverbal Communication **OR**
- MCOM 3413 Conflict and Communication **OR**
- MCOM 4233 Family Communication
- HLTH 2212 First Aid with CPR
- SOC 2503 Introduction to Social Work
- FNRL 3483 Psychology of Grief
- FACS 3633 Problems of Today's Consumer **OR**
- FIN 2313 Personal Finance
- NTRN 3633 Life Span Nutrition

- SAS 4273 Substance Abuse in the Family **OR**
- SAS 4303 Substance Abuse in Special Populations **OR**
- SAS 4343 Prevention and Education in Substance Abuse
- SOC 4463 The Abused
- FMKT 2323 Global Protocol and Diversity

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO ..... 2.50
2. Average in the major ..... 3.00
3. A grade of "C" or better must be earned in all courses in the major.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Fashion Marketing**  
 Major: **Fashion Marketing**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Human Environmental Sciences**  
 College: **Education and Professional Studies**  
 Major Code: **3060**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

Minimum  
Required Hours

**Major Requirements**

**Fashion Marketing ..... 66**

**Human Environmental Sciences ..... 45**

Required courses:

- \* FMKT 2113 Fashion Marketing
- \* FMKT 2203 Basic Clothing Construction
- FMKT 2233 Creative Problem Solving
- \* FMKT 2303 Introduction to Textiles
- FMKT 2323 Global Protocol and Diversity
- \* FMKT 3223 Hard Goods Merchandising
- FMKT 3233 Decorative Textiles
- \* FMKT 3243 Fashion Advertising and Promotion
- \* FMKT 3323 Fashion Accessories
- \* FMKT 3453 Clothing Selection
- FMKT 4043 Apparel Entrepreneurship
- FMKT 4343 Image Building for Job Success
- FMKT 4423 Heritage of Dress
- FMKT 4583 Fashion Buying and Analysis
- FMKT 4900 Practicum: In Fashion Marketing (3 hours)

\* Courses to be completed before enrolling in FMKT 4900 Practicum.

**Other Required Courses..... 15**

- ACCT 2113 Accounting I
- MCOM 1113 Fundamentals of Speech
- MGMT 3103 Principles of Management
- MRKT 3013 Principles of Marketing
- MRKT 3123 Professional Selling

**Guided Electives selected from the following..... 6**

- ART 1013 Introduction to Drawing
- FIN 4263 Small Business Finance
- MRKT 4453 Retail Management
- FMKT 4970 Study Tour (3 hours) - may be taken two times

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... **2.00**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **General Studies**  
 Major: **General Studies**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Adult Education and Safety Sciences**  
 College: **Education and Professional Studies**  
 Major Code: **3220**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

<b>Written and Oral Communication</b> ..... 9	<b>American Historical and Political Analysis</b> ..... 6
	American National Government ..... 3
	American History ..... 3
<b>Quantitative Reasoning/Scientific Method</b> ..... 10-11	<b>Cultural and Language Analysis</b> ..... 3-4
Math ..... 3	Second Language ..... 4
Life Science ..... 4	OR
Physical Science..... 3-4	Cultural Analysis..... 3
<b>Critical Inquiry and Aesthetic Analysis</b> ..... 6	<b>Social and Behavioral Analysis</b> ..... 3
Aesthetic Analysis ..... 3	<b>Life Skills</b> ..... 5
Critical Inquiry ..... 3	Required Health Course..... 2
	Elective Life Skills..... 3

**Minimum  
Required Hours**

**Major Requirements**

<b>General Studies</b> ..... 37
Required Course..... 1
AESS 4851 Capstone in General Studies
General Studies ..... 36
Select at least 36 hours from the following course subjects (prefix) with no more than 18 hours from any one area.

**Area I: College of Business**

Chosen from College of Business:  
 ACCT, BADM, BCOM, ECON, ENTR, FIN, IB, ISOM, LS, MGMT, MLSC, MRKT

**Area II: College of Education and Professional Studies**

Chosen from College of Education:  
 AESS, CEPS, CTWD, ECED, ELED, FACS, FMCD, FMKT, HLTH, IME, KINS, NTRN, ORGL, PHED, PSY, PTE, READ, REC, SFTY, SLP, SPED, TESL

**Area III: College of Fine Arts and Design**

Chosen from College of Fine Arts and Design:  
 ACM, ART, DANC, DES, MPER, MUED, MUS, THRT

**Area IV: College of Liberal Arts**

Chosen from College of Liberal Arts:  
 CHIN, CJ, CSDY, ENG, FLGN, FRCH, GEO, GERM, GRK, HIST, HUM, JAPN, LATN, MCOM, PHIL, POL, SAS, SNSK, SOC, SOST, SPAN

**Area V: College of Mathematics and Science**

Chosen from College of Mathematics and Science:  
 BIO, CHEM, CMSC, ENGR, FNRL, MATH, NURS, PHY, SE, STAT

**Area VI: Interdisciplinary Studies**

Chosen from:  
 FRSC, LEAD, UNIV

**Minimum  
Required Hours**

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.00

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Kinesiology**  
 Major: **Kinesiology - Exercise/Fitness Management**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Kinesiology and Health Studies**  
 College: **Education and Professional Studies**  
 Major Code: **3120**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

• Required Health Course ..... 2

• Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Kinesiology - Exercise/Fitness Management ..... 75**

**Required Core ..... 24**

Required Courses:

+HLTH 1112 Healthy Life Skills

HLTH 2212 First Aid with Cardiopulmonary Resuscitation

HLTH 4103 Human Development

+KINS 2643 Introduction to Kinesiology Studies

+^\*\*KINS 3403 Principles in Leadership Development

^KINS 3623 Program Design and Management

+KINS 3713 Research and Evaluation

KINS 4252 Legal Aspects of Leisure Services and Fitness Programs

^KINS 4433 Management Principles

**Required Theory ..... 47**

#HLTH 3413 Nutrition for Sport and Fitness

+HLTH 3223 Applied Anatomy

HLTH 3493 Physical Treatment of Athletic Injuries

KINS 2713 Physical Activity & Health

#KINS 3112 Group Exercise Techniques

#KINS 4203 Physical Activity and Aging

#^KINS 4263 Performance Training Concepts

#^KINS 4323 Exercise Programming for Special Populations

#^KINS 4413 Applied Exercise Physiology

#^KINS 4513 Fitness Assessment

#^\*KINS 4523 Exercise Prescription

#^\*KINS 4900 Practicum in Kinesiology and Health Studies (1 hr)

+^\*\*KINS 4900 Practicum in Kinesiology and Health Studies (1 hr)

#KINS 4950 Internship in Kinesiology and Health Studies (4 hrs)

+PHED 3333 Mechanical Principles and Analysis of Movement

+PHED 3503 Physiology of Exercise

REC 3513 Facility Management

**Required Theory (Supporting Fields) ..... 4**

+CHEM 1014 Introduction Chemistry and Lab

+CHEM 1014L Introduction Chemistry Lab

\* To be taken concurrently

\*\* To be taken concurrently

^ Must be completed to enroll in the internship

+ Must be taken prior to admission into the program with a minimum 2.5 average.

# Admission into the Exercise/Fitness Management major required.

**Electives to bring total to ..... 124**

**Minimum Grade Requirements**

**1. Average in all college course work ..... 2.00**

**2. Average in all UCO coursework ..... 2.00**

**3. Average in Pre-Kinesiology (+) course work ..... 2.50  
(minimum grade of "C").**

**4. Average in major course work ..... 2.50  
(minimum grade of "C").**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Admission to the Major:

The student must apply for the Exercise & Fitness Management program by submitting the application and transcript to the Kinesiology & Health Studies Office on or before the last Friday of January for fall admission and the second Friday of September for spring admission. Students will be notified eight to ten weeks after the filing date as to the disposition of the application.

Program: **Kinesiology** Dept: Kinesiology and Health Studies  
 Major: **Kinesiology - Outdoor and Community Recreation** College: Education and Professional Studies  
 Degree: **Bachelor of Science (B.S.)** Major Code: 3122

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

• Required Health Course ..... 2

• Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Kinesiology - Outdoor and Community  
Recreation ..... 76**

**Required Core ..... 24**

Required Courses:

- HLTH 1112 Healthy Life Skills
- HLTH 2212 First Aid with Cardiopulmonary Resuscitation
- HLTH 4103 Human Development
- KINS 2643 Introduction to Kinesiology Studies
- \*\*KINS 3403 Principles in Leadership Development
- KINS 3623 Program Design and Management
- KINS 3713 Research and Evaluation
- KINS 4252 Legal Aspects of Leisure Services and Fitness Programs
- KINS 4433 Management Principles

**Required Theory (Additional Recreation courses)..... 36**

- HLTH 3223 Applied Anatomy
- HLTH 3453 Group Dynamics
- HLTH 4523 Health and Aging
- REC 2402 Outdoor Recreation
- REC 2433 Outdoor Pursuits
- REC 2812 Camp Administration and Programming
- REC 3433 Community Recreation
- REC 3513 Facility Management
- REC 3702 Wilderness First Aid
- REC 3803 Tourism and Recreation
- REC 4363 Therapeutic Recreation
- \*\*REC 4900 Practicum in Recreation (2 hours)
- REC 4950 Internship in Recreation (4 hours)

\*\* To be taken concurrently

**Elective Kinesiology and Health Studies..... 13**

Selected from the following courses:

- HLTH 3163 Environmental Health
- HLTH 3263 Media Advocacy and Health Communication
- HLTH 3403 Leadership and Ethics in Public Health

- HLTH 3413 Nutrition for Sport and Fitness
- HLTH 3493 Physical Treatment of Athletic Injuries
- KINS 3633 Grant Writing and Fundraising
- KINS 4910 Seminar in Kinesiology and Health Studies (1-4 hours)
- PHED 1722 Lifeguard Training
- PHED 3333 Mechanical Principles and Analysis of Movement
- PHED 3503 Physiology of Exercise
- REC 2502 Challenge Course Training
- REC 4503 Organization and Administration of Recreation Facilities

**Electives - Selected from the following courses ..... 3**

- ENG 4023 Technical Writing
- FIN 3513 Risk Management for the Firm
- MCOM 2193 Principles of Public Relations
- MGMT 3313 Human Resource Management
- SFTY 3433 Introduction to OSHA
- SOC 3103 Juvenile Delinquency
- SOC 3403 The Family
- SOC 4053 Sociology of Aging

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. In courses in the major..... "C"

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Nutrition, Dietetics, and Food Management** Dept: Human Environmental Sciences  
 Major: **Nutrition, Dietetics, and Food Management** College: Education and Professional Studies  
 Degree: Bachelor of Science (B.S.) Major Code: 3080

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

- Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Major Support Courses ..... 11**

**Required courses:**

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I Lab
- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra
- PSY 1103 General Psychology

Upon completion of the above courses, corresponding general education requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Nutrition, Dietetics and Food Management ..... 79**

**Human Environmental Sciences..... 45**

Required courses:

- NTRN 1513 Introduction to Nutrition
- NTRN 1613 Principles of Food Preparation and required Lab
- NTRN 2213 World Foods and Culture
- NTRN 2411 Overview of Dietetics
- NTRN 2423 Introduction to Clinical Nutrition
- NTRN 3131 Food Safety and Sanitation
- NTRN 3633 Life Span Nutrition
- NTRN 3723 Nutrition Education
- NTRN 3863 Community Nutrition
- NTRN 4034 Medical Nutrition Therapy
- NTRN 4053 Application of Nutritional Care
- NTRN 4123 Food Science with Lab
- NTRN 4394 Advanced Nutrition
- NTRN 4674 Quantity Foods and required Lab
- NTRN 4704 Institutional Food Management

**Science..... 22**

Required courses:

- BIO 2314 Introductory Microbiology and Lab
- BIO 2604 Human Physiology and Lab
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II Lab

- CHEM 3013 Organic Chemistry for Life Sciences
- CHEM 3403 Biochemistry I
- CHEM 4103 Biochemistry II

**Statistics ..... 3**

- Required Course:
- STAT 2103 Introduction to Statistics for Sciences **OR**
- ECON 2303 Statistics for Health Care

**Business..... 9**

Required courses:

- ACCT 2113 Accounting I
- MGMT 3103 Principles of Management
- MRKT 3013 Principles of Marketing

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

**Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.50**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Occupational Safety**  
 Major: **Occupational Safety**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Adult Education and Safety Sciences**  
 College: **Education and Professional Studies**  
 Major Code: **3261**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Major Requirements**

**Occupational Safety** ..... 61

**Required Courses:**..... 58

- MATH 1453 Applied Algebra OR
- MATH 1513 College Algebra
- CHEM 1014 Introductory Chemistry and Lab
- SFTY 2343 Safety Education
- SFTY 2503 Basic Measurements in Occupational Safety
- SFTY 3073 Fundamentals of Occupational Safety
- SFTY 3103 Legal Aspects of Occupational Safety
- SFTY 3333 Ergonomics
- SFTY 3343 Construction Safety
- SFTY 3433 Introduction to OSHA
- SFTY 3443 Mandatory OSHA Training
- SFTY 3733 Fundamentals of Emergency Management
- SFTY 4123 Industrial Hygiene I
- SFTY 4163 Environmental Management
- SFTY 4173 Fire Prevention and Protection
- SFTY 4213 Chemical Hazards and Controls
- SFTY 4403 Transportation Safety Management
- SFTY 4433 Occupational Risk Management
- SFTY 4633 Accident Investigation Techniques
- SFTY 4643 Advanced Safety Management

**Capstone**..... 3 #

Selected from the following:

- SFTY 4873 Safety Program Development
- SFTY 4950 Internship in Occupational Safety (3 hrs required)

#All B.S. in Occupational Safety majors must complete the Safety Senior Exam in conjunction with their capstone experience. The score on the Safety Senior Exam will be incorporated into the Capstone grade.

**Electives to bring total to** ..... 124

Recommended electives:

HLTH 2212	First Aid with CPR
SFTY 2323	Product Safety
SFTY 3112	Physical Aspects of Occupational Safety
SFTY 3203	Driver and Traffic Safety Education I
SFTY 3353	Radiation Safety
SFTY 3623	Fundamentals of Petroleum Safety
SFTY 3633	International Safety
SFTY 3713	Supervisor Development
SFTY 4013	Alcohol and Drug Education
SFTY 4083	Advanced Safety Engineering
SFTY 4133	Industrial Hygiene II
SFTY 4152	Personal Protective Equipment
SFTY 4203	Principals, History and Philosophy of Safety Education
SFTY 4222	Industrial Fire Systems
SFTY 4232	Life Safety Code
SFTY 4243	Industrial Noise Control
SFTY 4253	Electrical Safety
SFTY 4303	Driver and Traffic Safety II
SFTY 4323	Underground Storage Tank Management
SFTY 4333	Storm Water Management
SFTY 4412	Hazard Communication
SFTY 4423	Applied Ergonomics
SFTY 4443	Asbestos and Lead Management
SFTY 4453	Hazard Waste Operations and Emergency Response
SFTY 4463	Industrial Ventilation
SFTY 4613	Professional Safety Development
SFTY 4723	Advanced Field Applications in Petroleum Safety
SFTY 4900	Practicum in Occupational Safety (1-4 hours)
Other courses as approved by Program Coordinator	

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.00

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Organizational Leadership**  
 Major: **Organizational Leadership**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Adult Education and Safety Sciences**  
 College: **Education and Professional Studies**  
 Major Code: **3230**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

<b>Written and Oral Communication</b> .....	<b>9</b>
<b>Quantitative Reasoning/Scientific Method</b> .....	<b>10-11</b>
Math .....	3
Life Science .....	4
Physical Science.....	3-4
<b>Critical Inquiry and Aesthetic Analysis</b> .....	<b>6</b>
Aesthetic Analysis .....	3
Critical Inquiry.....	3

<b>American Historical and Political Analysis</b> .....	<b>6</b>
American National Government .....	3
American History .....	3
<b>Cultural and Language Analysis</b> .....	<b>3-4</b>
Second Language.....	4
OR	
Cultural Analysis.....	3
<b>Social and Behavioral Analysis</b> .....	<b>3</b>
<b>Life Skills</b> .....	<b>5</b>
Required Health Course.....	2
Elective Life Skills.....	3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

<b>Organizational Leadership</b> .....	<b>42</b>
<b>Required courses</b> .....	<b>27-30</b>
ORGL 3113 Foundations of Organizational Leadership and Personal Development	
ORGL 3223 Professional Communication	
ORGL 3333 Data Analysis and Interpretation	
ORGL 3443 Survey of Fiscal Management	
ORGL 4113 Ethics & Organizations	
ORGL 4223 The Individual, the Organization, and Society	
ORGL 4333 Leading and Managing	
ORGL 4443 Markets and Stakeholders	
ORGL 4553 Capstone	
ORGL 4993 Professional Internship (Optional)	

Area of Focus: Global Citizenship		
DES	1533	Design in Global Culture
ECON	1203	Economics of Social Issues
FMKT	2323	Global Protocol and Diversity
GEO	4811	Geographic Current Affairs
HIST	3431	Contemporary Affairs
HUM	4113	World Religions
MCOM	3083	Intercultural Communication
MCOM	4523	Global Communication
MRKT	4413	International Marketing
POL	3263	International Law
POL	4543	International Cooperation
POL	4633	Politics and the World Economy

**Electives to bring total to..... 124**

**Area of Focus: Supervision .....12-15**

An individualized formal plan of study must be developed by the student and the academic advisor prior to enrollment in this program. This plan of study will take into consideration such factors as the student's personal supervisory needs, career aspirations, and course formatting. A combination of 12-15 hours shall be selected from one of the following areas:

Area of Focus: Supervision		
AESS	3413	Creativity for Leaders
AESS	3513	Critical Thinking for Leaders
FACS	3633	Problems of Today's Consumer
AESS	4123	Principles of Training and Development
AESS	4153	Organizational Dynamics
AESS	4163	Instructional Strategies for eLearning
AESS	4323	Motivation in the Workplace
AESS	4333	Human Relations in Training and Development
AESS	4343	Consulting Skills in Training and Development
AESS	4363	Legal Issues in Employment
AESS	4823	Nature and Characteristics of the Adult Learner
AESS	4930	Individual Study

**Minimum Grade Requirements**

- Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.00**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Physical Education/Health**  
 Major: **Physical Education/Health**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Kinesiology and Health Studies**  
 College: **Education and Professional Studies**  
 Major Code: **3140**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses ..... 9**

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**Physical Education/Health ..... 49**

**Required Theory ..... 41**

- HLTH 1112 Healthy Life Skills
- HLTH 2113 Introduction to PK-12 Health
- HLTH 2212 First Aid with Cardiopulmonary Resuscitation
- HLTH 3103 Teaching PK-12 Health Concepts
- HLTH 3223 Applied Anatomy
- HLTH 3493 Physical Treatment of Athletic Injuries
- PHED 2013 Introduction to Physical Education/Health
- PHED 3023 Adapted Physical Education
- PHED 3192 Instructional Techniques for Movement
- PHED 3303 Physical Education in the Elementary School
- PHED 3333 Mechanical Principles and Analysis of Movement
- PHED 3503 Physiology of Exercise
- PHED 3522 Fitness Applications for Physical Education
- PHED 3533 Measurement and Evaluation of Health and Physical Education
- PHED 4533 Motor Learning and Development

**Required Activity ..... 8**

- PHED 1402 Fitness Development and Assessment
- PHED 1432 Techniques of Teaching Skills & Activities I
- PHED 1462 Techniques of Teaching Skills & Activities II
- PHED 2792 Rhythmic Movements for PK-12

**Professional Education ..... 28**

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- ^PHED 4303 Methods of Teaching Physical Education in Secondary Schools
- TESL 4222 Teaching ELL in Grades PreK-8 OR

**Minimum  
Required Hours**

- TESL 4232 Teaching Secondary ELLs
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Psychology**  
 Major: **Psychology**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Psychology**  
 College: **Education and Professional Studies**  
 Major Code: **3300**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

• Life Science..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

Aesthetic Analysis..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language..... 4

OR

Cultural Analysis..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Support Courses**

**Support Courses**..... 14

^MATH 1113 Math for General Education **OR** equivalent

^ENG 1113 English Composition **OR** equivalent

^ENG 1213 English Composition and Research **OR** equivalent

^BIO 1114 General Biology **AND**

^BIO 1211 University Life Sciences Lab **OR** equivalent

**Major Requirements**

**Psychology** ..... 54

**Required Core Courses** ..... 45

^PSY 1103 General Psychology

PSY 1123 Careers & Writing in Psychology

^PSY 1133 Applying Psychological Science

PSY 2103 Social Psychology

PSY 2753 Psychological Statistics

PSY 2833 Developmental Psychology

PSY 3033 Sensation Perception and Action

^PSY 3713 Advanced Statistics: SPSS

PSY 3833 Experimental Psychology

PSY 3903 Biological Psychology

PSY 3913 Learning and Behavior

PSY 4213 Motivation and Emotion

PSY 4393 Cognitive Psychology

PSY 4753 Abnormal Psychology

PSY 4783 History and Systems of Psychology

**Electives** ..... 9

Selected from the following courses:

PSY 3863 Psychological Measurement

PSY 3883 Principles of Organization-Industry Psychology

PSY 4553 Comparative Psychology

PSY 4623 Theories of Personality

PSY 4773 Principles of Clinical Psychology

PSY 4900 Practicum in Psychology

Any 3000/4000 level PSY course

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

**Average in (a) all college course work, (b) course work at UCO, and (c) major courses**..... 2.00

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

^ A grade of "C" or better must be earned in MATH 1113, ENG 1113, ENG 1213, BIO 1114, BIO 1211, PSY 1103, PSY 1133, and PSY 3713.



Program: **Public Health**  
 Major: **Public Health**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Kinesiology and Health Studies**  
 College: **Education and Professional Studies**  
 Major Code: **3102**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course ..... 2
- Elective Life Skills ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Support Courses**

**Support Courses**.....0-3

MATH 1453 Applied Algebra with minimum grade of “C” **OR**  
 MATH 1513 College Algebra with a minimum grade of “C”  
**OR** High School Algebra II with a minimum grade of “C”.

- + Must be taken prior to or concurrently enrolled in to apply for admission into the program.
- # Admission into the Public Health Program required.
- @ Students in the BS/MPH program in Public Health must enroll in the graduate level versions of this course. Students may take only three 5000-level courses as part of the accelerated program.

**Major Requirements**

**Public Health** ..... 63

**Required Theory** ..... 55

- +HLTH 1112 Healthy Life Skills
- +\*HLTH 2203 Introduction to Public Health
- +\*HLTH 4900 Practicum in Public Health (1 hour)
- HLTH 3163 Environmental Health
- #^HLTH 3203 Introduction to Epidemiology
- +HLTH 3263 Media Advocacy and Health Communication
- #HLTH 3323 Program Planning
- +HLTH 3403 Leadership and Ethics in Public Health
- HLTH 3513 Health Administration and Policy
- KINS 3713 Research and Evaluation
- HLTH 4103 Human Development
- #^HLTH 4203 Health Assessment and Evaluation
- @HLTH 4223 Health Equity and Determinants of Health
- +@HLTH 4233 Contemporary Issues in Public Health
- HLTH 4313 Healthy Aspects of Sexuality
- #HLTH 4433 Community Intervention
- @HLTH 4443 Resource Management in Public Health
- HLTH 4523 Health and Aging
- #HLTH 4950 Internship: Public Health (4 hours)

**Required Related Course Work** ..... 8

- BIO 2102 Biological & Medical Terminology
- STAT 2103 Intro Statistics for Sciences OR 3 hours of Statistics
- ENG 4023 Technical Writing

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. **Average in all college course work and course work at UCO.** ..... 2.00
2. **Average in the major** ..... 2.50
3. **A grade of “C” or better must be earned in all courses in the major.**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

**Admission to the Major:**  
 Students must apply to the Public Health Program by completing the application found at the link on the Public Health Program page. For spring admission, online applications must be submitted on or before the second Friday of September. For fall admission, online applications must be submitted on or before the last Friday of January.

Following application completion, students will submit their transcript and be scheduled for an in-person writing assessment. Students will be notified eight to ten weeks after the filing date as to the disposition of the application.

\* To be taken concurrently  
 ^ Must be completed to enroll in internship (+ additional 4 hours 3000/4000 level).

Program: **Special Education** Donna Nigh Dept. of Adv. Prof. and Special Services  
 Major: **Special Education - Mild-Moderate Disabilities** College: Education and Professional Studies  
 Degree: **Bachelor of Science in Education (B.S.Ed.)** Major Code: 3321

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 23

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research
- HIST 1483 History of the United States to 1877
- POL 1113 American National Government
- Physical Science (four hours in the University Core)
- Life Science (four hours in the University Core)

**Major Requirements**

**Special Education - Mild-Moderate Disabilities** 59

**Academic Content Areas** ..... 25

English ..... 3

Select one from the following:

- ENG 2413 Fundamentals of Literature
- ENG 2883 American Literature Since 1865
- ENG 2653 English Literature Since 1800
- ENG 4823 Ethnic American Literature

Math ..... 12

- MATH 2013 Structures of Math
- MATH 2023 Foundations of Geometry and Measurement
- MATH 2113 Analysis of Data and Chance
- MATH 2133 Patterns and Functions

Science ..... 4

- PHY 3014 Earth Science

Social Studies..... 6

- GEO 2303 Regional Geography of the World
- HIST 1493 History of the United States since 1877

**Core Courses** ..... 19

- READ 4243 Diagnosis/Intervention in Reading
- SPED 4102 Language Development in Special Education
- SPED 4212 Legal Aspects of Special Education
- SPED 4232 Educ Strat for Young Children w/Special Needs
- SPED 4303 Assessing the Exceptional Individual
- SPED 4443 Behavioral/Classroom Management
- SPED 4452 Curr Mod/Assistive Technology in Special Educ

**Minimum  
Required Hours**

SPED 4582 Secondary Special Education

**Mild-Moderate Disabilities** ..... 15

- SPED 4242 Foundations of Mild-Moderate Disabilities
- SPED 4653 Procedures for Mild-Moderate Learning Disabilities
- SPED 4763 Procedures for Mild-Moderate ID
- SPED 4743 Procedures for Mild-Moderate Emotional/  
Behavioral Disorders
- SPED 4842 Curr Development for Mild-Moderate Disabilities
- SPED 4900 Practicum in Special Education (1 hour)  
(Clinical 1: Mild-Moderate Disabilities)
- SPED 4900 Practicum in Special Education (1 hour)  
(Clinical Experience 2)

**Professional Education** ..... 28

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Special Education** Donna Nigh Dept. of Adv. Prof. and Special Services  
 Major: **Special Education - Severe-Profound/Multiple Disabilities** College: Education and Prof. Studies  
 Degree: **Bachelor of Science in Education (B.S.Ed.)** Major Code: 3322

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

• Math..... 3

Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

• American National Government..... 3

• American History..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

• Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses..... 23**

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research
- HIST 1483 History of the United States to 1877
- POL 1113 American National Government
- Physical Science (four hours in the University Core)
- Life Science (four hours in the University Core)

**Major Requirements**

**Special Education - Severe-Profound/Multiple Disabilities..... 59**

**Academic Content Areas ..... 25**

English ..... 3

Select one from the following:

- ENG 2413 Fundamentals of Literature
- ENG 2883 American Literature Since 1865
- ENG 2653 English Literature Since 1800
- ENG 4823 Ethnic American Literature

Math ..... 12

- MATH 2013 Structures of Math
- MATH 2023 Foundations of Geometry and Measurement
- MATH 2113 Analysis of Data and Chance
- MATH 2133 Patterns and Functions

Science ..... 4

- PHY 3014 Earth Science

Social Studies..... 6

- GEO 2303 Regional Geography of the World
- HIST 1493 History of the United States since 1877

**Core Courses ..... 19**

- READ 4243 Diagnosis/Intervention in Reading
- SPED 4102 Language Development in Special Education
- SPED 4212 Legal Aspects of Special Education
- SPED 4232 Educ Strat for Young Children w/Special Needs
- SPED 4303 Assessing the Exceptional Individual
- SPED 4443 Behavioral/Classroom Management
- SPED 4452 Curr Modification/Assistive Tech in Special Educ

SPED 4582 Secondary Special Education

**Severe-Profound/Multiple Disabilities ..... 15**

- SPED 4252 Foundations of Severe-Profound Disabilities
- SPED 4693 Proc for Severe-Profound Physical Hlth Disabilities
- SPED 4773 Proc for Severe-Profound Mental Retardation
- SPED 4753 Procedures for Severe Profound Emotional/ Behavioral Disorders
- SPED 4852 Curr Development for Severe-Profound Disabilities
- SPED 4900 Practicum in Special Education (1 hour) (Clinical 1 - Severe-Profound Disabilities)
- SPED 4900 Practicum in Special Education (1 hour) (Clinical Experience 2)

**Professional Education ..... 28**

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp.
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Speech-Language Pathology**  
 Major: **Speech-Language Pathology**  
 Degree: **Bachelor of Science (B.S.)**

Donna Nigh Dept. of Adv. Prof. and Special Services  
 College: **Education and Professional Studies**  
 Major Code: **3340**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

<b>• Written and Oral Communication..... 9</b>	<b>American Historical and Political Analysis ..... 6</b>
	American National Government ..... 3
	American History ..... 3
<b>Quantitative Reasoning/Scientific Method ..... 10-11</b>	<b>Cultural and Language Analysis ..... 3-4</b>
• Math..... 3	Second Language ..... 4
• Life Science ..... 4	OR
• Physical Science ..... 3-4	Cultural Analysis..... 3
<b>Critical Inquiry and Aesthetic Analysis ..... 6</b>	<b>• Social and Behavioral Analysis..... 3</b>
Aesthetic Analysis ..... 3	<b>Life Skills ..... 5</b>
Critical Inquiry..... 3	Required Health Course..... 2
	Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses.....20-24**

- ENG 1113 English Composition
- ENG 1213 English Composition and Research
- MCOM 1113 Fundamentals of Speech
- MATH 1453 Applied Algebra with “C” grade or higher **OR**
- MATH 1513 College Algebra with “C” grade or higher **OR**
- High School Algebra II with “C” grade or higher
- \*\*BIO 1114 General Biology **OR**
- BIO 1404 Animal Biology & Laboratory **OR**
- BIO 2504 Human Anatomy & Laboratory
- \*\*PHY 1014 University Physical Science **OR**
- PHY 1024 University Physical Science w/Lab **OR**
- PHY 1114 General Physics and Laboratory **OR**
- CHEM 1014 Introductory Chemistry and Lab **OR**
- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Lab
- PSY 1103 General Psychology

Upon completion of the above courses, corresponding university core requirements may be satisfied. These courses are required for this major regardless of previous degrees conferred.

\*\* Either the Biology or Physical Science courses must include a lab.

**Major Requirements**

**Speech/Language Pathology ..... 75**

**Required Courses..... 40-42**

- SLP 4003 Foundations of Speech-Language Pathology
- SLP 4014 Normal Language Development
- SLP 4023 Fluency Disorders
- SLP 4054 Language Disorders
- SLP 4143 Acoustic Phonetics
- SLP 4223 Audiology
- SLP 4673 Speech Sound Disorders
- SLP 4693 Voice Disorders
- SLP 4703 Aural Rehabilitation
- SLP 4713 Clinical Methods in Speech-Language Pathology
- SLP 4724 Speech and Hearing Mechanism
- SLP 4742 Cultural Issues in Speech-Language Pathology

- SLP 4752 Special Populations in Speech-Language Pathology
- ^ SLP 4900 Practicum in Speech-Language Pathology (1 hour)
- ^ SLP 4900 Practicum in Speech-Language Pathology (1 hour)

^Competitive admission to SLP 4900 Practicum. Students not accepted into one or both practicums must complete additional 1-2 hours of Related Electives to meet the 75 hours in the major.

**Required Related Coursework ..... 3**

- STAT 2103 Introduction to Statistics for Sciences **OR**
- STAT 2113 Statistical Methods

**Related Electives as approved by department ..... 18-20**

(Complete list available through Advisement Center or Program Coordinator)

**Professional Education ..... 12**

- PTE 1010 Introduction to Teacher Education
- SPED 4123 Teaching Individuals with Disabilities
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- ^PTE 4533 Contemporary Learning Sciences

^ Admission to Teacher Education required

**Electives to bring total to..... 124**

- CONTINUED ON NEXT PAGE -

Program: **Speech-Language Pathology** - continued  
 Major: **Speech-Language Pathology**  
 Degree: Bachelor of Science (B.S.)

Donna Nigh Dept. of Adv. Prof. and Special Services  
 College: Education and Professional Studies  
 Major Code: 3340

- CONTINUED FROM PREVIOUS PAGE -

### Minimum Grade Requirements

1. Average in all college course work and course work at UCO ..... 2.75
2. Courses in English Composition, Fundamentals of Speech, Foundations of Speech-Language Pathology, Professional Education, and courses in the major ..... "C"
3. Foreign Language Proficiency ..... TOEFL score of 580 or Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

The Speech-Language Pathology Program requires admission to the Upper Division Speech-Language Pathology courses. Admission is competitive as there are more applicants than positions available.

### Speech-Language Pathology

Students pursuing the Bachelor of Science in Speech-Language Pathology are required to request formal permission during their sophomore year (or after completing 60 semester hours) to the Program Director of Speech-Language Pathology to enroll in upper division courses in this major. The student must submit the Request for Permission form and official transcript(s) to the Speech-Language Pathology program beginning the first Monday in April and must be submitted on or before the first Friday of August for consideration for Fall permission to enroll in the upper division sequence. There is only one round of permission for upper division courses; the course sequence begins in the Fall term. Speech-Language Pathology courses are sequential, so that each subsequent semester the student must have completed the previous major professional courses with satisfactory academic progress for continued enrollment in SLP courses. However, Foundations of Speech-Language Pathology does not require permission and may be taken before entering the course sequence or concurrently in the first Fall of the upper division course sequence.

**Admission is competitive as applications exceed the number of positions available.** Formal permission by the Program Director is required for admission. The student may be notified of permission up until the week before Fall coursework begins. It is advisable that the student applicant enroll in alternative courses for the Fall semester while pending approval for permission into the Speech-Language Pathology upper division courses. If given permission to enroll in the upper division courses, the student would be able to 'Drop' the previously enrolled courses and 'Add' the SLP courses.

### ^SLP 4900 Practicum

All students applying to participate in senior practicum are required to submit formal application, current official transcripts, and three letters of recommendation (one from a college level professor and two from professors in Speech-Language Pathology). Admission into senior practicum is competitive as there are more students applying than positions available. Preference is given to students with higher GPAs, evidencing the ability to succeed academically. Students seeking permission to enroll in senior practicum must continue to meet all minimum requirements as published in the Undergraduate Catalog and in the Speech-Language Pathology Handbook for permission to enroll and for Progression in the Program. Formal permission by the Program Director and Clinical Director is required to enroll in Senior Practicum.

Please Note: Candidates for the Bachelor of Science in Speech-Language Pathology are required to apply for admission to teacher education as a prerequisite to PTE 4533 Contemporary Learning Sciences, a professional education requirement of the degree and must meet and maintain admission requirements for admission into teacher education (see 'Admission to Teacher Education').

For more information and details, please refer to the Speech-Language Pathology Handbook at: <http://sites.uco.edu/ceps/files/sps/SLP/SLP%20Majors%20Handbook%2020142.pdf>.

\*\* The Master of Science education program in Speech-Language Pathology at the University of Central Oklahoma is accredited by the **Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA)** of the American Speech-Language-Hearing Association, 2200 Research Boulevard #310, Rockville, Maryland 20850, 800-498-2071 or 301-296-5700.

# College of Education and Professional Studies Minors

A minor is an optional component of a student’s degree (unless otherwise stated) that, upon graduation, will be reflected on the student’s transcript. A student may earn a minor or multiple minors in the same program, provided the minor differ at the major level. Minors may not be earned independently of a bachelor’s degree granted by the University of Central Oklahoma. Minors may not be earned as a part of an associate degree. Minors do not appear on diplomas.

## Minimum Requirements for Minors

Minimums for minors unless otherwise specified:

<b>Total Hours</b> .....	<b>18</b>
<b>Upper Division Hours (3/4000 level)</b> .....	<b>6</b>
<b>Residency Hours</b> .....	<b>6</b>
<b>GPA</b> .....	<b>2.00</b>

## Family Life Education

**Family Life Education - Child Life** .....26-28

Minor Code: 3049

Required Courses..... 19

FMCD 2213	Child Development
FMCD 4413	Families and Society
FMCD 4773	Introduction to Child Life
FMCD 4874	Play, Curriculum, and Program Development
KINS 3713	Research and Evaluation
SOC 4533	Sociology of Death and Dying

Select 2 courses from the following ..... 4-6

BIO 2102	Biological & Medical Terminology
ECED 4073	Language Development and Emergent Literature
ECED 4112	Health, Safety/Nutrition in Early Childhood
FMCD 4122	Early Intervention w/Infant Toddler
SPED 4123	Teaching Individuals with Disabilities

Select one (1) course from the following..... 3

FMCD 3093	Middle Childhood Development/Field Study
FMCD 3243	Adolescent Development/Field Study
FMCD 3723	Infancy/Early Childhood Development/Field Study

This minor restricted to Family Life Education majors only. This minor will enable students to sit for the Child Life Specialist exam.

## Fashion Marketing

**Fashion Marketing**..... 18

Minor Code: 3079

Required Courses..... 15

FMKT 2113	Fashion Marketing
FMKT 2303	Introduction to Textiles
FMKT 3243	Fashion Advertising and Promotion
FMKT 3453	Clothing Selection
FMKT 4583	Fashion Buying and Analysis
	Fashion Marketing Electives 3

Suggested Electives:

FMKT 2323	Global Protocol and Diversity
FMKT 3223	Hard Goods Merchandising
FMKT 3323	Fashion Accessories
FMKT 3233	Decorative Textiles
FMKT 4970	Study Tour (3 hours)

## Human Environmental Sciences

**Human Environmental Sciences** ..... 18

Minor Code: 3099

Elective Human Environmental Sciences ..... 18

Select courses from each of the following areas:

FMCD, FMKT, NTRN

## Kinesiology

**Kinesiology - Outdoor & Community Recreation** ..... 19

Minor code: 3129

Required courses ..... 19

KINS 2643	Introduction to Kinesiology Studies
REC 2402	Outdoor Recreation
REC 2433	Outdoor Pursuits
REC 2812	Camp Administration and Programming
REC 3433	Community Recreation
REC 3513	Facility Management
REC 3803	Tourism and Recreation

## Nutrition

**Nutrition**..... 18

Minor Code: 3098

Required courses..... 6

NTRN 1513	Introduction to Nutrition <b>OR</b>
NTRN 1483	Personal Nutrition
NTRN 3633	Life Span Nutrition

Elective courses ..... 12

Select from the following:

Any NTRN course

## Occupational Safety

**Occupational Safety** ..... 21

Minor Code: 3269

Required courses:

MATH 1453	Applied Algebra <b>OR</b>
MATH 1513	College Algebra
SFTY 2343	Safety Education
SFTY 2503	Basic Measurements in Occupational Safety
SFTY 3073	Fundamentals of Occupational Safety
SFTY 3433	Introduction to OSHA
SFTY 4123	Industrial Hygiene I
SFTY 4163	Environmental Management

## Psychology

**Psychology** ..... 18

Minor Code: 3319

Required courses..... 12

PSY 1103	General Psychology
PSY 1133	Applying Psychological Science
PSY 2103	Social Psychology <b>OR</b>
PSY 2833	Developmental Psychology
PSY 2753	Psychological Statistics

Elective Psychology (6 hours at 3/4000 level) ..... 6

**A minimum grade of “C” must be earned in each course in the minor to meet degree requirements.**

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# *College of Education and Professional Studies Minors*

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## **Public Health**

**Public Health ..... 20**

Minor Code: 3117

Required Theory courses ..... 20

- HLTH 1112 Healthy Life Skills
- HLTH 2203 Introduction to Public Health
- HLTH 3263 Media Advocacy and Health Communication
- HLTH 4103 Human Development
- HLTH 4223 Health Equity and Determinants of Health
- HLTH 4313 Healthy Aspects of Sexuality
- HLTH 4523 Health and Aging

A grade of "C" or better is required in all courses.

# *College of Fine Arts and Design*

*Academic Degree Programs  
and Minors*



Program: **Art**  
 Major: **Art - Studio Art**  
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: **Art**  
 College: **Fine Arts and Design**  
 Major Code: **1006**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills ..... 3

	Minimum Required Hours
<b>Major Requirements</b>	
<b>Art - Studio Art .....</b>	<b>80</b>
<b>Required Foundation Courses .....</b>	<b>27</b>

**Required Foundation Courses ..... 27**

- ART 1023 Beginning Drawing I
- ART 1043 Beginning Drawing II: Figure and Anatomy
- ART 1063 2-D Fundamentals
- ART 1073 3-D Fundamentals
- ART 1083 Color
- ART 1153 Global Art and Visual Culture I
- ART 2403 Global Art and Visual Culture II
- ART 2903 Foundation Seminar
- ART 3513 Contemporary Art and Visual Culture

Students must successfully complete the Foundation Seminar class with at least a "C" and achieve an average of at least 2.75 in foundation courses before enrollment in any upper division courses.

**Studio Area of Emphasis Courses ..... 15**

Select 15 hours from one of the following six areas. \*ART 4600 Studio Art may be taken for a maximum of six credit hours.

**Area 1: Ceramics**

- ART 2703 Ceramics I
- ART 2803 Ceramics II
- ART 3173 Ceramics III
- ART 4263 Ceramics IV
- ART 3990 Advanced Topics
- \*ART 4600 Studio Art
- ART 4900 Practicum in Art

**Area 2: Drawing**

- ART 2103 Drawing III: Contemporary Practices
- ART 3113 Intro to Printmaking
- ART 3323 Intaglio
- ART 3413 Mixed Media I
- ART 3503 Drawing IV: Special Topics
- ART 4283 Drawing V: Drawing as Professional Practice
- ART 3990 Advanced Topics
- \*ART 4600 Studio Art
- ART 4900 Practicum in Art

**Area 3: Jewelry and Metalsmithing**

- ART 3463 Jewelry & Metalsmithing I
- ART 3723 Metalsmithing I
- ART 4403 Jewelry I
- ART 4533 Metalsmithing II
- ART 4563 Jewelry II
- ART 3990 Advanced Topics
- \*ART 4600 Studio Art
- ART 4900 Practicum in Art

**Area 4: Painting**

- ART 2233 Painting I: Observation and Technique
- ART 3603 Painting II: Surface and Technique
- ART 3623 Painting II: Figurative Painting
- ART 4153 Advanced Painting: Serial Development
- ART 3990 Advanced Topics
- \*ART 4600 Studio Art
- ART 4900 Practicum in Art

**Area 5: New Media**

- ART 3473 New Media I
- ART 3583 Video Art I
- ART 3663 Experimental Animation I
- ART 3743 Computer Animation I
- ART 4473 New Media II
- ART 4583 Video Art II
- ART 4663 Experimental Animation II
- ART 4743 Computer Animation II
- ART 3990 Advanced Topics
- \*ART 4600 Studio Art
- ART 4900 Practicum in Art

**Area 6: Sculpture**

- ART 2633 Beginning Sculpture
- ART 3633 Intermediate Sculpture
- ART 4313 Advanced Sculpture I
- ART 4613 Advanced Sculpture II
- ART 3990 Advanced Topics
- \*ART 4600 Studio Art
- ART 4900 Practicum in Art

Program: **Art** - continued  
 Major: **Art - Studio Art**  
 Degree: Bachelor of Fine Arts (B.F.A.)

Dept: Art  
 College: Fine Arts and Design  
 Major Code: 1006

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Studio Art Courses..... 15**

Choose five courses from the list below. Courses used to satisfy the Studio Area of Emphasis will not count toward this requirement.

- ART 2103 Drawing III: Contemporary Practices
- ART 2233 Painting I: Observation and Technique
- ART 2633 Beginning Sculpture
- ART 2703 Ceramics I
- ART 3463 Jewelry and Metalsmithing I
- ART 3473 New Media I

**Art History Electives..... 6**

- ART 3533 Architecture and Urban Space
- ART 3543 Art of the Americas
- ART 3563 European Art
- ART 3573 Islamic Art and Architecture
- ART 3733 History of American Studio Craft
- ART 4013 Global Approach to Socialist Art & Arch
- ART 4053 Native American Art
- ART 4143 History of Museum Practices
- ART 4223 West African Art
- ART 4233 Central African Art
- ART 4333 Mesoamerican Art
- ART 4363 Art by Women

ART 3513 Contemporary Art and Visual Culture will not count in this area.

**Art Major Elective ..... 15**

Any 3000/4000 level Art course not used in any area above.

**Capstone Course ..... 2**

- ART 4832 Senior Exhibition

Senior Exhibition must be taken during the final semester and must be taken concurrently with ART 4900 practicum in Art within area of emphasis. Students must pass a comprehensive faculty review prior to the exhibition of their work, which is required for the studio degree.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.75
2. Average in major courses..... 2.75
3. A grade of "C" or better must be earned in each course in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Art Education**  
 Major: **Art Education**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **Art**  
 College: **Fine Arts and Design**  
 Major Code: **1021**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 9

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Minimum  
Required Hours**

**Major Requirements**

**Art Education** ..... 50

**Required Core Courses** ..... 23

- ART 1023 Beginning Drawing I
- ART 1043 Beginning Drawing II: Figure and Anatomy
- ART 1063 2-D Fundamentals
- ART 1073 3-D Fundamentals
- ART 1083 Color
- ART 1153 Global Art and Visual Culture I
- ART 2012 Introduction to Art Education
- ART 2403 Global Art and Visual Culture II

**Required Art Education Courses**..... 27

- ART 2233 Painting I: Observation and Technique
- ART 2633 Beginning Sculpture
- ART 2703 Ceramics I
- ART 2803 Ceramics II OR
- ART 3603 Painting II: Surface and Technique OR
- ART 3623 Painting II: Figurative Painting
- ART 3113 Introduction to Printmaking OR
- ART 4133 Digital Printmaking
- ART 3463 Jewelry and Metalsmithing I
- ART 3513 Contemporary Art and Visual Culture
- ART 4343 Multicultural Art
- ^ART 4853 Secondary Art Education Methods

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- ART 3352 Digital Art Foundation
- ^ART 4843 Elementary Art Education Methods
- ^PTE 4172 Educational Assessment

**Minimum  
Required Hours**

- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Electives to bring total to**..... 124

Recommended Electives:

- ART 2103 Drawing III: Contemporary Practices
- ART 3013 Career Options in Art and Art Education
- ART 3413 Mixed Media I
- DES 2102 Graphic Design for Non-Majors
- Other approved ART courses

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Art History**  
 Major: **Art History**  
 Degree: **Bachelor of Arts (B.A.)**

Department: **Art**  
 College: **Fine Arts and Design**  
 Major Code: **1141**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Major Requirements**

**Art History ..... 75**

**Required Core Courses ..... 27**

- ART 1023 Beginning Drawing I
- ART 1063 2-D Fundamentals
- ART 1073 3-D Fundamentals
- ART 1083 Color
- ART 1153 Global Art and Visual Culture I
- ART 2403 Global Art and Visual Culture II
- ART 3513 Contemporary Art and Visual Culture
- ART 4383 Theories and Methods in Art History
- ART 4393 Senior Thesis

**Art History Courses ..... 30**

- Selected from the following..... 12
- ART 3533 Architecture and Urban Space
- ART 3543 Art of the Americas
- ART 3553 Art of Asia
- ART 3563 European Art
- ART 3573 Islamic Art and Architecture
- ART 4013 Global Approach to Socialist Art and Arch
- ART 4053 Native American Art
- ART 4143 History of Museum Practices
- ART 4223 West African Art
- ART 4233 Central African Art
- ART 4333 Mesoamerican Art
- ART 4343 Multicultural Art
- ART 4363 Art by Women
- Selected from the following..... 18
- DES 1533 Design in Global Culture
- DES 2213 History of Graphic Design II
- DES 2223 History of Design
- DES 3043 History of Interior Design I
- DES 3143 History of Interior Design II
- DES 3213 History of Graphic Design III
- ENG 3243 Women in Film
- ENG 4603 Major Figures in American Film
- ENG 4693 Films of Akira Kurosawa
- ENG 4873 Indigenous Cinema
- HUM 3903 History of Film I

**Minimum  
Required Hours**

- HUM 3913 History of Film II
- HUM 4083 Film Criticism
- MCOM 4623 Gays & Lesbians in Film/Media
- MCOM 3043 History of Photography to 1945
- MCOM 3063 History of Photo 1945-Present

**Liberal Arts Courses ..... 18**

- Required course ..... 3
- PHIL 3123 Aesthetics
- Selected from the following..... 15
- ENG 3193 World Literature I
- ENG 3213 World Literature II
- HIST 4153 History of Latin America
- HIST 4233 Maya, Aztec, and Inca Civilizations
- \*HIST 4613 Museum Management
- \*HIST 4623 Museum Theory and Practice
- HIST 4743 Modern China and Japan
- HUM 2333 Philosophy and Culture
- MCOM 3233 Gender, Race, Class and Media
- MCOM 3833 Masculinity in the Media
- PHIL 3143 Philosophy of Religion
- PHIL 3163 Contemporary Philosophy
- SOC 2413 Cultural Anthropology

Modern Language Requirement ..... 0-8

All students completing a B.A. in Art History shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to ..... 124**

- CONTINUED ON NEXT PAGE -

Program: **Art History** - continued  
 Major: **Art History**  
 Degree: Bachelor of Arts (B.A.)

Department: Art  
 College: Fine Arts and Design  
 Major Code: 1141

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Minimum Grade Requirements**

1. Average in all college course work and course work at  
 UCO. .... 2.00
2. Average in major courses ..... 2.75

**For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)**

**Accelerated BA/MA in Museum Studies**

**Required Liberal Arts courses for accelerated matriculation into the  
 Masters of Arts degree in Museum Studies:**

HIST 5523 Museum Management (fall only)  
 HIST 5623 Museum Theory and Practice (spring only)

\*Students in the Accelerated BA/MA program in Museum Studies must:

- Enroll in graduate level versions of these courses during their senior year.
- Maintain a 3.0 grade point average.
- Be accepted into the Masters of Arts in Museum Studies program
- Enroll in the Masters of Arts in Museum Studies program in the semester following graduation with their BA in Art History.

Program: **Arts Administration**  
 Major: **Arts Administration**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Dance**  
 College: **Fine Arts and Design**  
 Major Code: **1110**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Arts Administration ..... 78**

**Required courses ..... 40**

- ACCT 2113 Accounting I
- ACM 4113 Contemporary Music Contracts
- AESS 3513 Critical Thinking for Leaders **OR**
- \*MBA 5033 Creative Problem Solving
- AESS 4153 Organizational Dynamics **OR**
- \*MBA 5243 Leading People in Organizations
- AESS 4643 Grant and Proposal Writing
- DES 3523 Media & Marketing for Fine Arts and Design
- ENTR 3203 Entrepreneurs: Start-Up Now
- MCOM 2193 Principles of Public Relations
- MGMT 3103 Principles of Management **OR**
- ACM 3133 Music Business and Entrepreneurship
- DES 4713 Design Entrepreneurship
- MRKT 3013 Principles of Marketing
- MUS 4891 Music Research Capstone
- MUS 4950 Internship in Music (3 hrs) **OR**
- ACM 4950 Internship (3 hrs) **OR**
- ART 4950 Internship in Art (3 hrs) **OR**
- DANC 4950 Internship in Dance (3 hrs)

Students must complete two of the following courses that are not in their declared track:

- ART 2303 Art Appreciation
- DANC 1113 Dance Appreciation
- MUS 2123 Music Appreciation
- THRT 1313 Introduction to Theatre

**Area of Emphasis ..... 38**

Select one of the following area of emphasis. All courses must be completed from a single area.

**Area 1: Associates Degree**

Completed UCO A.A.S. degree or completed associates degree or comparable concentration in a creative arts discipline from a regionally accredited two- or four-year institution or international equivalent with the approval of the Department of Dance.

**Minimum  
Required Hours**

**Area 2: Art**

Required Foundation Courses ..... 24

- ART 1023 Beginning Drawing I
- ART 1043 Beginning Drawing II: Figure and Anatomy
- ART 1063 2-D Fundamentals
- ART 1073 3-D Fundamentals
- ART 1083 Color
- ART 1153 Global Art and Visual Culture I
- ART 2403 Global Art and Visual Culture II
- ART 3513 Contemporary Art and Visual Culture

ART Electives ..... 14

**Area 3: Dance**

Required Performance Courses..... 24

Students must complete 8 hours in each selected area of Modern, Ballet and Jazz Technique and Theory and must obtain instructor permission for each level. Levels can be repeated and count towards the 8 hours for each. Students must be proficient and complete Level II in at least one areas of dance coursework (modern, ballet, or jazz).

- DANC 2512 Modern Dance I
- DANC 2522 Modern Dance II
- DANC 2712 Jazz I
- DANC 2722 Jazz II
- DANC 2912 Ballet I
- DANC 2922 Ballet II
- DANC 3532 Modern Dance III
- DANC 3932 Ballet III
- DANC 4542 Modern Dance IV
- DANC 4712 Jazz III
- DANC 4722 Jazz IV
- DANC 4942 Ballet IV

Required Core Courses ..... 14

- DANC 2332 Movement Analysis in Dance
- DANC 2892 Dance Improvisation
- DANC 3101 Rhythm Analysis and Dance Forms
- DANC 3432 Dance Composition
- DANC 3572 Materials and Methods in Dance
- DANC 3442 History and Philosophy of Dance I
- DANC 3990 Advanced Topics in Dance (1 hour)
- DANC 4442 History and Philosophy of Dance II

Program: **Arts Administration** - continued  
Major: **Arts Administration**  
Degree: Bachelor of Arts (B.A.)

Dept: Dance  
College: Fine Arts and Design  
Major Code: 1110

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

Required School of Business courses for accelerated matriculation into the Masters of Business Administration:

- MBA 5033 Creative Problem Solving
- MBA 5243 Leading People in Organizations

\*Enroll in one course each semester during senior year.

- Must maintain a 3.0 grade point average.
- Be accepted into the Masters of Business Administration program.
- Enroll in the Masters of Business Administration program in the semester following graduation with their B.A. in Arts Administration.

**Area 4: Music**

Required Core Courses ..... 26

- MUS 1143 Music Theory I
- MUS 1183 Music Theory II
- MUS 2223 Music Theory III
- MUS 2593 Music Theory IV
- MUS 1151 Aural Skills I
- MUS 1161 Aural Skills II
- MUS 2151 Aural Skills III
- MUS 2161 Aural Skills IV
- MUS 3433 Music History Survey I
- MUS 3443 Music History Survey II
- MUS 3731 Music Technology
- MUS 4443 Arts Management

- Applied Study ..... 4
- Large Ensemble..... 3
- Chamber Music..... 1
- Piano ..... 4

**Area 5: Theatre Arts**

Required Core Courses ..... 21

- THRT 1523 Beginning Acting for Majors
- THRT 2303 Script Analysis
- THRT 3142 Stage Management
- THRT 3151 Stage Management Lab
- THRT 3343 Development of Drama
- THRT 4353 Theatre History I: Origins to Renaissance
- THRT 4363 Theatre History II: Renaissance-Contemporary
- THRT 4712 Directing and Collaboration
- THRT 4731 Directing and Collaboration Lab

Theatre Arts Electives ..... 17

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Average in all college course work and course work at UCO ..... 2.00
2. Average in major courses..... 2.00

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Audio Production**  
 Major: **Audio Production**  
 Degree: **Bachelor of Applied Technology (B.A.T.)**

Academy of Contemporary Music  
 College: **Fine Arts and Design**  
 Major Code: **1450**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
 Required Hours**

**Major Requirements**

**Audio Production ..... 57**

Completion of an A.A.S. in Contemporary Music Production or an equivalent degree is required for the B.A.T. in Audio Production.

**Required courses ..... 24**

ACM 3343 The Physics of Sound

ACM 3353 Advanced Pro Tools I

ACM 3433 Mix/Manage Live Sound

ACM 3513 Sound Design

ACM 4133 Advanced Pro Tools II

ACM 4143 Mixing for Sound Design

ACM 4223 Advanced Mixing and Mastering

ACM 4443 Writing Music for Film and TV

**Area of Study ..... 6**

Choose 6 hours of 3000/4000 level ACM courses.

**Technical-Occupational Specialty ..... 27**

Technical-occupational courses from an A.A.S. in Contemporary Music Production or an approved equivalent degree to include the following courses:

ACM 1252 Studio Recording I

ACM 1432 Studio Recording II

ACM 1522 DAW I

ACM 1622 DAW II

ACM 2212 Studio Recording III

ACM 2712 Studio Recording IV

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Average in all college course work ..... 2.00

2. Average in coursework at UCO ..... 2.25

3. Average in major courses..... 2.25

For other regulations pertaining to graduation, see

[Academic Degree Requirements](#).



Program: **Commercial Music**  
 Major: **Commercial Music**  
 Degree: Bachelor or Applied Technology (B.A.T.)

Academy of Contemporary Music  
 College: Fine Arts and Design  
 Major Code: 1460

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Commercial Music .....57**

Completion of an A.A.S. in Contemporary Music Business, Contemporary Music Performance, contemporary Music Production, or an equivalent degree is required for the B.A.T. in Commercial Music.

**Required courses..... 18**

- ACM 3133 Music Business and Entrepreneurship
- ACM 4113 Contemporary Music Contracts
- ACM 4353 Digital Media
- ACM 4553 Key Events in the Music Industry
- ACM 4603 Music Supervision
- ACM 4643 Music Copyright

**Area of Study..... 12**

Choose 12 hours of 3000/4000 level ACM courses.

**Technical-Occupational Specialty ..... 27**

Technical-occupational courses from an A.A.S. in Contemporary Music Business, Contemporary Music Performance, Contemporary Music Production, or an approved equivalent degree to include the following course:

- ACM 1212 Intro to the Music Industry

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Average in all college course work ..... 2.00
2. Average in coursework at UCO ..... 2.25
3. Average in major courses..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Contemporary Music Business**  
 Major: **Contemporary Music Business**  
 Degree: Associate in Applied Science (A.A.S.)

Academy of Contemporary Music  
 College: Fine Arts and Design  
 Major Code: 1430

**University Core (18 total hours)**

<b>Written and Oral Communication</b> ..... 6	<b>Electives</b> ..... 6
English Composition..... 3	Select from the following:
ENG 1113 English Composition	ART 1153 Global Art and Visual Culture I
Oral Communication..... 3	BIO 1114 General Biology
MCOM 1113 Fundamentals of Speech	FMCD 2213 Child Development
<b>American Historical and Political Analysis</b> ..... 6	HLTH 1112 Healthy Life Skills
American National Government ..... 3	LEAD 2213 Theories of Leadership
POL 1113 American National Government	MUS 2123 Music Appreciation
American History..... 3	NTRN 1483 Personal Nutrition
HIST 1483 History of US to 1877 <b>OR</b>	PHY 1114 General Physics I and Lab
HIST 1493 History of US since 1877	PSY 1103 General Psychology
	SFTY 2343 Safety Education

**Minimum  
Required Hours**

**Core Requirements**

**University Core** ..... 18  
 See Above

**Major Requirements**

**Contemporary Music Business** ..... 48

**Semester 1**

- ACM 1132 Music Culture
- ACM 1212 Introduction to the Music Industry
- ACM 1363 Introduction to Artist Development
- ACM 2843 Ethics and the Music Industry

**Semester 2**

- ACM 1412 Music and Media
- ACM 1512 Live Sound Fundamentals
- ACM 2383 Social Media Revolution
- ACM 2422 Cultural Studies
- ACM 2783 Business Management for Artists

**Semester 3**

- ACM 1422 Freelance World
- ACCT 2113 Accounting I
- ACM 2253 Introduction to Concert and Tour Management
- ACM 2263 Music Industry Marketing
- ACM 2543 Artist Management

**Semester 4**

- ACM 2453 Music Business Capstone
- ACM 2623 Record Label Operations I
- ACM 2663 Music Publishing
- ACM 2753 Applied New Media

**Total**..... 66

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO..... 2.50
2. A grade of "C" or better must be earned in each course in the major to count toward meeting degree requirements.

**Admission Requirements**

To be admissible as a Freshman, an individual must have (1) graduated from an accredited high school or have earned a GED and GED recipient's high school class must have graduated, (2) participated in the ACT or similar test, (3) meet the following performance criteria:

- 1) 16 composite ACT OR
- 2) 2.5 non-weighted, cumulative high school GPA OR
- 3) 2.5 non-weighted, cumulative GPA in the 15 unit high school core curriculum.

If an individual does not meet the above requirements, but are judged to have exceptional talent and promise, they may be admitted as a provisional student based on supplemental audition materials.

Those who are not U.S. citizens or resident aliens should contact the Office of International Services for specific admission information.

Program: **Contemporary Music Performance**  
 Major: **Contemporary Music Performance**  
 Degree: **Associate in Applied Science (A.A.S.)**

Academy of Contemporary Music  
 College: **Fine Arts and Design**  
 Major Code: **1400**

**University Core (18 total hours)**

**Written and Oral Communication..... 6**

English Composition..... 3  
 ENG 1113 English Composition

Oral Communication..... 3  
 MCOM 1113 Fundamentals of Speech

**American Historical and Political Analysis ..... 6**

American National Government ..... 3  
 POL 1113 American National Government

American History ..... 3  
 HIST 1483 History of US to 1877 **OR**  
 HIST 1493 History of US since 1877

**Electives ..... 6**

Select from the following:

ART 1153 Global Art and Visual Culture I  
 BIO 1114 General Biology  
 FMCD 2213 Child Development  
 HLTH 1112 Healthy Life Skills  
 LEAD 2213 Theories of Leadership  
 MUS 2123 Music Appreciation  
 NTRN 1483 Personal Nutrition  
 PHY 1114 General Physics I and Lab  
 PSY 1103 General Psychology  
 SFTY 2343 Safety Education

**Minimum  
 Required Hours**

**Core Requirements**

**University Core ..... 18**  
 See above

**Major Requirements**

**Contemporary Music Performance.....50**

**Required Courses..... 30**

ACM 1132 Music Culture  
 ACM 1142 Music Fundamentals  
 ACM 1152 Aural Skills  
 ACM 1171 Applied Instruction I (must be taken 2 times)  
 ACM 1212 Introduction to Music Industry  
 ACM 1222 Beginning Keyboard Skills  
 ACM 1412 Music and Media  
 ACM 1422 The Freelance World  
 ACM 2012 Songwriting I  
 ACM 2163 Music Business Fundamentals  
 ACM 2171 Applied Instruction II (must be taken 2 times)  
 ACM 2422 Cultural Studies  
 ACM 2512 Songwriting II  
 ACM 2783 Business Management for Artists

**Area of Emphasis Courses ..... 20**

**Area 1: Vocal or Instrumental Performance**

ACM 1512 Live Sound Fundamentals  
 ACM 2122 Repertoire Development I (must be taken 4 times)  
 ACM 2142 Live Performance I (must be taken 4 times)  
 ACM 2642 Beginning Production Techniques

**Area 2: Songwriting**

ACM 1722 Topline Writing  
 ACM 2272 Writing Music for Radio  
 ACM 2373 Music & Meaning  
 ACM 2551 Session Lab (must be taken 2 times)  
 ACM 2222 Music IT I OR  
 ACM 2442 Music IT II  
 ACM 2623 Record Label Operations I  
 ACM 2663 Music Publishing I  
 ACM 2843 Ethics in the Music Industry

**Total.....68**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO..... 2.50
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

**Admission Requirements**

To be admissible as a Freshman, an individual must have (1) graduated from an accredited high school or have earned a GED and GED recipient’s high school class must have graduated, (2) participated in the ACT or similar test, (3) meet the following performance criteria:

- 1) 16 composite ACT OR
- 2) 2.5 non-weighted, cumulative high school GPA OR
- 3) 2.5 non-weighted, cumulative GPA in the 15 unit high school core curriculum.

Admission to this program is selective. Applicants must complete the audition requirements and be selected for admission by the ACM selection committee. For specific details on audition materials please visit: [www.uco.edu/em/apply/acm-uco.asp](http://www.uco.edu/em/apply/acm-uco.asp).

If an individual does not meet the above requirements, but are judged to have exceptional talent and promise, they may be admitted as a provisional student based on supplemental audition materials.

Those who are not U.S. citizens or resident aliens should contact the Office of International Services for specific admission information.

Program: **Contemporary Music Production**  
 Major: **Contemporary Music Production**  
 Degree: **Associate in Applied Science (A.A.S.)**

Academy of Contemporary Music  
 College: **Fine Arts and Design**  
 Major Code: **1420**

**University Core (18 total hours)**

**Written and Oral Communication..... 6**

English Composition..... 3  
 ENG 1113 English Composition

Oral Communication..... 3  
 MCOM 1113 Fundamentals of Speech

**American Historical and Political Analysis ..... 6**

American National Government ..... 3  
 POL 1113 American National Government

American History ..... 3  
 HIST 1483 History of US to 1877 **OR**  
 HIST 1493 History of US since 1877

**Electives ..... 6**

Select from the following:

ART 1153 Global Art and Visual Culture I  
 BIO 1114 General Biology  
 FMCD 2213 Child Development  
 HLTH 1112 Healthy Life Skills  
 LEAD 2213 Theories of Leadership  
 MUS 2123 Music Appreciation  
 NTRN 1483 Personal Nutrition  
 PHY 1114 General Physics I and Lab  
 PSY 1103 General Psychology  
 SFTY 2343 Safety Education

**Minimum  
 Required Hours**

**Core Requirements**

**University Core ..... 18**  
 See Above

**Major Requirements**

**Contemporary Music Production..... 48**

**Semester 1**

ACM 1142 Music Fundamentals  
 ACM 1212 Introduction to the Music Industry  
 ACM 1222 Beginning Keyboard Skills  
 ACM 1252 Studio Recording I  
 ACM 1272 Sonic Fundamentals  
 ACM 1512 Live Sound Fundamentals  
 ACM 1522 DAW I

**Semester 2**

ACM 1132 Music Culture  
 ACM 1152 Aural Skills  
 ACM 1622 DAW II  
 ACM 1432 Studio Recording II  
 ACM 2163 Music Business Fundamentals  
 ACM 2222 Music IT I

**Semester 3**

ACM 1412 Music and Media  
 ACM 1422 The Freelance World  
 ACM 2012 Song Writing I  
 ACM 2212 Studio Recording III  
 ACM 2422 Cultural Studies  
 ACM 2442 Music IT II

**Semester 4**

ACM 2232 Post Production in Technology  
 ACM 2512 Song Writing II  
 ACM 2712 Studio Recording IV  
 ACM 2783 Business Management for Artists

**Total..... 66**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO..... 2.50
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

**Admission Requirements**

To be admissible as a Freshman, an individual must have (1) graduated from an accredited high school or have earned a GED and GED recipient's high school class must have graduated, (2) participated in the ACT or similar test, (3) meet the following performance criteria:

- 1) 16 composite ACT OR
- 2) 2.5 non-weighted, cumulative high school GPA OR
- 3) 2.5 non-weighted, cumulative GPA in the 15 unit high school core curriculum.

Admission to this program is selective. Applicants must complete the audition requirements and be selected for admission by the ACM selection committee. For specific details on audition materials please visit: [www.uco.edu/em/apply/acm-uco.asp](http://www.uco.edu/em/apply/acm-uco.asp).

If an individual does not meet the above requirements, but are judged to have exceptional talent and promise, they may be admitted as a provisional student based on supplemental audition materials.

Those who are not U.S. citizens or resident aliens should contact the Office of International Services for specific admission information.

Program: **Dance**  
 Major: **Dance**  
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: **Dance**  
 College: **Fine Arts and Design**  
 Major Code: **1101**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Major Requirements**

**Dance ..... 81**

1. Performance ..... 46

Students must complete 16 hours in each selected area of Modern and Ballet Technique and Theory and 14 hours in Jazz Technique and Theory and must obtain instructor permission for each level. Levels can be repeated and count towards the 46 hours. Students must be proficient and complete Level IV in at least two areas of dance coursework (modern, ballet, or jazz).

- DANC 2512 Modern Dance I
- DANC 2522 Modern Dance II
- DANC 2712 Jazz I
- DANC 2722 Jazz II
- DANC 2912 Ballet I
- DANC 2922 Ballet II
- DANC 3532 Modern Dance III
- DANC 3932 Ballet III
- DANC 4542 Modern Dance IV
- DANC 4712 Jazz III
- DANC 4722 Jazz IV
- DANC 4942 Ballet IV

2. Choreography..... 9

- DANC 2892 Dance Improvisation
- DANC 3101 Rhythm Analysis and Dance Forms
- DANC 3432 Dance Composition
- DANC 4433 Dance Composition II
- DANC 4900 Practicum in Dance (1 hour)

3. Movement Analysis ..... 5

- DANC 2332 Movement Analysis in Dance
- HLTH 3223 Applied Anatomy

4. Teaching Methods ..... 5

- DANC 2592 Creative Dance for Children
- DANC 3572 Materials and Methods in Dance
- DANC 4900 Practicum in Dance (1 hour required)

5. Other ..... 16

- DANC 2111 Performing Dance (by audition) **OR**
- DANC 4111 Performing Dance (by audition)
- DANC 3442 History and Philosophy of Dance I
- DANC 3990 Advanced Topics (4 hours required) \*

**Minimum  
Required Hours**

**Minimum  
Required Hours**

- DANC 4442 History and Philosophy of Dance II
- DANC 4893 Senior Project in Dance
- DANC 4960 Institute in Dance (1 hour)
- THRT 2133 Stage Lighting

\* Each of the four hours required must be in different areas and include Portfolio Development.

**Electives to bring total to..... 124**

Declaration of a dance major does not ensure enrollment into dance coursework. Only students who have successfully completed an audition will be eligible to enroll in dance coursework for dance majors. Once accepted into the program students must obtain permission before being allowed to move to the next level of advanced dance coursework. Each dance major will attend an annual interview where the portfolio and student progress will be reviewed. Permission to continue or withdraw from the program will be given at the annual interview.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO ..... 2.50
2. Average in major courses..... 2.75
3. A grade of "C" or better must be earned in each course in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Dance Education**  
 Major: **Dance Education**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **Dance**  
 College: **Fine Arts and Design**  
 Major Code: **1102**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course ..... 2
- Elective Life Skills ..... 3

	Minimum Required Hours
<b>Support Courses</b>	
<b>Support Courses</b> .....	<b>9</b>
MCOM 1113 Fundamentals of Speech	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

	Minimum Required Hours
^PTE 4172 Educational Assessment	
^PTE 4533 Contemporary Learning Sciences	
^#PTE 4811 Contemporary Issues	
^#PTE 4848 Internship/Student Teaching PK-12	
^#PTE 4853 Classroom Management and Instruction	

^ Admission to Teacher Education required  
 #To be taken the same semester

**Major Requirements**

**Dance Education** ..... 45

Dance Technique..... 17

Students must complete five hours at any level in each selected area (Modern, Ballet and Jazz) technique coursework and two hours at any level in Tap Dance coursework. Students must obtain instructor permission for each level of dance technique. Students must be proficient and complete Level III in one area (Modern, Ballet or Jazz).

Dance Theory..... 28

- DANC 2332 Movement Analysis in Dance
- DANC 2592 Creative Dance for Children
- DANC 2892 Dance Improvisation
- DANC 3101 Rhythm Analysis & Dance Forms
- DANC 3432 Dance Composition
- DANC 3442 History and Philosophy of Dance I
- DANC 4433 Dance Composition II
- DANC 4442 History and Philosophy of Dance II
- DANC 3990 Advanced Topics in Dance (4 hours required) \*
- HLTH 3223 Applied Anatomy
- THRT 2133 Stage Lighting
- DANC 4900 Practicum in Dance (Teaching) (1 hour)
- DANC 4900 Practicum in Dance (Choreography) (1 hour)

\* Each of the four hours required must be in different areas and include Portfolio Development.

**Electives to bring total to**..... 124

Recommended Electives:

- DANC 2111 Performing Dance (by audition) (4 hrs. max.)
- DANC 4111 Performing Dance (by audition) (4 hrs. max.)
- DANC 4960 Dance Institute (1-3 hours)
- DANC 4970 Dance Study Tour
- THRT 1513 Beginning Acting
- THRT 2173 Stage Costume
- PHED 4442 Motor Learning

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- TESL 4113 Teaching English as a Second Language
- ^DANC 3572 Materials and Methods in Dance

Program: **Design**  
 Major: **Design - Graphic Design**  
 Degree: **Bachelor of Fine Arts (B.F.A.)**

School: **Design**  
 College: **Fine Arts and Design**  
 Major Code: **1040**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Major Requirements**

**Design - Graphic Design ..... 80**

**Required Design Foundations Courses ..... 12**

- DES 1023 Design Foundations I
- DES 1033 Design Foundations II
- DES 1043 Design Foundations III
- DES 1053 Design Foundations IV

**Required Graphic Design Courses ..... 48**

- DES 1213 History of Graphic Design I
- DES 2153 Illustration I
- DES 2163 Typography
- DES 2213 History of Graphic Design II
- DES 3133 Computer Graphics I
- DES 3173 Graphic Design I
- DES 3213 History of Graphic Design III
- \* DES 3293 Graphic Design II
- DES 3343 Package Design
- DES 3443 Advertising Design
- DES 4423 Information Graphics
- DES 4513 Computer Graphics II
- DES 4523 Computer Graphics III
- DES 4633 Computer Graphics IV
- DES 4652 PrePress Production
- DES 4863 Graphic Design Practice
- DES 4950 Internship (1 hour)

\* To enroll in DES 3293 Graphic Design II and continue in the Graphic Design program, students must pass a progress review with the Design faculty.

**Professional Preparation Courses ..... 18**

Select at least 18 hours from the following:

- DES 3633 Portfolio Development
- DES 3853 Illustration II
- DES 4353 Illustration III
- DES 4363 Sequential Illustration OR
- DES 3263 Character Design
- DES 4373 Environmental Illustration
- DES 4733 Advanced Portfolio Development

**Minimum  
Required Hours**

**Minimum  
Required Hours**

- DES 4743 Advanced Letterpress
- DES 4753 Ink Tank
- DES 4763 ClockTower Studio

**Design Electives ..... 2**

- DES 3031 Digital Illustration
- DES 3511 Introduction to Letterpress
- DES 3721 Bookmaking & Prototyping
- DES 3980 Design Apprenticeship (1 hour)
- DES 3990 Advanced Topics in Design (1 hour)
- DES 4571 History of Illustration
- DES 4581 History of Typography
- DES 4713 Design Entrepreneurship
- DES 4721 Advanced Bookmaking
- DES 4970 Study Tour in Design (1 hour)

**Electives to bring total to ..... 124**

Students are required to complete DES 4950 Internship (1 hour) during the Fall or Spring semester of their senior year or following their participation in senior show. This timeline requirement is made to best position a student to be hired immediately following graduation.

**Minimum Grade Requirements**

1. **Average in all college course work and course work at UCO. .... 2.75**
2. **Average in major courses ..... 2.75**
3. **A grade of "C" or better must be earned in each course in the major to count toward meeting degree requirements.**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Design**  
 Major: **Design - Interior Design**  
 Degree: **Bachelor of Fine Arts (B.F.A.)**

School: **Design**  
 College: **Fine Arts and Design**  
 Major Code: **1041**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

Elective Life Skills..... 3

**Major Requirements**

**Design - Interior Design..... 79**

**Required Design Foundations Courses ..... 12**

DES 1023 Design Foundations I

DES 1033 Design Foundations II

DES 1043 Design Foundations III

DES 1053 Design Foundations IV

**Required Interior Design Courses..... 55**

DES 1121 Introduction to Interior Design

DES 1412 Fundamentals of Code Compliance

DES 2323 Interior Design Studio I

DES 2333 Visualization I

DES 2343 Materials and Textiles

DES 2623 Interior Design Studio II

DES 2633 Visualization II

DES 2713 Furniture Design

DES 3043 History of Interior Design I

DES 3143 History of Interior Design II

\* DES 3273 Interior Design Studio III

DES 3283 Visualization III

DES 3333 Sustainable Design

DES 3433 Interior Design Studio IV

DES 3813 Interior Design Research

DES 4143 History of Interior Design III

DES 4773 Interior Design Thesis Project

DES 4833 Interior Design Portfolio Development

DES 4873 Interior Design Practice

DES 4950 Internship (1 hour)

\* To enroll in DES 3273 Interior Design Studio III and continue in the Interior Design program, students must pass a progress review with the Design faculty.

**Design Electives..... 12**

Recommended courses

DES 1533 Design in Global Cultures

DES 3451 Design in Oklahoma

DES 3541 Interior Design through Literature

DES 3551 Interior Design through Film

DES 3623 Historic Preservation

DES 3713 Competition Studio

**Minimum Required Hours**

DES 3990 Advanced Topics in Design (1 hour)

DES 4783 Charles Evans Studio

**Electives to bring total to ..... 124**

**Other Requirements for the B.F.A. Degree**

Portfolio review required for continuation in Interior Design during the spring semester of the second year as an Interior Design student.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.75
2. Average in major courses..... 2.75
3. A grade of "C" or better must be earned in each course in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Music**  
 Major: **Music**  
 Degree: Bachelor of Arts (B.A.)

School: Music  
 College: Fine Arts and Design  
 Major Code: 1090

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

- Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course ..... 2
- Elective Life Skills ..... 3

**Major Requirements**

**Music** ..... 62

- MUS 1120 Recital Attendance (must be taken at least 4 times)

**Global Music and Culture**..... 3

Selected from the following:

- MUS 2243 World Music
- MUS 2253 Music in Film
- MUS 2423 Native American Music
- MUS 2443 History of Video Game Music
- MUS 2483 History of Rock and Roll
- MUS 2633 Jazz History
- ACM 2843 Ethics and the Music Industry

**Applied Instruction**..... 6

- MPER or ACM Applied Instruction

**Ensemble**..... 8

Enrollment required every fulltime semester with at least 4 credit hours from the following ensembles:  
 (University Choir, Cantilena, Concert Chorale, University Singers, Chamber Orchestra, UCO Symphony Orchestra, Wind Symphony, Symphonic Band, Marching Band, Jazz Ensemble, Opera Workshop, Opera Performance, Musical Theatre Performance, Piano Ensemble, Guitar Ensemble, ACM Performance Groups)

**Capstone**..... 1

- ACM 3221 Performance Showcase I **OR**
- MUS 3811 Junior Recital **OR**
- MUS 4891 Music Research Capstone

**Area of Study** ..... 28-30

Choose one area of study:

**Area 1: Classical Emphasis** ..... 30

- Theory Sequence.....16
- MUS 1143 Music Theory I
- MUS 1183 Music Theory II
- MUS 2223 Music Theory III
- MUS 2593 Music Theory IV
- MUS 1151 Aural Skills I
- MUS 1161 Aural Skills II
- MUS 2151 Aural Skills III
- MUS 2161 Aural Skills IV

Piano/Keyboard Sequence .....4

- MPER 2731 Class Piano I
- MPER 2831 Class Piano II
- MPER 2931 Class Piano III
- MPER 2941 Class Piano IV

Music History Sequence .....9

- MUS 3433 Music History Survey I
- MUS 3443 Music History Survey II
- ACM 4553 Key Events in the Music Industry

Music Technology.....1

- MUS 3731 Music Technology

**Area 2: Musical Theatre Emphasis** ..... 29

Theory Sequence.....15

- MUS 1714 Music Theory Musical Theatre I
- MUS 1724 Music Theory Musical Theatre II
- MUS 3552 Vocal Sight-Singing
- ACM 2012 Songwriting I
- ACM 3233 Songwriting and Demo Building

Piano/Keyboard Sequence .....4

- MPER 2731 Class Piano I
- MPER 2831 Class Piano II
- MPER 2931 Class Piano III
- MPER 2941 Class Piano IV

Music History Sequence .....9

- MUS 2473 History of Music Theatre
- MUS 2673 Music History for Musical Theatre
- ACM 4553 Key Events in the Music Industry

Music Technology.....1

- MUS 3731 Music Technology

**Area 3: Contemporary Emphasis** ..... 28

Theory Sequence.....14

- ACM 1142 Music Fundamentals
- ACM 1152 Aural Skills
- ACM 2012 Songwriting I
- ACM 2512 Songwriting II
- ACM 3123 Charting, Transcription, Arranging
- ACM 3233 Songwriting and Demo Building

Program: **Music** - continued  
Major: **Music**  
Degree: Bachelor of Arts (B.A.)

School: Music  
College: Fine Arts and Design  
Major Code: 1090

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

Piano/Keyboard Sequence .....	5
ACM 1222 Beginning Keyboard Skills	
MPER 2831 Class Piano II	
MPER 2931 Class Piano III	
MPER 2941 Class Piano IV	
Music History Sequence .....	7
ACM 1132 Music Culture	
ACM 2422 Cultural Studies	
ACM 4553 Key Events in the Music Industry	
Music Technology.....	2
ACM 2642 Beginning Production Techniques	

**Guided Electives..... 14-16**

Choose from MUS, MUED, MPER, or ACM (3000/4000 level) to bring total in the major to 62 hours.

**Electives to bring total to..... 124**

**Other Requirements for the B.A. Degree**

Before students can be accepted into the B.A. degree, they must demonstrate, through audition, a repertory and technical proficiency sufficient to reasonably expect degree completion.

All students are expected to enroll in the appropriate Piano/Keyboard sequence during the first four semesters of study. A grade of "C" or better in each course demonstrates proficiency at that level. Students capable of playing the piano at an intermediate or higher level may take a Piano Placement Examination prior to their first enrollment to determine their eligibility to enroll in an appropriate level of Applied Piano as an alternative to the required Piano/Keyboard sequence.

Students in applied music progress according to stated repertoire commensurate with the level of study and as demonstrated in a juried performance. Access to upper division 3000 and 4000 level study and to the junior level recital is authorized by the division faculty upon completion of a juried performance at the preceding level with a grade of B or higher. Students enrolled in Junior Recital (MPER 3811) must pass a pre-recital jury at least two weeks prior to the recital. Each performance area will determine what literature is appropriate for junior level recitals.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO, ..... 2.00
2. A grade of C or better must be earned in all major applied courses.
3. A grade of C or better must be earned in all other courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Music**  
 Major: **Music - Instrumental Performance**  
 Degree: **Bachelor of Music (B.M.)**

School: **Music**  
 College: **Fine Arts and Design**  
 Major Code: **1060**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

**Major Requirements**

**Music - Instrumental Performance** ..... 80

**Departmental Requirements**..... 4

MUS 1120 Recital Attendance (must be taken six times)

MUS 3731 Music Technology

MUS 4443 Arts Management **OR**

MUS 4333 Music Leadership & Advocacy

**Music Theory**..... 16

MUS 1143 Music Theory I

MUS 1183 Music Theory II

MUS 2223 Music Theory III

MUS 2593 Music Theory IV

MUS 1151 Aural Skills I

MUS 1161 Aural Skills II

MUS 2151 Aural Skills III

MUS 2161 Aural Skills IV

**Music History** ..... 6

MUS 3433 Music History Survey I

MUS 3443 Music History Survey II

**Other Requirements** ..... 2

MUS 3102 Principles of Conducting

**Applied Lessons in Primary Instrument**..... 16

**Recital**..... 3

MPER 3811 Junior Recital (Must be concurrently enrolled in 2 hours of MPER 3020 Applied Music)

MPER 4812 Senior Recital (Must be concurrently enrolled in 2 hours of MPER 4000 Applied Music)

**Area of Study** ..... 33

Choose one area of study

Area 1: Piano

Pedagogy.....6

MUS 3782 Piano Pedagogy I

MUS 3982 Piano Pedagogy II

MPER 3020 Applied Piano Pedagogy (2 hrs)

Literature.....6

MUS 3453 Piano Literature I

MUS 3473 Piano Literature II

Minimum  
Required Hours

Minimum  
Required Hours

Other Courses.....5

MPER 1121 Keyboard Sight Reading

MPER 1521 Collaborative Piano I OR

MPER 1000 Applied Collaborative Piano

MPER 2521 Collaborative Piano II OR

MPER 2000 Applied Collaborative Piano

MPER 2971 Keyboard Functional Skills

MPER 4521 Collaborative Piano III OR

MPER 4000 Applied Collaborative Piano

Major Ensemble .....1

(University Choir, Band, Jazz Band, Orchestra, Music Theatre or Opera Production)

Piano Ensemble .....2

MPER 2781 Piano Ensemble (taken twice)

Chamber Music..... 1

Chosen from existing courses in chamber music

Ensemble Elective.....1

Chosen from Major Ensemble, Piano Ensemble, or Chamber Music

Music Electives..... 11

Any MUS or MUED 3000/4000 level music courses.

Area 2: Woodwind, Brass, Percussion, Strings

Pedagogy.....2

Choose one from the following:

MUS 4672 Wind & Percussion Pedagogy

MUS 4622 String Pedagogy

MPER 4000 Applied Pedagogy

Literature.....2

Choose one from the following:

MUS 3032 Woodwind Literature

MUS 3042 Brass Literature

MUS 3052 Percussion Literature

MUS 3062 String Literature

MPER 3020 Applied Literature

Program: **Music** - continued  
 Major: **Music - Instrumental Performance**  
 Degree: **Bachelor of Music (B.M.)**

School: Music  
 College: Fine Arts and Design  
 Major Code: 1060

**Minimum  
 Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

^Piano.....	4
MPER 2731 Class Piano I	
MPER 2831 Class Piano II	
MPER 2931 Class Piano III	
MPER 2941 Class Piano IV	
Major Ensemble .....	8
(Marching Band, Symphonic Band, Wind Symphony, Symphonic Orchestra, Guitar Ensemble)	
Chamber Ensemble .....	8
(For string players, Chamber Orchestra may substitute upon permission of division head)	
Music Electives .....	9
Any MUS or MUED 3000/4000 level music courses.	

**Electives to bring total to..... 124**

**Other Requirements for the B.M. Degree**

Before students can be accepted into the B.M. Degree, they must demonstrate, through audition, a repertory and technical proficiency sufficient to demonstrate a reasonable expectation for completion of the degree. Details about the audition may be found on the School of Music website or through contacting School of Music staff.

Students choosing Area 1: Piano can elect to enroll in Piano Ensemble (MPER 2781) for two semesters (two credit hour total) to fulfill a part of the Major Ensemble degree requirement.

All students choosing Area 2: Woodwind, Brass, Percussion, Strings must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study. The grade of C in each course demonstrates proficiency at that level.

^ Students choosing Area 2: Woodwind, Brass, Percussion, Strings who possess proficiency equal to successful completion of Class Piano IV (MPER 2941) may take a Piano Placement Examination to determine their eligibility to enroll in an appropriate level of Applied Piano (MPER 1000, 2000, 3020, 4000) as an alternative to Class Piano. A minimum of four semester credits in piano is still required.

Students in applied music progress according to stated repertoire commensurate with the level of study and as demonstrated in a juried performance. Access to upper division 3000 and 4000 level study and to the junior level recital is authorized by the division faculty upon completion of a juried performance at the preceding level with a grade of B or higher. Continuation in the Bachelor of Music in performance program is granted at the end of the second semester of 2000 level study with a jury grade of B or higher. Any request for admission to the program coming later in the student's career will be by special audition.

Performance majors must complete at least 16 hours of applied study at least 8 of which must be upper division with at least 4 of those at the 4000 level.

Students enrolled in Junior Recital (MPER 3811) or Senior Recital (MPER 4812) must pass a pre-recital jury at least two weeks prior to the recital. Each performance area will determine what literature is appropriate for junior or senior level recitals.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.75
2. ^ A grade of "B" or better must be earned in all major applied courses.
3. A grade of "C" or better must be earned in all other courses in the major to count toward meeting degree requirements, except for applied major courses.

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Music**  
 Major: **Music - Jazz Performance**  
 Degree: **Bachelor of Music (B.M.)**

School: **Music**  
 College: **Fine Arts and Design**  
 Major Code: **1073**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

**Major Requirements**

**Music - Jazz Performance** ..... 82

**Departmental Requirements**..... 4

MUS 1120 Recital Attendance (must be taken six times)

MUS 3731 Music Technology

MUS 4443 Arts Management **OR**

MUS 4333 Music Leadership & Advocacy

**Music Theory**..... 20

MUS 1143 Music Theory I

MUS 1183 Music Theory II

MUS 2223 Music Theory III

MUS 2593 Music Theory IV

MUS 1151 Aural Skills I

MUS 1161 Aural Skills II

MUS 2151 Aural Skills III

MUS 2161 Aural Skills IV

MUS 3562 Jazz Theory & Analysis 1

MUS 3572 Jazz Theory & Analysis 2

**Music History** ..... 9

MUS 2633 Jazz History

MUS 3433 Music History Survey I

MUS 3443 Music History Survey II

**Other Requirements** ..... 10

MUS 3662 Jazz Arranging

MUS 4512 Applied Jazz Composition

MUS 4612 Jazz Pedagogy

MUS 2041 Applied Jazz Improvisation I (taken twice)

MUS 3041 Applied Jazz Improvisation II

MUS 4041 Applied Jazz Improvisation III

**Applied Lessons**..... 16

**^Piano** ..... 4

MPER 2731 Class Piano I

MPER 2831 Class Piano II

MPER 2000 Applied Jazz Piano (1 credit)

MPER 3020 Applied Jazz Piano (1 credit)

**Major Ensemble**..... 12

To be chosen from Jazz Ensemble, Marching Band, Symphonic Band, Percussion Ensemble, Wind Symphony,

Minimum  
Required Hours

Minimum  
Required Hours

Orchestra, Chamber Orchestra, or Concert Choir.  
 Jazz Ensemble must be taken 8 times minimum and any other listed ensembles must be taken 4 times minimum.

**Combo** ..... 4

MPER 4221 Jazz Combo (to be taken 4 times)

**Recital**..... 3

MPER 3811 Junior Recital (Must be concurrently enrolled in 2 hours of MPER 3020 Applied Music)

MPER 4812 Senior Recital (Must be concurrently enrolled in 2 hours of MPER 4000 Applied Music)

**^Music Electives for piano performance majors only**  
 Any MUS or MUED 3000/4000 level music course(s)

**Electives to bring total to..... 124**

**Other Requirements for the B.M. Degree**

Before students can be accepted into the B.M. Degree, they must demonstrate, through audition, a repertory and technical proficiency demonstrating a reasonable expectation for completion of the degree.

All students (except piano majors) must enroll in Class Piano (MPER 2731 and 2831) the first two semesters of study. The minimum grade of C in each course demonstrates proficiency at that level.

^ Students possessing proficiency equal to successful completion of Class Piano II (MPER 2831) may take a Piano Placement Examination to determine their eligibility to enroll in an appropriate level of Applied Piano or Applied Jazz Piano (MPER 1000, 2000, 3020, 4000) as an alternative to Class Piano I and II. A minimum of four semester credits in piano is still required except for piano majors, in which case this requirement would be redundant with Applied Lessons. Piano majors must select four credits of MUS or MUED 3000/4000 level electives as a substitute.

Students in applied music progress according to stated repertoire commensurate with the level of study and as demonstrated in a juried performance. Access to upper division 3000 and 4000 level study and to the junior level recital is authorized by the division faculty upon completion of a juried performance at the preceding level with a grade of B or higher. Continuation in the Bachelor of Music in Jazz Performance program is granted at the end of the second semester of 2000 level study with a jury grade of B or higher. Any request for admission to the program coming later in the student's career will be by special audition.

Program: **Music** - continued  
 Major: **Music - Jazz Performance**  
 Degree: Bachelor of Music (B.M.)

School: Music  
 College: Fine Arts and Design  
 Major Code: 1073

- CONTINUED FROM PREVIOUS PAGE -

Performance majors must complete at least 16 hours of applied study at least 8 of which must be upper division with at least 4 of those at the 4000 level.

Students enrolled in Junior Recital (MPER 3811) or Senior Recital (MPER 4812) must pass a pre-recital jury at least two weeks prior to the recital, and before the final day of the semester to drop courses. Each performance area will determine what literature is appropriate for junior or senior level recitals.

### Minimum Grade Requirements

1. Average in all college course work and course work at UCO. .... 2.75
2. ^ A grade of “B” or better must be earned in all major applied courses.
3. A grade of “C” or better must be earned in all other courses in the major to count toward meeting degree requirements, except for applied major courses.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Music**  
 Major: **Music - Musical Theatre**  
 Degree: **Bachelor of Music (B.M.)**

School: **Music**  
 College: **Fine Arts and Design**  
 Major Code: **1072**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Major Requirements**

**Music - Musical Theatre**.....**86**

**Required Music Courses** ..... **35**

MUS	1120	Recital Attendance (must be taken six times)
MUS	1714	Music Theory Musical Theatre I
MUS	1724	Music Theory Musical Theatre II
MUS	1742	Musical Theatre I
MUS	1752	Musical Theatre II
MUS	2473	History of Music Theatre
MUS	2673	Music History for Music Theatre
MUS	2742	Musical Theatre III
MUS	2752	Musical Theatre IV
MUS	3552	Vocal Sight Singing
MUS	3742	Musical Theatre V
MUS	3752	Musical Theatre VI
MUS	4213	Music Theatre Directing I
MUS	4742	Musical Theatre VII
MUS	4752	Musical Theatre VIII

**Required Musical Theatre Courses** ..... **23**

DANC	1621	Beginning Tap Dancing
DANC	2431	Beginning Ballet
DANC	2441	Beginning Jazz and Theatre Dance
DANC	2481	Intermediate Ballet
DANC	2491	Intermediate Jazz and Theatre Dance
DANC	2621	Intermediate Tap Dancing
MUS	2351	Musical Theatre Dance Styles I
MUS	2371	Musical Theatre Dance Styles II
MUS	3351	Musical Theatre Dance Styles III
MUS	4351	Musical Theatre Dance Styles IV
THRT	1311	Production and Performance: Scene Shop
THRT	1321	Production and Performance: Costume Shop
THRT	1331	Production and Performance: Electrics Shop
THRT	1341	Production and Performance: Sound Shop
THRT	1513	Beginning Acting
THRT	2123	Stage Make-up
THRT	2613	Intermediate Acting

\* **Applied Voice** ..... **16**

^ **Piano** ..... **4**

<b>Minimum Required Hours</b>	
<b>MPER 3131 Musical Theatre Performance (take 6 times)</b> .....	<b>6</b>
<b>Major Ensemble</b> .....	<b>2</b>
(University Choir, Band, Orchestra, Opera Performance, Opera workshop, Chorale, Cantilena, Cantare, Chamber Choir, Kaleidoscope Dance Company)	

**Minimum Hours required** ..... **135\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete two years of a second language in high school.

**Other Requirements for the B.M. Degree**

Before students can be accepted as candidates for the B.M. Degree, they must demonstrate through examination a repertory and technical proficiency sufficient to justify beginning the program.

The candidates must receive minimum grades of "B" in their applied major courses each semester they are enrolled. Failure to do so will necessitate a repetition of that semester's work.

Performance majors must complete at least 16 hours of applied study at least 8 of which must be upper division with at least 4 of those at the 4000 level.

All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

^ All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study. A grade of "C" in each course demonstrates proficiency at that level.

Only students capable of playing the piano at an intermediate or higher level may take a Piano Placement Examination prior to their first enrollment to determine their eligibility to enroll in an appropriate level of Applied Piano (MPER 1000, 2000, 3020, 4000).

Program: **Music** - continued  
 Major: **Music - Musical Theatre**  
 Degree: **Bachelor of Music (B.M.)**

School: **Music**  
 College: **Fine Arts and Design**  
 Major Code: **1072**

- CONTINUED FROM PREVIOUS PAGE -

Students in applied music progress according to stated repertoire commensurate with the level of study and as demonstrated in a juried performance. Access to upper division 3000 and 4000 level study and to the junior level recital is authorized by the division faculty upon completion of a juried performance at the preceding level with a grade of B or higher. Continuation in the Bachelor of Music in performance program is granted at the end of the second semester of 2000 level study with a jury grade of B or higher. Any request for admission to the program coming later in the student's career will be by special audition.

### **Minimum Grade Requirements**

1. **Average in all college course work and course work at UCO. .... 2.75**
2. **\* A grade of "B" or better must be earned in all major applied courses.**
3. **A grade of "C" or better must be earned in all other courses in the major to count toward meeting degree requirements, except for applied major courses.**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**



Program: **Music**  
 Major: **Music - Vocal Performance**  
 Degree: **Bachelor of Music (B.M.)**

School: **Music**  
 College: **Fine Arts and Design**  
 Major Code: **1068**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

**Major Requirements**

**Music - Vocal Performance** .....84-85

**Departmental Requirements**..... 1

- MUS 1120 Recital Attendance (must be taken six times)
- MUS 3731 Music Technology

**Music Theory**..... 19

- MUS 1113 Intro to Basic Music Skills
- MUS 1143 Music Theory I
- MUS 1183 Music Theory II
- MUS 2223 Music Theory III
- MUS 2593 Music Theory IV
- MUS 1151 Aural Skills I
- MUS 1161 Aural Skills II
- MUS 2151 Aural Skills III
- MUS 2161 Aural Skills IV

**Music History** ..... 6

- MUS 3433 Music History Survey I
- MUS 3443 Music History Survey II

**Applied Voice**..... 16

**^Piano** ..... 4

- MPER 2731 Class Piano I
- MPER 2831 Class Piano II
- MPER 2931 Class Piano III
- MPER 2941 Class Piano IV

**Area of Study** ..... 35-36

Choose one area of study

**Area 1: Classical Voice**..... 35

- Major Courses..... 14
- DANC 2431 Beginning Ballet **OR**
  - DANC 2541 Beginning Modern Dance
  - MUED 2121 Solfege Studies for Music Educators
  - MUS 3281 Singing Diction Seminar (must be taken two times)
  - MUS 3482 Voice Literature Seminar
  - MUS 3532 Voice Pedagogy
  - MUS 4443 Arts Management
  - MUS 4523 Acting for Music Theatre I

**Minimum Required Hours**

**Modern Foreign Language**..... 12\*

Required Courses .....8

- FRCH 1114 Elementary French I
- GERM 1114 Elementary German I

Select from the following.....4

- FRCH 1224 Elementary French II
- GERM 1224 Elementary German II

\*12 hours of foreign language are required, but 3-4 of this total fulfill the Core Curriculum requirement in Cultural and Language Analysis, see above. Two years of the same foreign language in high school fulfills Elementary I of either language.

Major Ensemble ..... 8

- MUS 2841 Opera Workshop (must be taken at least once)
- MPER 3511 Opera Performance (must be taken at least once)
- Choral Ensemble (6 hours)

Choral Ensembles are as follows: Concert Chorale, Cantilena, Chamber Choir, Cantare, University Choir, Edmond Community Chorale. Except for one semester designated for a senior recital, enrollment is required each semester for students enrolled in 12 or more hours.

**Area 2: Musical Theatre/Classical Mix**..... 36

Major Courses ..... 20

- DANC 1621 Beginning Tap
- DANC 2431 Beginning Ballet
- DANC 2441 Beginning Jazz
- MUED 2121 Solfege Studies for Music Educators
- MUS 1742 Musical Theatre I
- MUS 1752 Musical Theatre II
- MUS 3281 Singing Diction Seminar (must be taken 2 times)
- MUS 3482 Vocal Literature Seminar
- MUS 3532 Voice Pedagogy
- MUS 4523 Acting for Music Theatre I
- MUS 4543 Acting for Music Theatre II

Modern Foreign Language..... 8\*

Required Courses .....8

- FRCH 1114 Elementary French I
- GERM 1114 Elementary German I

\*8 hours of foreign language are required, but 3-4 of this total fulfill the Core Curriculum requirement in Cultural and Language Analysis, see

Program: **Music** - continued  
 Major: **Music - Vocal Performance**  
 Degree: Bachelor of Music (B.M.)

School: Music  
 College: Fine Arts and Design  
 Major Code: 1068

**Minimum  
Required Hours**

above. Two years of the same foreign language in high school fulfills Elementary I of either language.

- Major Ensemble ..... 8
  - MUS 2841 Opera Workshop (1 hour)
  - MPER 3511 Opera Performance (1 hour)
  - Choral Ensemble (6 hours)

Choral Ensembles are as follows: Concert Chorale, Cantilena, Chamber Choir, Cantare, University Choir, Edmond Community Chorale. Except for one semester designated for a senior recital, enrollment is required each semester for students enrolled in 12 or more hours.

- Recital..... 3**
  - MPER 3811 Junior Recital (Must be concurrently enrolled in 2 hours of MPER 3020 Applied Music)
  - MPER 4812 Senior Recital (Must be concurrently enrolled in 2 hours of MPER 4000 Applied Music)

**Electives to bring total to..... 124**

**Other Requirements for the B.M. Degree**

Before students can be accepted into the B.M. Degree, they must demonstrate, through audition, a repertory and technical proficiency sufficient to demonstrate a reasonable expectation for completion of the degree.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study. The grade of C in each course demonstrates proficiency at that level.

^ Students possessing proficiency equal to successful completion of Class Piano IV (MPER 2941) may take a Piano Placement Examination to determine their eligibility to enroll in an appropriate level of Applied Piano (MPER 1000, 2000, 3020, 4000) as an alternative to Class Piano. A minimum of four semester credits in piano is still required.

Students in applied music progress according to stated repertoire commensurate with the level of study and as demonstrated in a juried performance. Access to upper division 3000 and 4000 level study and to the junior level recital is authorized by the division faculty upon completion of a juried performance at the preceding level with a grade of B or higher. Continuation in the Bachelor of Music in performance program is granted at the end of the second semester of 2000 level study with a jury grade of B or higher. Any request for admission to the program coming later in the student's career will be by special audition.

Performance majors must complete at least 16 hours of applied study at least 8 of which must be upper division with at least 4 of those at the 4000 level.

Students enrolled in Junior Recital (MPER 3811) or Senior Recital (MPER 4812) must pass a pre-recital jury at least two weeks prior to the recital. Each performance area will determine what literature is appropriate for junior or senior level recitals.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.75
2. ^ A grade of "B" or better must be earned in all major applied courses.
3. A grade of "C" or better must be earned in all other courses in the major to count toward meeting degree requirements, except for applied major courses.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Music Education**  
 Major: **Music Education**  
 Degree: **Bachelor of Music in Education (B.M.Ed.)**

School: **Music**  
 College: **Fine Arts and Design**  
 Major Code: **1082**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 9

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**Music Education** .....64-67

**Departmental Requirements**..... 2

- MUS 1120 Recital Attendance (must be taken six times)
- MUED 2112 Introduction to Music Education

**Music Theory**..... 16

- MUS 1143 Music Theory I
- MUS 1183 Music Theory II
- MUS 2223 Music Theory III
- MUS 2593 Music Theory IV
- MUS 1151 Aural Skills I
- MUS 1161 Aural Skills II
- MUS 2151 Aural Skills III
- MUS 2161 Aural Skills IV

**Music History** ..... 6

- MUS 3433 Music History Survey I
- MUS 3443 Music History Survey II

**Area of Study**

Choose one area of study

**Area 1: Instrumental Music Education** ..... 20-21

Required Courses ..... 18

- MUED 3232 Brass Techniques
- MUED 3292 Woodwind Techniques
- MUED 3432 String Techniques
- MUED 3492 Percussion Techniques
- MUED 4843 Instrumental Music Methods
- MUS 3102 Principles of Conducting
- MUS 3162 Instrumentation and Arranging
- MUS 3402 Instrumental Conducting
- MUS 3731 Music Technology

Select from the following..... 2-3

- MUED 3132 Marching Band Techniques

**Minimum  
Required Hours**

- MUS 3342 Wind Ensemble & Orchestra Literature
- MUS 4242 Instrumental Ensemble Pedagogy
- MUS 4333 Music Leadership and Advocacy
- MUS 4622 String Pedagogy
- MPER 4000 Applied Pedagogy

**Area 2: Vocal Music Education**..... 18

- MUED 2121 Solfege Studies for Music Educators
- MUED 4853 Elementary Vocal Music Methods
- MUED 4873 Secondary Vocal Music Methods
- MUS 3281 Singing Diction Seminar (must be taken 2 times)
- MUS 3102 Principles of Conducting
- MUS 3532 Voice Pedagogy
- MUS 3731 Music Technology
- MUS 4451 Advanced Choral Techniques (must be taken 2 times)
- Applied Piano (2 hours)

**Major Instrument Applied Lessons**..... 10

**\*Piano**..... 4

- MPER 2731 Class Piano I
- MPER 2831 Class Piano II
- MPER 2931 Class Piano III
- MPER 2941 Class Piano IV

**Major Ensemble** ..... 7

(Marching Band, Symphonic Band, Wind Symphony, Orchestra, Concert Chorale, Cantalina, Chamber Singers, University Choir)

Enrollment in the specific ensemble will be guided by advisement as determined by the students' major instrument. For Wind and Percussion music education majors, at least 3 of these 7 hours must be Marching Band (MPER 2281). For Vocal music education majors, choir enrollment is required each semester for students enrolled in 12 or more hours except for one semester designated for a junior recital.

**Recital**..... 1

- MPER 3811 Junior Recital (Must be concurrently enrolled in 2 hours of MPER 3020 or 4000 Applied Music)

Program: **Music Education** - continued  
 Major: **Music Education**  
 Degree: **Bachelor of Music in Education (B.M.Ed.)**

School: Music  
 College: Fine Arts and Design  
 Major Code: 1082

**Minimum  
 Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Professional Education ..... 24**

PTE	1010	Introduction to Teacher Education
PTE	3023	Foundations of American Education/Clinical Exp
PTE	3163	Developmental Psychology
SPED	4123	Teaching Individuals with Disabilities
^PTE	4533	Contemporary Learning Sciences
^#PTE	4811	Contemporary Issues
^#PTE	4848	Internship/Student Teaching PK-12
^#PTE	4853	Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Minimum Hours required ..... 131\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete two years of a second language in high school.

**Other Requirements for the B.M.Ed. Degree**

Before students can be accepted into the B.M.Ed. Degree, they must demonstrate, through audition, a repertory and technical proficiency sufficient to demonstrate a reasonable expectation for completion of the degree.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study. The grade of C in each course demonstrates proficiency at that level.

\* Students possessing proficiency equal to successful completion of Class Piano IV (MPER 2941) may take a Piano Placement Examination to determine their eligibility to enroll in an appropriate level of Applied Piano (MPER 1000, 2000, 3020, 4000) as an alternative to Class Piano. A minimum of four semester credits in piano is still required.

Students in applied music progress according to stated repertoire commensurate with the level of study and as demonstrated in a juried performance. Access to upper division 3000 and 4000 level study and to the junior level recital is authorized by the division faculty upon completion of a juried performance at the preceding level with a grade of B or higher.

Students enrolled in Junior Recital (MPER 3811) must pass a pre-recital jury at least two weeks prior to the recital. Each performance area will determine what literature is appropriate for junior level recitals.

**Minimum Graduation Requirements**

1. Overall GPA in all course work..... 2.50
2. Average in course work at UCO..... 2.00
3. ^ A grade of “B” or better must be earned in all major applied courses.
4. A grade of “C” or better must be earned in courses in English Composition, Fundamentals of Speech, Professional Education, and all other courses in the major to count toward meeting degree requirements, except for applied major courses.
5. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Technology Application Studies**  
 Major: **Technology Application Studies**  
 Degree: **Bachelor of Applied Technology (B.A.T.)**

Dept: Theatre Arts  
 College: Fine Arts and Design  
 Major Code: 1130

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

Minimum  
Required Hours

**Major Requirements**

**Technology Application Studies**.....57

A completed Associate of Applied Science degree is required for Technology Application Studies.

**Required Courses**..... 15

ENG 4023 Technical Writing

MCOM 2153 Intro to Organizational Communication

MCOM 3093 Presentation Techniques

MCOM 3413 Conflict and Communication

MCOM 4403 Interviewing and Career Management

**Technical-Occupational Specialty** ..... 27

Technical-occupational courses from Applied Associates Degree

**Area Studies**..... 15

Students will choose 15 upper division hours (3000/4000) from a specific area of concentration. The specific courses must be approved in advance by the Coordinator of the Bachelor of Technology and the Chair of the Department housing the specific area of concentration. Students may choose from the following programs:

- American Indian Studies
- Asian Studies
- Contemporary Music
- Criminal Justice
- Creative Studies
- English
- Ethnic Studies
- Film Studies
- Geography
- Global Studies
- History
- Humanities
- Leadership
- Mass Communication
- Modern Language
- Philosophy
- Political Science
- Religious Studies
- Sociology
- Women’s Studies

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work..... 2.00
2. Average in course work at UCO ..... 2.25
3. Average in major courses ..... 2.25

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Theatre Arts**  
 Major: **Theatre Arts - Design and Technology**  
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: **Theatre Arts**  
 College: **Fine Arts and Design**  
 Major Code: **1123**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

• Elective Life Skills ..... 3

**Major Requirements**

**Theatre Arts - Design and Technology ..... 81**

**Required Core Courses ..... 27**

- THRT 1523 Beginning Acting for Majors
- THRT 1553 Foundations of Theatre Arts
- THRT 2303 Script Analysis
- THRT 3142 Stage Management
- THRT 3151 Stage Management Lab
- THRT 3343 Development of Drama
- THRT 4353 Theatre History I: Origins to Renaissance
- THRT 4363 Theatre History II: Renaissance-Contemporary
- THRT 4712 Directing and Collaboration
- THRT 4731 Directing and Collaboration Lab
- THRT 4950 Internship in Theatre Arts (3 hours)

**Theatre Arts Design and Technology Courses ..... 42**

- THRT 1361 Production Practicum-Tier 1
- THRT 2133 Stage Lighting
- THRT 2153 Stagecraft
- THRT 2163 Sound Technology for Theatre
- THRT 2173 Stage Costume
- THRT 2361 Production Practicum-Tier 2
- THRT 2743 Computer Drafting for Theatre
- THRT 2901 Portfolio Seminar
- \* THRT 3133 Set Design
- \* THRT 3362 Production Practicum-Tier 3
- \* THRT 3413 Period Styles 1
- \* THRT 3423 Costume Design
- \* THRT 3433 Period Styles 2
- \* THRT 3543 Lighting Design
- \* THRT 4313 Advanced Set Design **OR**
- \* THRT 4323 Advanced Lighting Design **OR**
- \* THRT 4333 Advanced Costume Design
- \* THRT 4873 Production Thesis
- \* THRT 4881 Exit Portfolio

\* Denotes upper-level design/technical courses

**Theatre Arts Required Electives..... 9**

- THRT 2123 Stage Make-Up
- THRT 3113 Technical Production
- THRT 3163 Dramatic Sound Design

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Theatre Arts Recommended Electives ..... 3**

Select from the following:

- THRT 2243 Scene Painting
- THRT 2373 Costume Construction
- THRT 3463 Production Practicum-Tier 4
- THRT 3733 Hand Drafting for Theatre

**Electives to bring total to ..... 124**

**Other Requirements for the B.F.A. Degree**

Declaration of a Design and Technology Major in Theatre Arts does not ensure acceptance into the BFA Theatre Arts - Design and Technology degree program.

Students must be accepted into the program through a portfolio review and an interview, which is called Progression. All students must successfully participate in Progression before enrollment in the upper-level design/technical courses (\*). Students who successfully complete the annual Progression will be allowed to advance into the BFA Design and Technology degree program. Upon being accepted into the BFA program, students must be advised before enrolling in BFA Design and Technology (\*) coursework. Students who do not successfully complete Progression will have one opportunity to retake during same spring semester. Students who do not successfully complete the retake will be advised to withdraw from the BFA Theatre Arts - Design and Technology program.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.50
2. Average in all Theatre Arts Design and Technology courses..... 2.75
3. A grade of "C" or better must be earned in all other courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Theatre Arts**  
 Major: **Theatre Arts - Performance**  
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: Theatre Arts  
 College: Fine Arts and Design  
 Major Code: 1122

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Theatre Arts - Performance ..... 82**

**Required Core Courses ..... 27**

- THRT 1523 Beginning Acting for Majors
- THRT 1553 Foundations of Theatre Arts
- THRT 2303 Script Analysis
- THRT 3142 Stage Management
- THRT 3151 Stage Management Lab
- THRT 3343 Development of Drama
- THRT 4353 Theatre History I: Origins to Renaissance
- THRT 4363 Theatre History II: Renaissance-Contemporary
- THRT 4712 Directing and Collaboration
- THRT 4731 Directing and Collaboration Lab
- THRT 4950 Internship in Theatre Arts (3 hours)

**Theatre Arts Acting Courses ..... 41**

- THRT 1001 Performance Lab (must be taken 4 times)
- THRT 1613 Voice and Movement 1
- THRT 2123 Stage Make-Up
- THRT 2233 Voice and Movement 2
- DANC 2431 Beginning Ballet
- THRT 2613 Intermediate Acting
- THRT 2643 Shakespeare in Performance
- THRT 3513 Voice, Speech, and Dialect
- THRT 3563 Audition Techniques
- THRT 3583 Improvisational Acting
- THRT 3633 Voice and Movement 3
- THRT 4623 Acting Styles 1
- THRT 4723 Acting Styles 2
- THRT 4863 Career Advancement/Recital

**Theatre Arts Required Electives..... 9**

- THRT 2133 Stage Lighting
- THRT 2153 Stagecraft
- THRT 2173 Stage Costume

**Theatre Arts Electives..... 5**

Selected from the following:

- THRT 2313 Stage Combat
- THRT 4513 Advanced Improvisation Acting
- THRT 4633 Acting on Camera

**Minimum  
Required Hours**

- THRT 4812 Irene Ryan Studio
- THRT 4910 Seminar in Theatre Arts
- THRT 4970 Study Tour

**Electives to bring total to ..... 124**

**Other Requirements for the B.F.A. Degree**

Declaration of a Theatre Arts - Performance major does not ensure acceptance into the BFA Theatre Arts - Performance degree program.

Students are accepted into the program through a audition and/or interview. Upon being accepted into the program, each Performance major must complete an annual Progression audition and interview. Students who successfully complete the Progression process will be allowed to advance in the BFA Theatre Arts - Performance degree program. Students who do not successfully complete the process will have one opportunity to retake the Progression. Students who do not successfully complete the retake will be advised to withdraw from the BFA Theatre Arts - Performance program. Performance majors are required to audition for all faculty-directed productions and must complete four credit hours of THRT 1001: Performance Lab in faculty-directed productions.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.50
2. Average in major courses..... 2.75

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Theatre/Communication Education**  
 Major: **Theatre/Communication Education**  
 Degree: **Bachelor of Fine Arts in Education (B.F.A.Ed.)**

Dept: Theatre Arts  
 College: Fine Arts and Design  
 Major Code: 1124

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 9

- ENG 1113 English Composition
- ENG 1213 English Composition and Research
- MCOM 1113 Fundamentals of Speech

**Major Requirements**

**Theatre/Communication Education**..... 49

**Required Courses**..... 41

- THRT 1523 Beginning Acting for Majors
- THRT 1553 Foundations of Theatre Arts
- THRT 2013 Elements of Communication I
- THRT 2123 Stage Make-Up
- THRT 2153 Stagecraft
- THRT 2173 Stage Costume
- THRT 2423 Argumentation and Debate
- THRT 3013 Elements of Communication II
- THRT 3142 Stage Management
- THRT 3151 Stage Management Lab
- THRT 3243 Coaching Competitive Speech/Drama
- THRT 3252 Coaching Competitive Debate
- THRT 4353 Theatre History I: Origins to Renaissance
- THRT 4363 Theatre History II: Renaissance-Contemporary
- THRT 4712 Directing and Collaboration
- THRT 4731 Directing and Collaboration Lab

**Guided Electives**..... 8

Selected from the following courses:

- THRT 1001 Performance Lab (may be taken up to 4 times)
- THRT 2113 Performance of Literature
- THRT 2133 Stage Lighting
- THRT 2163 Sound Technology for Theatre
- THRT 2233 Scene Painting
- THRT 2253 Stage Projection Technology
- THRT 2303 Script Analysis
- THRT 2313 Stage Combat
- THRT 2613 Intermediate Acting
- THRT 3343 Development of Drama
- THRT 3583 Improvisational Acting

**Minimum  
Required Hours**

- THRT 4513 Advanced Improvisational Acting
- THRT 4633 Acting on Camera

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- TESL 4232 Teaching Secondary English Language Learner OR
- IME 3312 Technology for Teachers
- ^THRT 4843 Methods of Teaching Speech/Drama/Debate
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see

[Academic Degree Requirements](#).



# College of Fine Arts and Design Minors

A minor is an optional component of a student’s degree (unless otherwise stated) that, upon graduation, will be reflected on the student’s transcript. A student may earn a minor or multiple minors in the same program, provided the minor differ at the major level. Minors may not be earned independently of a bachelor’s degree granted by the University of Central Oklahoma. Minors may not be earned as a part of an associate degree. Minors do not appear on diplomas.

## Minimum Requirements for Minors

Minimums for minors unless otherwise specified:

<b>Total Hours</b> .....	<b>18</b>
<b>Upper Division Hours (3/4000 level)</b> .....	<b>6</b>
<b>Residency Hours</b> .....	<b>6</b>
<b>GPA</b> .....	<b>2.00</b>

### Art

**Art**..... **21**

Minor Code: 1019

Required courses..... 15

- ART 1023 Beginning Drawing I
- ART 1043 Beginning Drawing II: Figure/Anatomy
- ART 1063 2-D Fundamentals
- ART 1073 3-D Fundamentals
- ART 1083 Color

Select from the following..... 6

- ART 3023 Ceramics: Basics and Beyond
- ART 3033 Jewelry for Non-Majors
- ART 3113 Introduction to Printmaking
- ART 3513 Contemporary Art and Visual Culture

**Art - Global Art and Visual Culture** ..... **18**

Minor Code: 1016

Required courses..... 6

- ART 1023 Beginning Drawing I **OR**
- ART 1013 Intro to Drawing for Non-Art Majors
- ART 3513 Contemporary Art and Visual Culture

Select from the following..... 12

- ART 1153 Global Art and Visual Culture I
- ART 2403 Global Art and Visual Culture II
- ART 3533 Architecture and Urban Space
- ART 3543 Art of the Americas
- ART 3573 Islamic Art and Architectue
- ART 4013 Global Approach to Socialist Art and Architecture
- ART 4053 Native American Art
- ART 4223 West African Art
- ART 4233 Central African Art
- ART 4363 Art by Women
- ART 4970 Art History Study Tour (2 hours)
- DES 1213 History of Graphic Design I
- DES 3043 History of Interior Design I

**Minimum GPA**..... **2.50**

### Arts Administration

**Arts Administration** ..... **18**

Minor Code: 1119

Required courses:..... 18

- ACM 2663 Music Publishing **OR**
- ACCT 2113 Accounting I
- ACM 2783 Business Management for Artists
- DES 3523 Print Media & Marketing for Fine Arts and Design
- DES 3533 Digital Media & Marking for Fine Arts and Design
- ACM 4013 Creating your Team
- DES 4713 Design Entrepreneurship **OR**
- ACM 3133 Music Business and Entrepreneurship

### Contemporary Music Business

**Contemporary Music Business** ..... **18**

Minor Code: 1439

Required courses:..... 12

- ACM 2163 Music Business Fundamentals
- ACM 2253 Introduction to Concert and Tour Management
- ACM 2623 Record Label Operations I
- ACM 2663 Music Publishing

Elective Courses..... 6

Selected from the following:

- ACM 3133 Music Business and Entrepreneurship
- ACM 3273 Survey of Music Business Nonfiction
- ACM 4013 Creating Your Team
- ACM 4023 Record Label Operations II
- ACM 4113 Contemporary Music Contracts
- ACM 4253 Applied Concert Promotion
- ACM 4353 Digital Media
- ACM 4553 Key Events in the Music Industry
- ACM 4603 Music Supervision
- ACM 4643 Music Copyright

Other approved courses

### Contemporary Music Performance

**Contemporary Music Performance** ..... **18-19**

Minor Code: 1409

Required courses:..... 12-13

- ACM 1171 Applied Instruction I
- ACM 1422 The Freelance World **OR**
- ACM 1212 Introduction to Music Industry
- ACM 2122 Repertoire Development I (must be taken 2 times)
- ACM 2142 Live Performance I (must be taken 2 times)
- ACM 2171 Applied Instruction II **OR**
- ACM 1512 Live Sound Fundamentals

Elective ACM (3/4000 level)..... 6

- ACM 3233 Songwriting & Demo Building
- ACM 4013 Creating Your Team
- ACM 3123 Charting, Transcription, & Arranging

# College of Fine Arts and Design Minors - continued

**Contemporary Music Performance - Songwriting ..... 18**

Minor Code: 1408

Required courses:..... 18

- ACM 1142 Music Fundamentals
- ACM 1722 Topline Writing
- ACM 2012 Songwriting I
- ACM 2222 Music IT I OR
- ACM 2442 Music IT II
- ACM 2512 Songwriting II
- ACM 2551 Session Lab (must take at least twice)
- ACM 3123 Charting, Transcription, Arranging
- ACM 3233 Songwriting and Demo Building

**Contemporary Music Production**

**Contemporary Music Production ..... 18**

Minor Code: 1429

Required courses:..... 18

- ACM 1252 Studio Recording I
- ACM 1432 Studio Recording II
- ACM 2212 Studio Recording III
- ACM 2712 Studio Recording IV
- ACM 1522 DAW I
- ACM 1622 DAW II
- ACM 3343 The Physics of Sound
- ACM 4223 Advanced Mixing and Mastering

**Contemporary Music Production - Post Production**

**Audio ..... 18**

Minor Code: 1428

Required courses:..... 18

- ACM 1522 DAW I
- ACM 1622 DAW II
- ACM 2232 Post Production in Technology
- ACM 3513 Sound Design
- ACM 4143 Mixing for Sound Design
- ACM 4443 Writing Music for Film and TV
- ACM 4603 Music Supervision

**Dance**

**Dance ..... 22**

Minor Code: 1109

Performance:..... 12

(4 hours in each area of Modern, Ballet and Jazz Technique & Theory; level can be repeated and count towards the 12 hours.)

- DANC 2431 Beginning Ballet
- DANC 2441 Beginning Jazz/Theatre Dance
- DANC 2451 Beginning Modern Dance
- DANC 2481 Intermediate Ballet
- DANC 2491 Intermediate Jazz/Theatre Dance
- DANC 2501 Intermediate Modern Dance
- DANC 2512 Modern Dance I
- DANC 2522 Modern Dance II
- DANC 2712 Jazz Dance I
- DANC 2722 Jazz Dance II
- DANC 2912 Ballet I
- DANC 2922 Ballet II
- DANC 3532 Modern Dance III
- DANC 3932 Ballet III

- DANC 4542 Modern Dance IV
- DANC 4712 Jazz Dance III
- DANC 4722 Jazz Dance IV
- DANC 4942 Ballet IV

Required courses:..... 10

- DANC 2892 Dance Improvisation
- DANC 3432 Dance Composition
- DANC 3442 History and Philosophy in Dance I
- DANC 3572 Materials and Methods in Dance
- DANC 3990 Advanced Topics (2 hours required)

**Minimum GPA in all course work and course work at UCO .... 2.50**

**A grade of “C” or better must be earned in each course in the minor to count toward meeting requirements for this minor.**

**Design**

**Design - Design History ..... 18**

Minor Code: 1057

Select from the following courses..... 18

- DES 1213 History of Graphic Design I
- DES 2213 History of Graphic Design II
- DES 2223 History of Design
- DES 3043 History of Interior Design I
- DES 3143 History of Interior Design II
- DES 3213 History of Graphic Design III
- DES 3623 Historic Preservation
- DES 4143 History of Interior Design III
- DES 4571 History of Illustration
- DES 4581 History of Typography

**Minimum GPA..... 2.50**

**Design - Graphic Design ..... 24**

Minor Code: 1059

Required courses:..... 24

- DES 1023 Design Foundations I
- DES 1033 Design Foundations II
- DES 1043 Design Foundations III
- DES 1053 Design Foundations IV
- DES 2163 Typography
- DES 3133 Computer Graphics I **OR**
- DES 3523 Print Media and Marketing for Fine Arts & Design
- DES 3173 Graphic Design I
- DES 3213 History of Graphic Design III **OR**
- DES 1533 Design in Global Cultures

**Minimum GPA..... 2.50**

**Design - Illustration ..... 24**

Minor Code: 1058

Required courses:..... 24

- DES 1023 Design Foundations I
- DES 1033 Design Foundations II
- DES 1043 Design Foundations III
- DES 1053 Design Foundations IV
- DES 2153 Illustration I
- DES 3853 Illustration II
- DES 4353 Illustration III
- DES 3263 Character Design **OR**
- DES 4363 Sequential Illustration

# College of Fine Arts and Design Minors - continued

## Music

**Music** ..... 24

Minor Code: 1079

- Theory of Music and Harmony ..... 8
- Conducting (Instrumental or Choral)..... 2
- History/Lit. of Music ..... 3
- Applied Area ..... 4
- Piano ..... 3
- Major Ensemble ..... 4

**Minimum GPA**..... 2.50

**Music - Collaborative Piano**..... 18

Minor Code: 1074

- Required courses: ..... 6
  - MPER 1121 Keyboard Sight Reading
  - MPER 1521 Collaborative Piano I
  - MPER 2521 Collaborative Piano II
  - MPER 2781 Piano Ensemble
  - MPER 2971 Keyboard Functional Skills
  - MPER 4521 Collaborative Piano III
- Applied Collaborative Piano ..... 4
- Chamber Music ..... 1
  - Chosen from MPER courses in chamber music
- Additional Collaborative Piano courses..... 7
  - MPER 4821 Collaborative Piano Recital
  - MUS 3281 Singing Diction Seminar(must be taken two times)
  - MUS 4722 Collaborative Piano Literature  
(must be taken 2 times)

**Minimum GPA**..... 2.75

A minimum grade of "C" must be earned in each course in the minor to meet degree requirements.

**Music - Composition** ..... 18

Minor Code: 1075

- Required courses: ..... 18
  - MPER 3020 Applied Music (Composition)(8 hours)
  - MPER 3811 Junior Recital (must consist entirely of works by the student.)
  - MUS 3162 Instrumentation and Arranging
  - MUS 3232 Structural Analysis
  - MUS 3322 Music Composition \*
  - MUS 3362 Tonal Counterpoint
  - MUS 3731 Music Technology

\*It is strongly recommended that MUS 3322 be taken as early as possible.

**Minimum GPA**..... 2.75

**Music - Historical Performance**.....19-20

Minor Code: 1099

- Required course: ..... 3
  - MUS 4793 History of Performance
- Elective Music courses ..... 8-9
  - Selected from the following:
    - MUS 4313 Music Research & Methods
    - MUS 4373 Classical Era Music

- MUS 4383 Baroque Music
- MUS 4763 History of Instruments
- MUS 4930 Individual Study in Music (2-3 hours)

Applied Historical Instrument..... 4

- MPER 4000 Applied Music (2 semesters)

Ensemble..... 4

\*MPER 4481 Collegium Musicum (4 semesters)\*

\*Upon demonstrated need 1 hour of MPER 3000 level Chamber Music may be substituted with prior approval by the advisor.

**Music - Jazz Studies**.....24

Minor Code: 1078

Required courses..... 17

- MUS 1143 Music Theory I
- MUS 1151 Aural Skills I
- MUS 1183 Music Theory II
- MUS 1161 Aural Skills II
- MUS 2633 Jazz History
- MPER 3341 Jazz Ensemble (must take four times)
- MUS 3562 Jazz Theory & Analysis I

Applied Music..... 7

- MPER 1000 Applied Jazz Piano (1 hour)
- MPER 2000 Applied Jazz Improvisation (1 hour)
- MPER 3020 Applied Jazz Improvisation (1 hour)
- MPER Applied Instrumental/Voice (4 hours)

**Minimum GPA**..... 2.75

A minimum grade of "C" must be earned in each course in the minor to meet degree requirements.

**Music - Piano**..... 23

Minor Code: 1076

Required course: ..... 1

- MPER 1121 Keyboard Sight Reading

Applied Piano..... 8

Music Theory ..... 8

- MUS 1143 Music Theory I
- MUS 1183 Music Theory II
- MUS 1151 Aural Skills I
- MUS 1161 Aural Skills II

Music History..... 3

Ensemble Electives ..... 2

Select from the following:

- Major Ensemble
- MPER 2781 Piano Ensemble
- Chamber Music

Recital ..... 1

- MPER 3811 Junior Recital (Must be concurrently enrolled in 2 hours of MPER 3020 Applied Music)

**Minimum GPA**..... 2.75

A minimum grade of "C" must be earned in each course in the minor to meet degree requirements.

# College of Fine Arts and Design Minors - continued

**Music - Piano Pedagogy..... 24**

Minor Code: 1077

Required courses:..... 15

- MUS 3453 Piano Literature I
- MUS 3473 Piano Literature II
- MUS 3782 Piano Pedagogy I
- MUS 3982 Piano Pedagogy II
- MUS 4782 Piano Pedagogy III
- MUS 4832 Piano Pedagogy IV
- MUS 4841 Piano Pedagogy Senior Project

Applied Piano Pedagogy ..... 4

Electives in Piano Pedagogy ..... 5

**Minimum GPA..... 2.75**

A minimum grade of "C" must be earned in each course in the minor to meet degree requirements.

## Theatre Arts

**Theatre Arts..... 18**

Minor Code: 1139

Required courses..... 9

- THRT 1313 Introduction to Theatre
- THRT 1513 Beginning Acting **OR**
- THRT 1523 Beginning Acting for Majors
- THRT 2153 Stagecraft

Theatre Arts Elective..... 9

**Minimum GPA..... 2.50**

# *College of Liberal Arts*

*Academic Degree Programs,  
Minors and  
Interdisciplinary Minors*

Program: **Applied Liberal Arts**  
 Major: **Applied Liberal Arts**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Humanities and Philosophy**  
 College: **Liberal Arts**  
 Major Code: **5080**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis ..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Major Requirements**

**Applied Liberal Arts**.....**69-77**

**Social and Behavioral Sciences**..... 12

- Economics..... 3
- Elective 3000 or 4000 level courses in at least three of the following areas..... 9
  - Geography
  - Political Science
  - Psychology
  - Sociology

**Cultural Foundations**..... 9

- Philosophy ..... 3
- Elective 3000 or 4000 level courses in at least two of the following areas..... 6
  - A. English
  - B. History
  - C. Humanities

**Communication Skills**..... 9

- Select one course from group A and two from group B:
- A. CSDY 3573 Fundamentals of Creative Writing I **OR**
  - \*ENG 4023 Technical Writing **OR**
  - ENG 4473 Advanced Composition
- B. MCOM 2053 Intro to Human Communication **OR**
  - MCOM 2153 Intro to Organizational Communication **OR**
  - MCOM 2193 Principles of Public Relations **OR**
  - MCOM 2623 Communication Theory **OR**
  - MCOM 3093 Presentation Techniques **OR**
  - MCOM 3413 Conflict and Communication

\* English courses completed in fulfillment for the Communication Skills area cannot be used to satisfy the Cultural Foundations requirement.

**Foreign Language** ..... 0-8

Completion of a second semester of a foreign language (1224) or an intermediate level foreign language.

**Sciences** ..... 3

- BIO 4103 History and Science of Nature **OR**
- CHEM 1003 Chemistry and Society

**Career Preparation** ..... 12

- ACCT 2113 Accounting I..... 3
- Select one of the following: ..... 3
  - GEO 4113 Geographical Information Systems
  - LEAD 2213 Theories of Leadership
  - POL 2013 Political Science Statistics

Select from the following: ..... 6

- ACCT 2133 Accounting II
- BCOM 3143 Business Communication
- ECON 2173 Principles of Business Statistics
- FIN 3563 Fundamentals of Business Finance
- LS 3113 Legal & Ethical Environment of Business
- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra
- MGMT 3103 Principles of Management
- MRKT 3013 Principles of Marketing

**# Liberal Arts Area of Concentration** ..... 24

Course work from one of the following areas (courses taken to meet other degree requirements may be applied). At least nine of the twenty-four hours must be 3000 or 4000 level course work. NOTE: Some areas of concentration may require more than 24 hours depending on required prerequisites.

- Art
- Biology
- Chemistry
- Creative Studies
- Criminal Justice
- Economics
- English
- Geography
- History
- Humanities
- Leadership
- Mathematics
- Mass Communication
- Modern Language
- Music
- Philosophy
- Physics
- Political Science
- Psychology
- Sociology
- Theatre Arts

Program: **Applied Liberal Arts**  
 Major: **Applied Liberal Arts**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Humanities and Philosophy**  
 College: **Liberal Arts**  
 Major Code: **5080**

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

#NOTE: This requirement may be satisfied with the completion of eighteen hours, provided the remaining six hours are selected from courses listed in the "Career Preparation" area above. This includes any additional courses completed in computer science and/or accounting.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO,  
 and (c) major courses..... **2.50**

For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)

Program: **Communication**  
 Major: **Interpersonal Communication**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**  
 College: **Liberal Arts**  
 Major Code: **5320**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Major Requirements**

**Communication - Interpersonal Communication** ..... 48-56

**Required Courses**..... 33

MCOM 2053 Introduction to Human Communication

MCOM 2623 Communication Theory

MCOM 3073 Relational Communication

MCOM 3083 Intercultural Communication

MCOM 3113 Nonverbal Communication

MCOM 3153 Interpersonal Communication Research

MCOM 3373 Group and Team Communication **OR**

MCOM 3393 Leading Groups and Building Teams in Organizations

MCOM 3413 Conflict and Communication **OR**

MCOM 3633 Conflict & Negotiation in Organizations **OR**

MCOM 4823 Mediation

MCOM 3573 Intergenerational Communication

MCOM 4233 Family Communication

MCOM 4453 Communication and Language

**Interpersonal Communication Elective Courses** ..... 9

- Select from the following courses:
- MCOM 2073 Introduction to Media Studies
  - MCOM 3093 Presentation Techniques
  - MCOM 3173 Women’s Rhetoric
  - MCOM 3233 Gender, Race, Class and Media
  - MCOM 3323 Mass Media Effects on Society
  - MCOM 3423 Communication and Gender
  - MCOM 3453 Couples Communication
  - MCOM 3483 The Dark Side of Relationships
  - MCOM 3533 Women and Leadership
  - MCOM 3833 Masculinity in the Media
  - MCOM 4623 Gays & Lesbians in Film/Media
  - MCOM 4633 Race, Violence, Youth & Media
  - MCOM 4673 Sibling Communication

**Minimum Required Hours**

**Additional Elective Courses**..... 6

Any MCOM Course

Frequently, students attempt to take upper division courses in other Mass Communication majors, but lack the prerequisite gateway course. The following are “gateway” courses which may be taken as electives:

- MCOM 1123 Basic Photography
- MCOM 1133 Media Writing
- MCOM 2063 Introduction to Brand Communications/Advertising
- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations

**Modern Language Requirement**..... 0-8

All students completing a B.A. in Communication - Interpersonal Communication shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Criminal Justice**  
 Major: **Criminal Justice - Corrections**  
 Degree: **Bachelor of Arts (B.A.)**

School: **Criminal Justice**  
 College: **Liberal Arts**  
 Major Code: **5282**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

**Major Requirements**

**Criminal Justice - Corrections**.....**54-62**

**Foundation Courses** ..... 33

Required courses..... 21

CJ 1313 Writing for Criminal Justice Professionals

CJ 1413 Introduction to the Criminal Justice System

MCOM 2053 Introduction to Human Communication

SOC 3633 Criminology **OR**

CJ 3633 Criminology

CJ 3813 Applied Ethics for Criminal Justice Practitioners

CJ 4033 Critical Issues in Criminal Justice

CJ 4113 Research Methodology for Criminal Justice **OR**

CJ 4043 Introduction to CJ Statistics

Select from the following..... 3

SOC 2103 Sociology

SAS 2603 Introduction to Substance Abuse Studies

Select from the following..... 9

CJ 4203 Dangerous and Violent Offenders

CJ 4323 Victimology

CJ 4523 Cyber Crime

CJ 4533 White Collar Crime

CJ 4633 Terrorism and Homeland Security

**Corrections** ..... 21

Required courses:

CJ 3703 Administration of Correctional Institutions

CJ 4063 Innovations in Corrections and Penology

CJ 4713 Community-Based Corrections

CJ 4723 Critical Issues in Corrections

CJ 4813 Oklahoma Adult Correctional System

CJ 4823 International Correction Systems **OR**

CJ 4663 Inside-Out Prison Exchange

CJ 4900 Practicum in Criminal Justice (3 hours)

**Minimum  
Required Hours**

**Modern Language Requirement**.....**0-8**

All students completing a B.A. in Criminal Justice - Corrections shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution. (Spanish highly recommended for Criminal Justice majors.)

**Electives to bring total to..... 124**

Recommended Electives:

CJ	2213	Introduction to Crime Analysis
ENG	4023	Technical Writing
SOC	3203	Minorities in American Society
SOC	4910	Seminar

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... **2.50**
2. Average in major courses ..... **2.50**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Criminal Justice**  
 Major: **Criminal Justice - General Criminal Justice**  
 Degree: **Bachelor of Arts (B.A.)**

School: **Criminal Justice**  
 College: **Liberal Arts**  
 Major Code: **5284**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Criminal Justice -  
General Criminal Justice .....54-62**

**Foundation Courses ..... 33**

Required courses..... 21

- CJ 1313 Writing for Criminal Justice Professionals
- CJ 1413 Introduction to the Criminal Justice System
- MCOM 2053 Introduction to Human Communication
- SOC 3633 Criminology **OR**
- CJ 3633 Criminology
- CJ 3813 Applied Ethics for Criminal Justice Practitioners
- CJ 4033 Critical Issues in Criminal Justice
- CJ 4113 Research Methodology for Criminal Justice **OR**
- CJ 4043 Introduction to CJ Statistics

Select from the following..... 3

- SOC 2103 Sociology
- SAS 2603 Introduction to Substance Abuse Studies

Select from the following..... 9

- CJ 4203 Dangerous and Violent Offenders
- CJ 4323 Victimology
- CJ 4523 Cyber Crime
- CJ 4533 White Collar Crime
- CJ 4633 Terrorism and Homeland Security
- CJ 4713 Community-Based Corrections
- CJ 4723 Critical Issues in Corrections

**General Criminal Justice ..... 21**

Required courses:

- CJ 2413 Careers and Technologies in Criminal Justice
- CJ 2653 Police Administration and Organization
- SOC 3103 Juvenile Delinquency **OR**
- CJ 3103 Juvenile Delinquency
- CJ 3423 Laws of Arrest, Search, and Seizure
- CJ 3703 Administration of Correctional Institutions
- CJ 4413 Delinquent Child Law: Process & Procedure **OR**
- CJ 4063 Innovations in Corrections and Penology
- CJ 4900 Practicum in Criminal Justice (3 hours)

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Criminal Justice - General Criminal Justice shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution. (Spanish highly recommended for Criminal Justice majors.)

**Electives to bring total to..... 124**

Recommended Electives:

- CJ 2213 Introduction to Crime Analysis
- ENG 4023 Technical Writing
- SOC 3203 Minorities in American Society
- SOC 4910 Seminar

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.50
2. Average in major courses..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Criminal Justice**  
 Major: **Criminal Justice - Police**  
 Degree: **Bachelor of Arts (B.A.)**

School: **Criminal Justice**  
 College: **Liberal Arts**  
 Major Code: **5285**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Criminal Justice - Police**.....**57-65**

**Foundation Courses**..... **33**

Required courses..... 21

CJ 1313 Writing for Criminal Justice Professionals

CJ 1413 Introduction to the Criminal Justice System

MCOM 2053 Introduction to Human Communication

SOC 3633 Criminology **OR**

CJ 3633 Criminology

CJ 3813 Applied Ethics for Criminal Justice Practitioners

CJ 4033 Critical Issues in Criminal Justice

CJ 4113 Research Methodology for Criminal Justice **OR**

CJ 4043 Introduction to CJ Statistics

Select from the following..... 3

SOC 2103 Sociology

SAS 2603 Introduction to Substance Abuse Studies

Select from the following..... 9

CJ 4203 Dangerous and Violent Offenders

CJ 4323 Victimology

CJ 4523 Cyber Crime

CJ 4533 White Collar Crime

CJ 4633 Terrorism and Homeland Security

**Criminal Justice - Police**..... **24**

Required courses:

CJ 2413 Careers and Technologies in Criminal Justice

CJ 2653 Police Administration and Organization

SOC 3103 Juvenile Delinquency **OR**

CJ 3103 Juvenile Delinquency

CJ 3423 Laws of Arrest, Search, and Seizure

CJ 4003 Community Oriented Policing

CJ 4013 Elements of Criminal Offenses

CJ 4023 Modern Criminal Investigations

CJ 4900 Practicum in Criminal Justice (3 hours)

**Modern Language Requirement**.....**0-8**

All students completing a B.A. in Criminal Justice - Police shall complete the first two semesters of a second language. Students may

alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution. (Spanish highly recommended for Criminal Justice majors.)

**Electives to bring total to**..... **124**

Recommended Electives:

CJ 2213 Introduction to Crime Analysis

ENG 4023 Technical Writing

SOC 3203 Minorities in American Society

SOC 4910 Seminar

**Minimum Grade Requirements**

- Average in all college course work and course work at UCO** ..... **2.50**
- Average in major courses** ..... **2.50**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **English**  
 Major: **English**  
 Degree: Bachelor of Arts (B.A.)

Dept: English  
 College: Liberal Arts  
 Major Code: 5040

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course ..... 2
- Elective Life Skills..... 3

Minimum  
Required Hours

**Major Requirements**

**English**.....54-62

**Literature**..... 24

Required courses:

- ENG 2303 English Cornerstone
- ENG 2543 English Literature to 1800
- ENG 2653 English Literature since 1800
- ENG 2773 American Literature to 1865
- ENG 2883 American Literature since 1865
- ENG 3013 Shakespeare **OR**
- ENG 3033 Shakespeare
- ENG 3193 World Literature I **OR**
- ENG 3213 World Literature II
- ENG 4243 Chaucer **OR**
- ENG 4633 Old English Literature

**Language and Writing**..... 21

Required courses:

- ENG 4023 Technical Writing **OR**
- CSDY 2513 Introduction to Creative Writing
- ENG 4263 Literary Criticism
- ENG 4283 English Grammar and Usage
- ENG 4343 Linguistics
- ENG 4323 History of the English Language
- ENG 4473 Advanced Composition
- ENG 4893 English Capstone

**English Electives (3000/4000 level)**..... 9

**Modern Language Requirement**..... 0-8

All students completing a B.A. in English shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **English**  
 Major: **English - Creative Writing**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **English**  
 College: **Liberal Arts**  
 Major Code: **5042**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Major Requirements**

**English - Creative Writing** .....48-56

**Literature**..... 21

Required courses:

- ENG 2543 English Literature to 1800
- ENG 2653 English Literature since 1800
- ENG 2773 American Literature to 1865
- ENG 2883 American Literature since 1865
- ENG 3013 Shakespeare **OR**
- ENG 3033 Shakespeare
- ENG 3193 World Literature I **OR**
- ENG 3213 World Literature II
- ENG 4283 English Grammar and Usage

**Creative Studies Courses**..... 9

Required courses:

- CSDY 3573 Fundamentals of Creative Writing I
- CSDY 3583 Fundamentals of Creative Writing II
- CSDY 4893 Creative Writing Capstone

**Creative Studies Elective Courses (4000 Level)** ..... 18

**Modern Language Requirement**.....0-8

All students completing a B.A. in English - Creative Writing shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **English Education**  
 Major: **English Education**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **English**  
 College: **Liberal Arts**  
 Major Code: **5060**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses..... 9**

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**English Education ..... 42**

Required courses..... 39

- ENG 2303 English Cornerstone
- ENG 2543 English Literature to 1800
- ENG 2653 English Literature since 1800
- ENG 2773 American Literature to 1865
- ENG 2883 American Literature since 1865
- ENG 3123 Grammar for English Education Majors
- ENG 3193 World Literature I
- ENG 3213 World Literature II
- ENG 4323 History of the English Language
- ENG 4333 Teaching Shakespeare
- ENG 4473 Advanced Composition
- ENG 4673 Young Adult Literature
- ENG 4823 Ethnic American Literature

English or Creative Studies Elective (3000/4000 level)..... 3

**Professional Education ..... 34**

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- TESL 4232 Teaching Secondary ELLs
- ENG 3843 Secondary English Methods I
- ^ENG 4843 Secondary English Methods II
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Electives to bring total to..... 124**

For additional requirements allowing students to certify to teach World Literature, Newspaper, Yearbook or Instructional Media Education check with the Director of Teacher Certification.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Geography**  
 Major: **Geography**  
 Degree: Bachelor of Arts (B.A.)

Dept: History  
 College: Liberal Arts  
 Major Code: 5100

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

- Courses from the major may apply to core areas marked.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis ..... 3

**• Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course ..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Geography** .....55-63

**Geography** ..... 40

Geography Core ..... 16

Select from the following:

- GEO 1204 Physical Geography with Lab
- GEO 1403 Human Geography
- GEO 2303 Regional Geography of the World
- GEO 4113 Geographic Information Systems
- GEO 4893 Geography Capstone

Regional Core ..... 9

Selected from the following:

- GEO 3123 Geography of Europe
- GEO 3143 Geography of Latin America
- GEO 3153 Geography of Middle East and North Africa
- GEO 3163 Geography of Sub-Saharan Africa
- GEO 3183 Geography of South Asia
- GEO 3203 Geography of North America
- GEO 3303 Geography of Russia and Central Asia
- GEO 3803 Geography of Oklahoma
- GEO 4940 Field Study in Geography (1-6 hours)
- GEO 4970 Study Tour in Geography (1-6 hours)

Topical Core ..... 15

Select from the following:

- GEO 2403 Weather and Climate
- GEO 3013 Geographic Skills
- GEO 3103 Map Analysis and Cartography
- GEO 3233 Severe Weather & Hazard Mitigation
- GEO 3253 Introduction to Environmental Biogeography
- GEO 3523 Gendered Geographies
- GEO 3703 Environmental Conservation
- GEO 4013 Economic Geography
- GEO 4133 American Indian Geographies
- GEO 4413 Geography of Migration
- GEO 4513 Historical Geography of North America
- GEO 4603 Urban Geography
- GEO 4613 World Geopolitical Hot Spots
- GEO 4733 Advanced GIS: Socio-Urban

**Minimum  
Required Hours**

- GEO 4743 Advanced GIS: Environmental
- GEO 4910 Seminar in Geography (1-3 hours)
- GEO 4950 Internship in Geography (1-3 hours)

**Other Social Studies**..... 15

Selected from:

History (In addition to HIST 1483 History of the United States to 1877 or HIST 1493 History of the United States since 1877)

Economics

Political Science (In addition to POL 1113 American National Government)

Sociology

**Modern Language Requirement**..... 0-8

All students completing a B.A. in Geography shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **History**  
 Major: **History**  
 Degree: Bachelor of Arts (B.A.)

Dept: History  
 College: Liberal Arts  
 Major Code: 5122

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History..... 3

**• Cultural and Language Analysis..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Major Requirements**

**History.....60-68**

**Required Core Courses ..... 24**

- Research..... 3
  - HIST 2113 Historical Research Methods **OR**
  - HIST 3113 Historical Research
- Introductory I History ..... 15
  - HIST 1103 Early Western Civilization to 1350
  - HIST 1203 Europe from the Renaissance to Waterloo
  - HIST 1263 Modern Europe
  - HIST 1483 History of the United States to 1877
  - HIST 1493 History of the United States since 1877
- Introductory II History ..... 6
  - HIST 1013 World History I **OR**
  - HIST 1273 East Asian Civilization to 1500
  - HIST 1023 World History II **OR**
  - HIST 1283 East Asian Civilization since 1500

**Elective History ..... 27**

- Intermediate History ..... 6
  - Complete 6 hours of HIST at the 2000 level
- Advanced History..... 21
  - Complete 21 hours of HIST courses at the 3000/4000 level

**History Capstone..... 3**

- HIST 4993 History Capstone Seminar

**Complementary Courses ..... 6**

- Complete 6 hours of GEO courses at the 3000/4000 level

**Modern Language Requirement..... 0-8**

All students completing a B.A. in History shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **History**  
 Major: **History - Museum Studies**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **History**  
 College: **Liberal Arts**  
 Major Code: **5121**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History..... 3

**• Cultural and Language Analysis..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Major Requirements**

**History - Museum Studies .....57-65**

See Program Director upon selection of this major.

**Required Core Courses ..... 24**

- Research..... 3
  - HIST 2113 Historical Research Methods **OR**
  - HIST 3113 Historical Research
- Introductory I History ..... 15
  - HIST 1103 Early Western Civilization to 1350
  - HIST 1203 Europe from the Renaissance to Waterloo
  - HIST 1263 Modern Europe
  - HIST 1483 History of the United States to 1877
  - HIST 1493 History of the United States since 1877
- Introductory II History ..... 6
  - HIST 1013 World History I **OR**
  - HIST 1273 East Asian Civilization to 1500
  - HIST 1023 World History II **OR**
  - HIST 1283 East Asian Civilization since 1500

**Museum Studies Courses ..... 21**

- Museum Theory and Application..... 12
  - HIST 4613 Museum Management
  - HIST 4623 Museum Theory and Practice
  - HIST 4950 Internship in Museum Studies (6 hours) **OR**
  - HIST 4950 Internship in Museum Studies (3 hours) **AND**
  - HIST 4940 Applied Research (3 hours)
- Elective History or Complementary courses ..... 9  
 (These courses must be approved by Museum Studies Program Director.)

**Advanced History..... 12**

- Category 1 (3/4000 level only) ..... 6
- Complete 2 courses from the following:
  - HIST 3133 Colonial America and the Atlantic World
  - HIST 3143 19th Century America in the World
  - HIST 3223 Recent U.S. Constitutional History
  - HIST 3233 U.S. Women’s History
  - HIST 4163 20th Century America in the World
  - HIST 4203 American Diplomatic History to 1900

**Minimum Required Hours**

- HIST 4213 American Diplomatic History in the 20th Century
- HIST 4303 Indians of the Southwest
- HIST 4313 U.S. Military History to 1917
- HIST 4323 U.S. Military History since 1900
- HIST 4413 Women/Gender in Native America
- HIST 4423 Women in the American West
- HIST 4433 Colonial America
- HIST 4533 Revolutionary America
- HIST 4553 Jacksonian America, 1815 to 1848
- HIST 4563 Civil War and Reconstruction
- HIST 4583 History of American Technology
- HIST 4603 Gilded Age and Progressive Era
- HIST 4633 History of the United States, 1919 to 1945
- HIST 4753 Atlantic Slavery
- HIST 4763 Black Intellectual History
- HIST 4823 Social and Cultural History to 1865
- HIST 4833 Social and Cultural History since 1865
- HIST 4843 Major Interpretations of American History
- HIST 4873 United States since 1945
- HIST 4970 Study Tour in History
- Category 2 (3/4000 level only) ..... 3
- Complete 1 course from the following:
  - HIST 3313 England to 1689
  - HIST 3323 England since 1689
  - HIST 3383 The Middle Ages
  - HIST 3423 Women’s History: European
  - HIST 3483 Absolutism and Enlightenment in Europe
  - HIST 3583 Europe, 1815-1871
  - HIST 4103 Europe, 1919 to 1945
  - HIST 4133 Europe since 1945
  - HIST 4333 Russian History to 1917
  - HIST 4343 Russian History since 1917
  - HIST 4653 Tudor-Stuart England
  - HIST 4663 The French Revolution and Napoleon
  - HIST 4773 Modern German History
  - HIST 4883 The Reformation, 1500-1648
  - HIST 4893 Europe, 1871-1919
  - HIST 4970 Study Tour in History

Program: **History** - continued  
 Major: **History - Museum Studies**  
 Degree: Bachelor of Arts (B.A.)

Dept: History  
 College: Liberal Arts  
 Major Code: 5121

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

- Category 3 (3/4000 level only) ..... 3
- Complete 1 course from the following:
- HIST 4153 History of Latin America
- HIST 4233 Maya, Aztec and Inca Civilizations
- HIST 4283 History of Sex in the Americas
- HIST 4353 Women’s History: International
- HIST 4443 History of the Cold War in Asia
- HIST 4513 History of Mexico
- HIST 4713 Modern Middle East
- HIST 4743 Modern China and Japan
- HIST 4863 The History of Modern Southeast Asia
- HIST 4970 Study Tour in History

**Modern Language Requirement..... 0-8**

All students completing a B.A. in History - Museum Studies shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at  
 UCO ..... 2.00
2. Average in major courses..... 2.50

For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)

Program: **History Education**  
 Major: **History Education**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **History**  
 College: **Liberal Arts**  
 Major Code: **5140**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History..... 3

• **Cultural and Language Analysis**..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis ..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 9

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**History Education** ..... 57

See Program Director **Dr. Justin Quinn Olmstead** upon selection of this major.

**Major Core Courses**..... 27

- ECON 1103 Introduction to Economics
- GEO 2303 Regional Geography of the World
- HIST 1023 World History II
- HIST 1263 Modern Europe
- HIST 1483 History of the United States to 1877 **OR**
- HIST 1493 History of the United States since 1877
- HIST 3113 Historical Research
- HIST 3303 Oklahoma History
- POL 2713 Introduction to Comparative Politics
- SOC 2103 Sociology

**Section 1 Advanced History (3/4000 level only)** ..... 9

Select three of the following courses:

- HIST 3133 Colonial America and the Atlantic World
- HIST 3143 19th Century America in the World
- HIST 4163 20th Century America in the World
- HIST 4533 Revolutionary America
- HIST 4563 Civil War and Reconstruction
- HIST 4603 Gilded Age and Progressive Era
- HIST 4873 United States since 1945

**Section 2 Advanced History (3/4000 level only)** ..... 3

Select one of the following courses:

- HIST 3123 Race, Class, Gender
- HIST 3233 U.S. Women’s History
- HIST 4303 Indians of the Southwest
- HIST 4423 Women in the American West
- HIST 4753 Atlantic Slavery **OR**
- HIST 4763 Black Intellectual History

**Section 3 Advanced History (3/4000 level only)** ..... 6

Select two of the following courses:

- HIST 4153 History of Latin America
- HIST 4463 US-East Asian Relations in the 20th Century
- HIST 4353 Women’s History: International
- HIST 4443 History of the Cold War in Asia
- HIST 4513 History of Mexico
- HIST 4713 Modern Middle East
- HIST 4743 Modern China and Japan
- HIST 4863 The History of Modern Southeast Asia
- HIST 4970 Study Tour in History

**Section 4 Advanced US Elective History (3/4000 level only)**..... 3

Select one of the following courses:

- HIST 3223 Recent U.S. Constitutional History
- HIST 4203 American Diplomatic History to 1900 **OR**
- HIST 4213 American Diplomatic Hist in the 20th Century
- HIST 4313 U.S. Military History to 1917 **OR**
- HIST 4323 U.S. Military History since 1900
- HIST 4723 American West
- HIST 4843 Major Interpretations of American History
- HIST 4970 Study Tour in History

**Section 5 Advanced Western Civilizations Elective History (3/4000 level only)**..... 6

Select two of the following courses:

- HIST 3213 World War II
- HIST 3313 England to 1689 **OR**
- HIST 3323 England since 1689
- HIST 3383 The Middle Ages
- HIST 3423 Women’s History: European
- HIST 3483 Absolutism and Enlightenment in Europe
- HIST 3583 Europe 1815-1871
- HIST 3703 Modern World Leaders
- HIST 4103 Europe, 1919 to 1945
- HIST 4133 Europe since 1945
- HIST 4333 Russian History to 1917 **OR**
- HIST 4343 Russian History since 1917
- HIST 4643 Anthropology: Societies in a Global Perspective

Program: **History Education** - continued  
 Major: **History Education**  
 Degree: Bachelor of Arts in Education (B.A.Ed.)

Dept: History  
 College: Liberal Arts  
 Major Code: 5140

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

HIST	4653	Tudor-Stuart England
HIST	4663	The French Revolution and Napoleon
HIST	4773	Modern German History
HIST	4883	The Reformation, 1500-1648
HIST	4893	Europe, 1871-1919
HIST	4970	Study Tour in History

**Elective Social Studies Courses..... 3**

Select one of the following courses:

HIST	1013	World History I
HIST	1103	Early Western Civilization to 1350
HIST	1203	Europe from the Renaissance to Waterloo
HIST	1273	East Asian Civilization to 1500
HIST	1283	East Asian Civilization from 1500
HIST	1333	African Americas
GEO	3123	Geography of Europe
GEO	3203	Geography of North America
GEO	3803	Geography of Oklahoma
GEO	4513	Historical Geography of North America

**Professional Education ..... 31**

PTE	1010	Introduction to Teacher Education
PTE	3023	Foundations of American Education/Clinical Exp
PTE	3153	Adolescent Psychology
SPED	4123	Teaching Individuals with Disabilities
TESL	4232	Teaching Secondary English Language Learners
^HIST	4803	Social Studies Methods
^PTE	4172	Educational Assessment
^PTE	4533	Contemporary Learning Sciences
^#PTE	4811	Contemporary Issues
^#PTE	4838	Internship/Student Teaching Secondary
^#PTE	4853	Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Note about Teacher Certification:** Each social studies discipline has specific teacher certification requirements. For information, contact the Office of Teacher Certification.

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Humanities**  
 Major: **Humanities**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Humanities and Philosophy**  
 College: **Liberal Arts**  
 Major Code: **5170**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

• Aesthetic Analysis ..... 3

• Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

• American National Government..... 3

• American History..... 3

• **Cultural and Language Analysis**..... 3-4

• Second Language..... 4

OR

• Cultural Analysis ..... 3

• **Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

• Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Humanities**.....**48-56**

**Basic Core Courses** ..... 9

Required courses:

- HUM 2113 General Humanities: Ancient to Medieval
- HUM 2223 General Humanities: Renaissance to Modern
- HUM 2423 Non-Western Humanities

**Capstone Course** ..... 3

- HUM 4803 Humanities Capstone

**Cultural Core Courses**..... 15

Selected from the following:

- HUM 3013 Bronze Age Humanities
- HUM 3033 Medieval Humanities
- HUM 3043 Renaissance and Baroque Humanities
- HUM 3053 19th & 20th Century Humanities
- HUM 3133 Ancient Greek Culture
- HUM 3233 Ancient Roman Culture
- HUM 3423 Enlightenment Humanities

**Other Humanities Courses**..... 15

Selected from the following:

- HUM 2243 Literature and Culture **OR**
- HUM 2273 Art and Culture **OR**
- HUM 2303 Music and Culture **OR**
- HUM 2333 Philosophy and Culture
- HUM 3063 American Humanities
- HUM 3073 Native American Humanities
- HUM 3113 Old Testament Humanities
- HUM 3123 New Testament Humanities
- HUM 3303 Early Christian Humanities
- HUM 3903 History of Film I
- HUM 3913 History of Film II
- HUM 4083 Film Criticism
- HUM 4113 World Religions
- HUM 4123 Pagan Europe
- HUM 4133 Women, Witches, and Religion
- HUM 4223 Jerusalem: One City/Three Religions
- HUM 4233 Anthropology of Religion
- HUM 4303 National Cinemas
- HUM 4513 Dante’s Inferno
- HUM 4603 Medieval Folklore

**Minimum  
Required Hours**

- HUM 4970 Study Tour in Humanities (1-6 hours)
- HUM 3990 Advanced Topics **OR**
- HUM 4910 Seminar in Humanities (maximum 6 hours)

\* Up to four (4) hours of an ancient language may be substituted for one of the above courses. Eligible courses include: GRK 1113 Biblical Greek 1, LATN 1114 Elementary Latin I, SNSK 1114 Elementary Sanskrit I, or other language courses approved by the Humanities Program Director.

\*Language courses completed in fulfillment of the Other Humanities Courses area cannot be used to satisfy the Modern Language Requirement.

**Philosophy Courses**..... 6

History of Philosophy ..... 3

Selected from the following:

- PHIL 2153 Ancient Philosophy
- PHIL 2173 Medieval Philosophy
- PHIL 3133 Modern Philosophy
- PHIL 3153 American Philosophic Thought
- PHIL 3163 Contemporary Philosophy
- PHIL 3173 Nineteenth Century Philosophy

Philosophy of Humanities..... 3

Selected from the following:

- PHIL 3123 Aesthetics
- PHIL 3143 Philosophy of Religion
- PHIL 3323 Philosophy of Music
- PHIL 4213 Philosophy of Fiction
- PHIL 4243 Philosophy and Humanism

**Modern Languages Requirement**.....**0-8**

All students completing a B.A. in Humanities shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

Program: **Humanities** - continued  
Major: **Humanities**  
Degree: Bachelor of Arts (B.A.)

Dept: Humanities and Philosophy  
College: Liberal Arts  
Major Code: 5170

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**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Minor Requirement ..... 18-24**

All students completing a B.A. in Humanities shall complete one of the following minors:

- Asian Studies
- English
- Film Studies
- Geography
- Global Art and Visual Culture
- Global Studies
- History
- Indigenous Studies
- Modern Languages
- Music
- Philosophy
- Political Science
- Race and Ethnic Studies
- Religious Studies
- Women's, Gender and Sexuality Studies

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO ..... 2.50
2. Average in major courses..... 2.75

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Mass Communication**  
 Major: **Mass Communication - Professional Media**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**  
 College: **Liberal Arts**  
 Major Code: **5012**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Mass Communication - Professional Media ..50-58**

**Required Courses ..... 38**

- MCOM 1103 Intro to Mass Communication
- MCOM 1133 Media Writing
- MCOM 2033 Media Production
- MCOM 2203 Video News I
- MCOM 2213 News Reporting
- MCOM 3033 Video News II **OR**
- MCOM 4153 Advanced Video Production
- MCOM 3143 Editing
- MCOM 3243 Video Field Production
- MCOM 3761 Newspaper Participation
- MCOM 3771 Radio Station Participation
- MCOM 3781 Television Station Participation
- MCOM 4423 Media Ethics
- MCOM 4563 Media Law
- MCOM 4873 Professional Media Capstone
- MCOM 4950 Internship in Mass Communication (2 hours)

**Electives ..... 12**

+ Select from the following:

- MCOM 1123 Basic Photography
- MCOM 2013 Digital Audio Production
- MCOM 2173 Sports Announcing
- MCOM 2523 Sportscasting
- MCOM 3013 Non-Linear Editing
- MCOM 3023 Radio Show Preparation & Presentation
- MCOM 3273 News Anchoring
- MCOM 3313 History of Journalism
- MCOM 3323 Mass Media Effects on Society
- MCOM 3333 Specialized Publications
- MCOM 3363 Documentary
- MCOM 3403 Corporate Video Production
- MCOM 3503 Broadcast Programming
- MCOM 3543 Sports Media Production
- MCOM 3713 Broadcast News Producing
- MCOM 3723 Advanced News Reporting
- MCOM 3753 Nonfiction Cinematography

- MCOM 3813 Blogging for Journalists
- MCOM 4023 Nonfiction Sound Design
- MCOM 4063 Feature Writing
- MCOM 4133 Media Management
- MCOM 4143 Investigative Reporting
- MCOM 4193 Opinion, Reviews, and Criticism in the Media
- MCOM 4313 Women in Media
- MCOM 4413 TV Documentary Production
- MCOM 4433 Victims and the Media
- MCOM 4523 Global Communication
- MCOM 4593 Advanced Documentary
- Any MCOM Course

Frequently, students attempt to take upper division courses in other Mass Communication majors, but lack the prerequisite gateway course. The following are “gateway” courses which may be taken as electives.

- MCOM 2053 Introduction to Human Communication
- MCOM 2063 Introduction to Brand Communications/Advertising
- MCOM 2073 Introduction to Media Studies
- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Mass Communication - Professional Media shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO ..... **2.00**
2. Average in major courses ..... **2.50**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: Modern Language
Major: Modern Language - French
Degree: Bachelor of Arts (B.A.)

Dept: Mod. Lang., Lit. and Cultural Studies
College: Liberal Arts
Major Code: 5220

University Core (Total Listed 42-44)

For a full list of courses see University Core.

Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication ..... 9

Quantitative Reasoning/Scientific Method ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

Critical Inquiry and Aesthetic Analysis ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

American Historical and Political Analysis ..... 6

American National Government ..... 3

American History ..... 3

Cultural and Language Analysis ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

Social and Behavioral Analysis ..... 3

Life Skills ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

Minimum Required Hours

Minimum Required Hours

Major Requirements

Modern Language - French .....39-55

Elementary French .....0-8

FRCH 1114 Elementary French I

FRCH 1224 Elementary French II

A maximum of eight hours of credit for Elementary French may be earned by examination. Alternatively, two (2) years of high school French may be substituted for FRCH 1114 and another two (2) years of high school French for FRCH 1224. This fulfills the language requirement, but conveys no credit hours toward graduation. Evaluation of a student's language skills may lead to placement in a more advanced course and waiving of prerequisite courses. Only testing through acknowledged processes (CLEP or AP, for example) conveys credit hours for prerequisite or lower level language courses.

Elementary Additional Language ..... 0-8

The same testing or placement conditions apply here as for Elementary French.

Intermediate French ..... 6

FRCH 2113 Intermediate French I

FRCH 2223 Intermediate French II

Advanced French ..... 33

Required courses:..... 21

FRCH 3103 Early French Culture and Civilization

FRCH 3113 Early Modern French Culture, Civ and Literature

FRCH 3213 French Phonetics

FRCH 4113 Advanced French Grammar

FRCH 4123 Modern French Culture, Civilization and Literature

FRCH 4133 20th/21st Century French Culture, Civ and Lit

FRCH 4910 Seminar in French (3 hours)

French electives (3000/4000 level courses) ..... 12

(may include 3 hours of 2000-level elective)

Participation in foreign study is strongly recommended for all French majors and minors.

FLGN 4843 Methods of Teaching Foreign Languages may count as an upper-division French elective.

Electives to bring total to..... 124

Minimum Grade Requirements

- 1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50
2. A grade of "C" or better must be received in all major courses to count toward these requirements.

For other regulations pertaining to graduation, see Academic Degree Requirements.



Program: **Modern Language**  
 Major: **Modern Language - German**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mod. Lang., Lit. and Cultural Studies**  
 College: **Liberal Arts**  
 Major Code: **5221**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course ..... 2

Elective Life Skills..... 3

**Major Requirements**

**Modern Language - German .....39-55**

**Elementary German .....0-8**

GERM 1114 Elementary German I

GERM 1224 Elementary German II

A maximum of eight hours of credit for Elementary German may be earned by examination. Alternatively, two (2) years of high school German may be substituted for GERM 1114 and another two (2) years of high school German for GERM 1224. This fulfills the language requirement, but conveys no credit hours toward graduation. Evaluation of a student's language skills may lead to placement in a more advanced course and waiving of prerequisite courses. Only testing through acknowledged processes (CLEP or AP, for example) conveys credit hours for prerequisite or lower level language courses.

**Elementary Additional Language ..... 0-8**

The same testing or placement conditions apply here as for Elementary German.

**Intermediate German ..... 6**

GERM 2113 Intermediate German I

GERM 2223 Intermediate German II

**Advanced German ..... 33**

Required courses:..... 21

GERM 3103 Early German Culture and Civilization

GERM 3113 Modern German Culture and Civilization

GERM 3223 Introduction to German Literary Analysis

GERM 4113 Advanced German Grammar

GERM 4123 Survey of German Literature to 1800

GERM 4133 Survey of German Literature 1800 to the Present

GERM 4910 Seminar in German

German electives (3000/4000 level courses)..... 12  
 (may include 3 hours of 2000-level elective)

**Minimum  
Required Hours**

Participation in foreign study is strongly recommended for all German majors and minors.

FLGN 4843 Methods of Teaching Foreign Languages may count as an upper-division German elective.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

- 1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50**
- 2. A grade of "C" or better must be received in all major courses to count toward meeting these requirements.**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Modern Language**  
 Major: **Modern Language - Spanish**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mod. Lang., Lit. and Cultural Studies**  
 College: **Liberal Arts**  
 Major Code: **5222**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Modern Language - Spanish .....39-55**

**Elementary Spanish ..... 0-8**

- SPAN 1114 Elementary Spanish I
- SPAN 1224 Elementary Spanish II

A maximum of eight hours of credit for Elementary Spanish may be earned by examination. Alternatively, two (2) years of high school Spanish may be substituted for SPAN 1114 and another two (2) years of high school Spanish for SPAN 1224. This fulfills the language requirement, but conveys no credit hours toward graduation. Evaluation of a student's language skills may lead to placement in a more advanced course and waiving of prerequisite courses. Only testing through acknowledged processes (CLEP or AP, for example) conveys credit hours for prerequisite or lower level language courses.

**Elementary Addition Language..... 0-8**

The same testing or placement conditions apply here as for Elementary Spanish.

**Intermediate Spanish..... 6**

- SPAN 2113 Intermediate Spanish I
- SPAN 2223 Intermediate Spanish II

**Advanced Spanish..... 33**

- Required courses: ..... 18
- SPAN 3013 Hispanic-American Culture and Civilization
  - SPAN 3023 Spanish Culture and Civilization
  - SPAN 3213 Spanish Phonetics
  - SPAN 3223 Introduction to Spanish Literary Analysis
  - SPAN 4113 Advanced Spanish Grammar
  - SPAN 4910 Seminar in Spanish (3 hours)

- Select from the following: ..... 6
- SPAN 4123 Survey of Spanish Literature to 1800
  - SPAN 4133 Survey of Spanish Literature 1800 to the Present
  - SPAN 4223 Survey of Early Latin American Literature
  - SPAN 4233 Survey of Modern Latin American Literature

Spanish electives (3000/4000 level courses) ..... 9  
 (may include 3 hours of 2000-level elective)

Participation in foreign study is strongly recommended for all Spanish majors and minors.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50
2. A grade of "C" or better must be received in all major courses to count toward meeting these requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Modern Language Education**  
 Major: **Modern Language Education - French**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **Mod. Lang., Lit. and Cultural Studies**  
 College: **Liberal Arts**  
 Major Code: **5240**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Support Courses**

**Support Courses**..... 9

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**Modern Language Education - French**.....39-51

**Elementary French** ..... 0-8

- FRCH 1114 Elementary French I
- FRCH 1224 Elementary French II

A maximum of eight hours of credit for Elementary French may be earned by examination. Alternatively, two (2) years of high school French may be substituted for FRCH 1114 and another two (2) years of high school French for FRCH 1224. This fulfills the language requirement, but conveys no credit hours toward graduation. Evaluation of a student’s language skills may lead to placement in a more advanced course and waiving of prerequisite courses. Only testing through acknowledged processes (CLEP or AP, for example) conveys credit hours for prerequisite or lower level language courses.

**Elementary Additional Language**.....0-4

The same testing or placement conditions apply here as for Elementary French.

**Intermediate French** ..... 6

- FRCH 2113 Intermediate French I
- FRCH 2223 Intermediate French II

**Advanced French** ..... 33

- Required courses:..... 21
- FRCH 3103 Early French Culture and Civilization
- FRCH 3113 Early Modern French Culture and Civ Literature
- FRCH 3213 French Phonetics
- FRCH 4113 Advanced French Grammar
- FRCH 4123 Modern French Culture and Civilization Literature
- FRCH 4133 20th/21st Century French Culture and Civ Lit
- FRCH 4910 Seminar in French (3 hours)

French electives (3000/4000 level courses)..... 12  
 (may include 3 hours of 2000-level elective)

**Minimum  
Required Hours**

**Minimum  
Required Hours**

Participation in foreign study is strongly recommended for all French majors and minors.

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- FLGN 4843 Methods of Teaching Foreign Language in  
Elementary and Secondary Schools
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

1. **Overall GPA in all college course work** ..... 2.50
2. **Average in course work at UCO** ..... 2.00
3. **Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)**..... “C”
4. **Proficiency in foreign language** ..... Novice 4 level

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Modern Language Education**  
 Major: **Modern Language Education - German**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **Mod. Lang., Lit. and Cultural Studies**  
 College: **Liberal Arts**  
 Major Code: **5241**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses..... 9**

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**Modern Language Education - German.....39-51**

**Elementary German ..... 0-8**

- GERM 1114 Elementary German I
- GERM 1224 Elementary German II

A maximum of eight hours of credit for Elementary German may be earned by examination. Alternatively, two (2) years of high school German may be substituted for GERM 1114 and another two (2) years of high school German for GERM 1224. This fulfills the language requirement, but conveys no credit hours toward graduation. Evaluation of a student’s language skills may lead to placement in a more advanced course and waiving of prerequisite courses. Only testing through acknowledged processes (CLEP or AP, for example) conveys credit hours for prerequisite or lower level language courses.

**Elementary Additional Language..... 0-4**

The same testing or placement conditions apply here as for Elementary German.

**Intermediate German ..... 6**

- GERM 2113 Intermediate German I
- GERM 2223 Intermediate German II

**Advanced German ..... 33**

Required courses:..... 21

- GERM 3103 Early German Culture and Civilization
- GERM 3113 Modern German Culture and Civilization
- GERM 3223 Introduction to German Literary Analysis
- GERM 4113 Advanced German Grammar
- GERM 4123 Survey of German Literature to 1800
- GERM 4133 Survey of German Literature 1800 to the Present
- GERM 4910 Seminar in German (3 hours)

German electives (3000/4000 level courses) ..... 12  
 (may include 3 hours of 2000-level elective)

Participation in foreign study is strongly recommended for all German majors and minors.

**Professional Education ..... 31**

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- FLGN 4843 Methods of Teaching Foreign Language in Elementary and Secondary Schools
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Electives to bring total to..... 124**

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Modern Language Education**  
 Major: **Modern Language Education - Spanish**  
 Degree: **Bachelor of Arts in Education (B.A.Ed.)**

Dept: **Mod. Lang., Lit. and Cultural Studies**  
 College: **Liberal Arts**  
 Major Code: **5242**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**..... 9

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Major Requirements**

**Modern Language Education - Spanish** .....39-51

**Elementary Spanish**..... 0-8

- SPAN 1114 Elementary Spanish I
- SPAN 1224 Elementary Spanish II

A maximum of eight hours of credit for Elementary Spanish may be earned by examination. Alternatively, two (2) years of high school Spanish may be substituted for SPAN 1114 and another two (2) years of high school Spanish for SPAN 1224. This fulfills the language requirement, but conveys no credit hours toward graduation. Evaluation of a student’s language skills may lead to placement in a more advanced course and waiving of prerequisite courses. Only testing through acknowledged processes (CLEP or AP, for example) conveys credit hours for prerequisite or lower level language courses.

**Elementary Additional Language**..... 0-4

The same testing or placement conditions apply here as for Elementary Spanish.

**Intermediate Spanish**..... 6

- SPAN 2113 Intermediate Spanish I
- SPAN 2223 Intermediate Spanish II

**Advanced Spanish**..... 33

- Required courses:..... 18
- SPAN 3013 Hispanic-American Culture and Civilization
- SPAN 3023 Spanish Culture and Civilization
- SPAN 3213 Spanish Phonetics
- SPAN 3223 Introduction to Spanish Literary Analysis
- SPAN 4113 Advanced Spanish Grammar
- SPAN 4910 Seminar in Spanish (3 hours)

Select from the following: ..... 6

- SPAN 4123 Survey of Spanish Literature to 1800
- SPAN 4133 Survey of Spanish Literature 1800 to the Present

- SPAN 4223 Survey of Early Latin American Literature
- SPAN 4233 Survey of Modern Latin American Literature
- Spanish electives (3000/4000 level courses) ..... 9  
(may include 3 hours of 2000-level elective)

Participation in foreign study is strongly recommended for all Spanish majors and minors.

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- FLGN 4843 Methods of Teaching Foreign Language in  
Elementary and Secondary Schools
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Internship/Student Teaching PK-12
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Electives to bring total to**..... 124

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Philosophy**  
 Major: **Philosophy**  
 Degree: Bachelor of Arts (B.A.)

Dept: Humanities  
 College: Liberal Arts  
 Major Code: 5180

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

- Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

**Major Requirements**

Minimum  
Required Hours

**Philosophy**.....45-53

**Introduction**..... 3

PHIL 1113 Introduction to Philosophy

**Logic**..... 3

PHIL 1103 Logic and Critical Thinking

**History of Philosophy** ..... 9

Selected from the following:

PHIL 2153 Ancient Philosophy

PHIL 2173 Medieval Philosophy

PHIL 3133 Modern Philosophy

PHIL 3153 American Philosophic Thought

PHIL 3163 Contemporary Philosophy

PHIL 3173 Nineteenth Century Philosophy

**Value Theory**..... 6

Selected from the following:

PHIL 1123 Contemporary Moral Problems

PHIL 2073 Social and Political Philosophy

PHIL 3103 Ethical Theory

PHIL 3123 Aesthetics

**Metaphysics** ..... 3

Selected from the following:

PHIL 3303 Metaphysics

PHIL 3883 Philosophy of Mind

**Epistemology** ..... 3

Selected from the following:

PHIL 3403 Theory of Knowledge

PHIL 4163 Philosophy of Science

PHIL 4233 Philosophy of Language

**Capstone**..... 3

PHIL 4513 Philosophical Writing

Minimum  
Required Hours

**Electives in Philosophy** ..... 15

**Modern Language Requirement**.....0-8

All students completing a B.A. in Philosophy shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Photographic Arts**  
 Major: **Photographic Arts**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**  
 College: **Liberal Arts**  
 Major Code: **5330**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

**Major Requirements**

**Photographic Arts** .....46-57

**Required Courses** ..... 37-40

- MCOM 1123 Basic Photography
- MCOM 1133 Media Writing
- MCOM 2223 Darkroom Photography
- MCOM 2743 Photojournalism
- MCOM 3133 Color Photography
- MCOM 3293 Photographic Lighting
- MCOM 3703 Conceptual Photography
- MCOM 4303 Large Format Photography
- MCOM 4423 Media Ethics
- MCOM 4513 Advanced Commercial Photography
- MCOM 4563 Media Law
- MCOM 4643 Photography Portfolio
- MCOM 4950 Internship in Mass Communication (1-4 hours)

**Elective Courses** ..... 9

Select from the following:

- ART 3513 Contemporary Art and Visual Culture
- MCOM 2033 Media Production
- MCOM 2543 Digital Photography
- MCOM 3043 History of Photography to 1945
- MCOM 3063 History of Photography 1945-Present
- MCOM 3333 Specialized Publications
- MCOM 3363 Documentary
- MCOM 3753 Nonfiction Cinematography
- MCOM 3803 Business of Photography
- MCOM 4023 Nonfiction Sound Design
- MCOM 4063 Feature Writing
- MCOM 4323 Social Documentation
- MCOM 4543 Portrait and Wedding Photography
- MCOM 4593 Advanced Documentary
- Any MCOM Course

**Minimum  
Required Hours**

**Minimum  
Required Hours**

Frequently, students attempt to take upper division courses in other Mass Communication majors, but lack the prerequisite gateway course. The following are “gateway” courses which may be taken as electives:

- MCOM 2053 Introduction to Human Communication
- MCOM 2063 Introduction to Brand Communications/Advertising
- MCOM 2073 Introduction to Media Studies
- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations

**Modern Language Requirement**.....0-8

All students completing a B.A. in Photographic Arts shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Political Science**  
 Major: **Political Science**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Political Science**  
 College: **Liberal Arts**  
 Major Code: **5260**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

• Second Language..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course ..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Political Science ..... 36-44**

**Core Requirements ..... 9**

- POL 2013 Political Science Statistics
- POL 2103 Elements of Political Science
- POL 4993 Democratic Governance

**Elective Political Science ..... 27**

Complete all courses from at least one (1) of the following four (4) groups ..... 9

- POL 2303 Introduction to World Politics
- POL 2713 Introduction to Comparative Politics
- POL 4543 International Cooperation

**OR**

- POL 2203 Introduction to Law
- POL 3203 Civil Liberties and the Courts
- POL 4133 Judicial Process

**OR**

- POL 1203 State and Local Government
- POL 2413 Introduction to Public Administration
- POL 4413 Public Policy Analysis

**OR**

- POL 1203 State and Local Government
- POL 2213 Campaigns and Elections
- POL 4123 The Congress

Other Political Science Electives ..... 18

Any Political Science course including courses listed in the elective groups above except the group chosen to fulfill the 9 hour elective.

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Political Science shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Free Electives**

Students are encouraged to select courses in disciplines which support their major coursework, i.e., economics, history, humanities, philosophy, geography, or English.

**Minimum Grade Requirements**

**Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.50**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Political Science**  
 Major: **Political Science - Public Administration**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Political Science**  
 College: **Liberal Arts**  
 Major Code: **5261**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

• Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Political Science - Public Administration.....45-53**

**Political Science**..... 6

Required courses:

POL 2103 Elements of Political Science

POL 4993 Democratic Governance

**Public Administration Foundation**..... 18

Required courses:

ECON 2103 Principles of Microeconomics

ECON 2203 Principles of Macroeconomics

POL 1203 State and Local Government

POL 2413 Introduction to Public Administration

POL 2623 Applied Research in Public Administration

POL 4413 Public Policy Analysis

**Public Administration Electives**..... 18

Select from the following:

POL 3313 Municipal Management/Politics

POL 3343 Administrative Law

POL 3543 Public Service Human Resource Management

POL 3583 Urban Government and Policy

POL 4253 Ethics in Public Service

POL 4423 Environmental Politics

POL 4443 Cases in Public Administration

POL 4463 Public Finance and Budgeting

POL 4523 Public Program Evaluation

POL 4603 Intergovernmental Relations

POL 4693 State Administration

POL 4900 Practicum in Public Service (1-4 hours)

**Economics Electives** ..... 3

Select from the following:

ECON 3203 Intermediate Microeconomics

ECON 3353 Principles of Public Finance

ECON 4303 Urban Economics

ECON 4323 Policy Analysis

ECON 4513 Labor Economics and Public Policy

**Modern Language Requirement**..... 0-8

All students completing a B.A. in Political Science - Public Administration shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

**Average in (a) all college course work, (b) course work at UCO, and (c) major courses**..... 2.50

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Students wishing to apply for the Accelerated BA/MPA program in Public Administration may enroll in three MPA graduate level courses as seniors under the Graduate College's Accelerated Degree Program Policy. Admission requires a 3.0 undergraduate GPA, and application to and approval of the POL Accelerated BA/MPA Committee.

Program: **Sociology**  
 Major: **Sociology**  
 Degree: Bachelor of Arts (B.A.)

Dept: Sociology, Gerontology, and Sub. Abuse Studies  
 College: Liberal Arts  
 Major Code: 5300

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

• American National Government..... 3

• American History..... 3

**Cultural and Language Analysis ..... 3-4**

• Second Language..... 4

OR

• Cultural Analysis ..... 3

• **Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

Elective Life Skills..... 3

Minimum  
Required Hours

**Major Requirements**

**Sociology .....58-66**

**Foundation Courses..... 25**

Required courses:

SOC 2011 Careers in Sociology

SOC 2103 Sociology

SOC 2203 Social Problems

SOC 4043 Sociological Statistics

SOC 4403 Social Ecology and Demography

SOC 4443 Social Stratification

SOC 4693 Sociological Theory

SOC 4773 Sociological Research

At least 3 hours from the following:

SOC 2303 Social Psychology

SOC 3103 Juvenile Delinquency

SOC 3633 Criminology

SOC 4243 Social Deviance

**General Sociology..... 24**

Any 24 hours of sociology in addition to the foundation courses above.

**General Social Studies ..... 9**

Any nine (9) hours taken from the following social studies areas:

Economics

History

Political Science

Geography

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Sociology shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work,  
and (b) course work at UCO..... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Sociology**  
 Major: **Sociology - Human Services**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Sociology, Gerontology, and Sub. Abuse Studies**  
 College: **Liberal Arts**  
 Major Code: **5302**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Sociology - Human Services .....61-69**

**Foundation Courses for Sociology ..... 25**

- SOC 2011 Careers in Sociology
- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 4043 Sociological Statistics
- SOC 4403 Social Ecology and Demography
- SOC 4443 Social Stratification
- SOC 4693 Sociological Theory
- SOC 4773 Sociological Research

**At least three (3) hours from the following:**

- SOC 2303 Social Psychology
- SOC 3103 Juvenile Delinquency
- SOC 3633 Criminology
- SOC 4243 Social Deviance

**Foundation Courses for Human Services ..... 21**

- SOC 2503 Introduction to Social Work
- SAS 2603 Introduction to Substance Abuse Studies
- SOC 3203 Minorities in American Society
- SOC 3403 The Family
- SOC 4233 Human Behavior and the Social Environment
- SOC 4633 Social Welfare Policy
- SOC 4900 Practicum in Sociology (3 hours)

**Electives for Human Services..... 15**

- SOC 2113 Human Sexuality
- SOC 2413 Cultural Anthropology
- SOC 3103 Juvenile Delinquency
- SAS 3123 The Addictive Process
- SOC 3303 Sociology of Health and Medicine
- SOC 3633 Criminology
- SOC 4053 Sociology of Aging
- SOC 4243 Social Deviance
- SAS 4313 Codependency
- SAS 4343 Prevention and Education in Substance Abuse
- SOC 4463 The Abused
- SOC 4573 Sociology of Childhood and Adolescence
- SOC 4900 Practicum in Sociology (1-3 hours)

Any undergraduate course in FMCD  
 OR other approved courses

**Modern Language Requirement.....0-8**

All students completing a B.A. in Sociology - Human Services shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work,  
 and (b) course work at UCO ..... 2.00
2. Average in major courses ..... 2.50

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Sociology**  
 Major: **Sociology - Substance Abuse Studies**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Sociology, Gerontology, and Sub. Abuse Studies**  
 College: **Liberal Arts**  
 Major Code: **5301**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course ..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Sociology - Substance Abuse Studies.....64-72**

**Foundation Courses for Sociology ..... 25**

- SOC 2011 Careers in Sociology
- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 4043 Sociological Statistics
- SOC 4403 Social Ecology and Demography
- SOC 4443 Social Stratification
- SOC 4693 Sociological Theory
- SOC 4773 Sociological Research

**At least three (3) hours from the following:**

- SOC 2303 Social Psychology
- SOC 3103 Juvenile Delinquency
- SOC 3633 Criminology
- SOC 4243 Social Deviance
- SOC 4900 Practicum in Substance Abuse Studies (3 hour)

**Foundation Courses for Substance Abuse Studies..... 39**

- SAS 2603 Introduction to Substance Abuse Studies
- SAS 3023 Counseling Skills in Substance Abuse
- SAS 3123 The Addictive Process
- SAS 4273 Substance Abuse and the Family
- SAS 4293 Professional Principles in Substance Abuse Counseling
- SAS 4303 Substance Abuse in Special Populations
- SAS 4313 Codependency
- SAS 4323 Dual Diagnosis
- SAS 4333 Advanced Counseling Skills in Substance Abuse
- SAS 4343 Prevention and Education in Substance Abuse
- SAS 4413 Group Dynamics in Substance Abuse Counseling
- SOC 4233 Human Behavior and the Social Environment
- SOC 4463 The Abused

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Sociology - Substance Abuse Studies shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

Students interested in earning a Bachelor of Arts (B.A.) in Sociology with an option in Substance Abuse Studies must receive special admission to the program. Applications for admission are available in the Department of Sociology, Gerontology, and Substance Abuse Studies.

**Minimum Grade Requirements**

1. Average in (a) all college course work,  
and (b) course work at UCO ..... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program:	<b>Strategic Communications</b>	Dept:	Mass Communication
Major:	<b>Strategic Communications - Organizational Communication</b>	College:	Liberal Arts
Degree:	Bachelor of Arts (B.A.)	Major Code:	5341

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

<b>Written and Oral Communication</b> .....	<b>9</b>
<b>Quantitative Reasoning/Scientific Method</b> .....	<b>10-11</b>
Math .....	3
Life Science .....	4
Physical Science.....	3-4
<b>Critical Inquiry and Aesthetic Analysis</b> .....	<b>6</b>
Aesthetic Analysis .....	3
Critical Inquiry.....	3

<b>American Historical and Political Analysis</b> .....	<b>6</b>
American National Government .....	3
American History .....	3
<b>Cultural and Language Analysis</b> .....	<b>3-4</b>
• Second Language.....	4
OR	
Cultural Analysis.....	3
<b>Social and Behavioral Analysis</b> .....	<b>3</b>
<b>Life Skills</b> .....	<b>5</b>
Required Health Course.....	2
Elective Life Skills.....	3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

<b>Strategic Communications - Organizational Communication</b> .....	<b>48-56</b>
<b>Required Courses</b> .....	<b>42</b>
MCOM 1173 Strategic Communications Writing	
MCOM 2033 Media Production	
MCOM 2063 Introduction to Brand Communications/Advertising	
MCOM 2153 Introduction to Organizational Communication	
MCOM 2193 Principles of Public Relations	
MCOM 3093 Presentation Techniques	
MCOM 3333 Specialized Publications	
MCOM 3393 Leading Groups and Building Teams in Organizations	
MCOM 3493 Media Research	
MCOM 3633 Conflict and Negotiation in Organizations	
MCOM 3653 Digital and Social Communications	
MCOM 4013 Corporate Training and Consulting	
MCOM 4113 Organizational Communication Capstone	
MCOM 4403 Interviewing and Career Management Strategies	

<b>Elective Courses</b> .....	<b>6</b>
Select from the following:	
MCOM 2623 Communication Theory	
MCOM 3053 Persuasion and Social Influence	
MCOM 3103 Strategic Communications Case Studies	
MCOM 3163 Public Information Methods	
MCOM 3173 Women’s Rhetoric	
MCOM 3423 Communication and Gender	
MCOM 3523 Leadership Communication	
MCOM 3563 Organizational Innovation	
MCOM 3643 Communication in the Professions	
MCOM 3893 Strategic Communications Planning	
MCOM 4433 Victims and the Media	
MCOM 4533 Health Communication and Promotion	
Any MCOM Course	

Frequently, students attempt to take upper division courses in other Mass Communication majors, but lack the prerequisite gateway course. The following are “gateway” courses which may be taken as electives:

MCOM 1123	Basic Photography
MCOM 2053	Introduction to Human Communication
MCOM 2073	Introduction to Media Studies

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Strategic Communications - Organizational Communication shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

- Average in all college course work and course work at UCO. .... 2.00**
- Average in major courses..... 2.50**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program:	<b>Strategic Communications</b>	Dept:	Mass Communication
Major:	<b>Strategic Communications - Strategic Communications</b>	College:	Liberal Arts
Degree:	Bachelor of Arts (B.A.)	Major Code:	5340

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Strategic Communications - Strategic Communications** ..... 51-59

**Required Courses**..... 42

- MCOM 1173 Strategic Communications Writing
- MCOM 2033 Media Production
- MCOM 2063 Introduction to Brand Communications/Advertising
- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations
- MCOM 3103 Strategic Communications Case Studies
- MCOM 3163 Public Information Methods
- MCOM 3333 Specialized Publications
- MCOM 3493 Media Research
- MCOM 3653 Digital and Social Communications
- MCOM 3893 Strategic Communications Planning
- MCOM 4423 Media Ethics
- MCOM 4563 Media Law
- MCOM 4883 Strategic Communications Campaigns

**Elective Courses** ..... 9

Select from the following:

- MCOM 3093 Presentation Techniques
- MCOM 3283 Advertising Design
- MCOM 3313 History of Journalism
- MCOM 3393 Leading Groups and Building Teams in Organizations
- MCOM 3443 Media Mix Analysis
- MCOM 3553 Crisis Principles & Cases
- MCOM 3563 Organizational Innovation
- MCOM 3633 Conflict and Negotiation in Organizations
- MCOM 3853 Crisis Communications Writing
- MCOM 4013 Corporate Training and Consulting
- MCOM 4053 Crisis & Media Relations
- MCOM 4063 Feature Writing
- MCOM 4113 Organizational Communication Capstone
- MCOM 4353 Crisis Planning & Campaigns
- MCOM 4403 Interviewing and Career Management Strategies
- MCOM 4433 Victims and the Media

- MCOM 4533 Health Communication and Promotion
- MCOM 4950 Internship in Mass Communication (1-4 hours)
- Any MCOM Course

Frequently, students attempt to take upper division courses in other Mass Communication majors, but lack the prerequisite gateway course. The following are “gateway” courses which may be taken as electives:

- MCOM 1123 Basic Photography
- MCOM 2053 Introduction to Human Communication
- MCOM 2073 Introduction to Media Studies

**Modern Language Requirement**..... 0-8

All students completing a B.A. in Strategic Communications shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses ..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Technical Writing**  
 Major: **Technical Writing**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **English**  
 College: **Liberal Arts**  
 Major Code: **5350**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Technical Writing.....54-62**

**Literature..... 18**

Required courses:

- ENG 2303 English Cornerstone
- ENG 2543 English Literature to 1800
- ENG 2653 English Literature since 1800
- ENG 2773 American Literature to 1865
- ENG 2883 American Literature since 1865
- ENG 3193 World Literature I **OR**
- ENG 3213 World Literature II

**Language and Rhetoric ..... 15**

Required courses:

- ENG 4023 Technical Writing
- ENG 4283 English Grammar and Usage
- ENG 4473 Advanced Composition
- ENG 4553 History of Rhetoric to 1700 **OR**
- ENG 4653 History of Rhetoric since 1700
- ENG 4893 English Capstone

**English Electives (3000/4000 level)..... 21**

Select from the following:

- ENG 4063 Advanced Technical Writing
- ENG 4193 Technical Editing
- ENG 4213 Document Design
- ENG 4611 Research & Writing
- ENG 4643 Grant Writing
- ENG 4723 Composition Pedagogies
- ENG 4753 Publishing and Editing
- ENG 4783 History of Scientific Rhetoric
- ENG 4950 Internship in English

**Modern Language Requirement.....0-8**

All students completing a B.A. in Technical Writing shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Women’s, Gender, and Sexuality Studies**  
 Major: **Women’s, Gender, and Sexuality Studies**  
 Degree: **Bachelor of Arts (B.A.)**

Dept: **History**  
 College: **Liberal Arts**  
 Major Code: **5150**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

• Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Major Requirements**

**Women’s, Gender, and Sexuality Studies .....57-65**

**Foundations and Methods Courses ..... 6**

Required courses:

- HIST 2313 Introduction to Gender Studies
- HIST 3263 Intersectionality and Feminist Methodologies

**Gender and the Body Course..... 3**

Selected from the following courses:

- GEO 3523 Gendered Geographies
- HIST 4283 History of Sex in the Americas
- PHIL 4323 Rights and Reproduction

**Service Learning and Civic Engagement..... 9**

- HIST 4900 Practicum (3 hours)
- HIST 4950 Internship (6 hours)

**Capstone Course ..... 3**

- HIST 4693 Women’s, Gender, and Sexuality Studies Capstone

**Elective Women’s, Gender and Sexuality Studies..... 36**

Select no more than 9 hours from each of the four following categories:

1. Women’s/Gender History
  - HIST 3123 Race, Class and Gender in U.S. History
  - HIST 3233 U.S. Women’s History
  - HIST 3423 Women’s History: European
  - HIST 4353 Women’s History: International
  - HIST 4413 Women/Gender in Native America
  - HIST 4423 Women in the American West
2. Women’s/Gender Issues
  - ART 4363 Art by Women
  - FRCH 3243 History of French Feminism
  - HIST 3243 History of French Feminism
  - PHIL 4203 Women and Values
  - POL 3813 Women and Politics
  - SOC 4523 Sociology of Gender
3. Representation/Media
  - MCOM 3233 Gender, Race, Class, and Media
  - MCOM 3423 Communication and Gender
  - MCOM 3833 Masculinity in the Media
  - MCOM 4623 Gays and Lesbians in Film and Media

4. Sexuality
  - ENG 3723 Lesbian and Gay Literature
  - FMCD 2313 Sexuality through the Lifespan
  - SOC 2113 Human Sexuality

When approved by the Director of Women’s, Gender, and Sexuality Studies, other 3000/4000 level courses may count towards the major.

**Modern Language Requirement..... 0-8**

All students completing a B.A. in Women’s, Gender, and Sexuality Studies shall complete the first two semesters of a second language. Students may alternatively fulfill the language requirement by proof of academic work in the second language (CLEP test through LANG 1224), four years of high school language courses, or transfer work from another institution.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO. .... 2.00
2. Average in major courses..... 2.50

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



# *College of Liberal Arts Minors*

A minor is an optional component of a student’s degree (unless otherwise stated) that, upon graduation, will be reflected on the student’s transcript. A student may earn a minor or multiple minors in the same program, provided the minor differ at the major level. Minors may not be earned independently of a bachelor’s degree granted by the University of Central Oklahoma. Minors may not be earned as a part of an associate degree. Minors do not appear on diplomas.

## Minimum Requirements for Minors

**Minimums for minors** unless otherwise specified:

<b>Total Hours</b> .....	<b>18</b>
<b>Upper Division Hours (3/4000 level)</b> .....	<b>6</b>
<b>Residency Hours</b> .....	<b>6</b>
<b>GPA</b> .....	<b>2.00</b>

### Communication

**Communication - Interpersonal Communication..... 18**  
 Minor Code: 5328

- Required courses..... 9
  - MCOM 2053 Introduction to Human Communication
  - MCOM 2623 Communication Theory
  - MCOM 3073 Relational Communication

Elective courses ..... 9

Select from the following:

- MCOM 3083 Intercultural Communication
- MCOM 3113 Nonverbal Communication
- MCOM 3373 Group & Team Communication
- MCOM 3453 Couples Communication
- MCOM 3483 The Dark Side of Relationships
- MCOM 3573 Intergenerational Communication
- MCOM 4233 Family Communication
- MCOM 4673 Sibling Communication
- MCOM 4823 Mediation

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

**Communication - Media Studies ..... 18**

Minor Code: 5329

- Required courses..... 6
  - MCOM 2073 Introduction to Media Studies
  - MCOM 3233 Gender, Race, Class and Media

Elective courses ..... 12

Select from the following:

- MCOM 1103 Introduction to Mass Communication
- MCOM 3053 Persuasion and Social Influence
- MCOM 3173 Women’s Rhetoric
- MCOM 3183 Political Communication
- MCOM 3323 Mass Media Effects on Society
- MCOM 3833 Masculinity in the Media
- MCOM 3843 Street Gangs and the Media
- MCOM 4313 Women in Media
- MCOM 4433 Victims and the Media
- MCOM 4623 Gays & Lesbians in Film/Media

- MCOM 4633 Race, Violence, Youth & Media
- POL 4263 The Media and Politics

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

### Criminal Justice

**Criminal Justice ..... 18**

Minor Code: 5298

- Required course: ..... 3
  - CJ 1413 Introduction to the Criminal Justice System
- Elective Criminal Justice ..... 15

**Minimum GPA..... 2.50**

### English

**English - Creative Writing ..... 18**

Minor Code: 5057

- Required courses..... 3
  - CSDY 2513 Introduction to Creative Writing
- Electives: Creative Studies ..... 9
  - (at least 6 hours at the 3000/4000 level)
- Electives: English..... 6
  - (excluding 1000-level courses)

**Minimum GPA..... 2.50**

**English..... 18**

Minor Code: 5059

- Literature courses..... 6
  - Select from the following:
  - ENG 2543 English Literature to 1800
  - ENG 2653 English Literature since 1800
  - ENG 2773 American Literature to 1865
  - ENG 2883 American Literature since 1865
  - ENG 3013 Shakespeare **OR**
  - ENG 3033 Shakespeare
  - ENG 3193 World Literature I
  - ENG 3213 World Literature II

Writing course..... 3

Select from the following:

- CSDY 2513 Introduction to Creative Writing
- ENG 4023 Technical Writing
- ENG 4473 Advanced Composition

Language course ..... 3

Select from the following:

- ENG 4283 English Grammar and Usage
- ENG 4323 History of the English Language
- ENG 4343 Linguistics

Elective English ..... 6  
 Any 3000/4000 ENG course

**Minimum GPA..... 2.50**

# College of Liberal Arts Minors - continued

## Geography

**Geography** .....18-19

Minor Code: 5119

Required courses ..... 6-7

- GEO 1204 Physical Geography with Lab **OR**
- GEO 1403 Human Geography
- GEO 2303 Regional Geography of the World

Elective Geography..... 12

**Minimum GPA**..... 2.50

## History

**History**..... 18

Minor Code: 5139

Required courses..... 6

- HIST 1483 History of the United States to 1877 **OR**
- HIST 1493 History of the United States since 1877
- HIST 1103 Early Western Civilization to 1350 **OR**
- HIST 1203 Europe from the Renaissance to Waterloo **OR**
- HIST 1263 Modern Europe

Elective Advanced History (3/4000 level)..... 12

**Minimum GPA**..... 2.50

## Humanities

**Humanities**..... 18

Minor Code: 5199

Required courses..... 6

- HUM 2113 General Humanities, Ancient Through Medieval
- HUM 2223 General Humanities, Renaissance Through Modern

History of Humanities..... 3

Select three (3) hours of the following:

- HUM 3013 Bronze Age Humanities
- HUM 3033 Medieval Humanities
- HUM 3043 Renaissance and Baroque Humanities
- HUM 3053 19th and 20th Century Humanities
- HUM 3063 American Humanities
- HUM 3133 Ancient Greek Culture
- HUM 3233 Ancient Roman Culture
- HUM 3423 Enlightenment Humanities

Electives in Humanities ..... 9

**Minimum GPA**..... 2.50

## Leadership

**Leadership** ..... 18

Minor Code: 5597

Required courses..... 12

- LEAD 2213 Theories of Leadership
- LEAD 3313 Leadership and Civic Engagement
- LEAD 4213 Leadership and Ethics **OR**
- POL 4253 Ethics in Public Service **OR**
- MGMT 3133 Business Ethics
- LEAD 4893 Civic Leadership Capstone

Electives..... 6

Select from the following:

- HLTH 3453 Group Dynamics
- LEAD 1321 Lessons in Leadership
- LEAD 1343 Principles and Lessons in Leadership

- LEAD 2000 Topics in Leadership
- LEAD 3000 Workshop in Leadership
- LEAD 3441 Leadership and Social Media
- LEAD 3451 Leadership, Health, and Wellness
- LEAD 3461 Servant Leadership in Action
- LEAD 3471 Contemporary Leadership
- LEAD 3481 Leadership and Cultural Competency
- LEAD 3491 Leadership and Sexual Diversity
- LEAD 3523 Leadership Communication
- LEAD 3533 Women and Leadership
- LEAD 3541 Biblical Women: Leaders to Emulate
- LEAD 3552 Jesus as Leader
- LEAD 3601 Leadership and Feedback
- LEAD 3611 Building Effective Teams
- LEAD 3631 Leadership & Immediacy Behaviors
- LEAD 3723 Measuring & Evaluating Leadership
- LEAD 3731 Leadership and Social Movements
- LEAD 3741 Charismatic Leadership
- LEAD 3753 Creative Problem Solving
- LEAD 3990 Advanced Topics in Leadership
- LEAD 4900 Practicum in Leadership
- LEAD 4910 Seminar in Leadership
- LEAD 4920 Workshop in Leadership
- LEAD 4930 Individual Study in Leadership
- LEAD 4940 Field Study in Leadership
- LEAD 4950 Internship in Leadership
- LEAD 4960 Institute in Leadership
- LEAD 4970 Study Tour in Leadership
- MCOM 2153 Introduction to Organizational Communication
- MCOM 3393 Leading Groups & Building Teams in Organizations
- MCOM 3523 Leadership Communication
- MCOM 3533 Women and Leadership
- MCOM 3633 Conflict & Negotiation in Organizations
- MGMT 4623 The Art of Leadership
- MLSC 2202 Basic Military Science II Fall
- MLSC 2252 Basic Military Science II Spring
- MLSC 4103 Advanced Military Science IV Fall
- MLSC 4113 Advanced Military Science IV Spring
- MUS 4333 Music Leadership and Advocacy
- NURS 4412 Leadership/Management
- AESS 3413 Creativity for Leaders
- AESS 3513 Critical Thinking for Leaders
- AESS 3523 Leadership and Change

Note: Students may count either LEAD 3611 or MCOM 3393 as an elective in the minor but not both.

**Minimum GPA**..... 2.50

## Mass Communication

**Mass Communication - Documentary** ..... 18

Minor Code: 5206

Required courses..... 9

- MCOM 1133 Media Writing
- MCOM 2033 Media Production
- MCOM 3363 Documentary

Elective courses ..... 9

- MCOM 3013 Non-Linear Editing
- MCOM 3403 Corporate Video Production
- MCOM 3753 Nonfiction Cinematography

## *College of Liberal Arts Minors - continued*

- CONTINUED FROM PREVIOUS PAGE -

MCOM 4023	Nonfiction Sound Design	
MCOM 4323	Social Documentation	
MCOM 4413	TV Documentary Production	
MCOM 4593	Advanced Documentary	
<b>Minimum GPA.....</b>		<b>2.50</b>

### **Mass Communication - Mass Communication ..... 18**

Minor Code: 5017

Required courses.....	6
MCOM 1103	Introduction to Mass Communication <b>AND</b>
One course from the following courses:	
MCOM 1123	Basic Photography
MCOM 2053	Introduction to Human Communication
MCOM 2063	Introduction to Brand Communications/Advertising
MCOM 2073	Introduction to Media Studies
MCOM 2153	Introduction to Organizational Communication
MCOM 2193	Principles of Public Relations
Elective courses .....	12
Any MCOM course (excluding MCOM 1113)	
<b>Minimum GPA.....</b>	<b>2.50</b>

### **Mass Communication - Journalism ..... 18**

Minor Code: 5211

Required courses.....	12
MCOM 1133	Media Writing
MCOM 2213	News Reporting
MCOM 3143	Editing
MCOM 4563	Media Law
Elective courses .....	6
Select any MCOM course	
<b>Minimum GPA.....</b>	<b>2.50</b>

## **Modern Languages**

### **Modern Languages - Chinese ..... 18**

Minor Code: 5234

Required courses.....	12
CHIN 1114	Elementary Chinese I
CHIN 1224	Elementary Chinese II
CHIN 2000	Topics in Chinese (4 hours)
Electives .....	6
Select from the following:	
GEO 4613	World Geopolitical Hot Spots: Asia
HIST 4443	History of Cold War in Asia
HIST 4743	Modern China and Japan
POL 4023	Chinese Politics
Or other courses approved by the Modern Languages Dept Chair	

**Minimum GPA..... 2.75**

### **Modern Languages - French ..... 18**

Minor Code: 5239

Required course:	
FRCH 2113	Intermediate French I..... 3
Elective French .....	15

**Minimum GPA..... 2.50**

### **Modern Languages - German..... 18**

Minor Code: 5238

Required course:

GERM 2113 Intermediate German I..... 3

Elective German..... 15

**Minimum GPA..... 2.50**

### **Modern Languages - Spanish ..... 18**

Minor Code: 5237

Required course:

SPAN 2113 Intermediate Spanish I..... 3

Elective Spanish..... 15

**Minimum GPA..... 2.50**

## **Philosophy**

### **Philosophy ..... 18**

Minor Code: 5198

Select from the following..... 6

PHIL 1103 Logic and Critical Thinking

PHIL 1113 Introduction to Philosophy

PHIL 2073 Social and Political Philosophy

History of Philosophy..... 6

Selected from the following:

PHIL 2153 Ancient Philosophy

PHIL 2173 Medieval Philosophy

PHIL 3133 Modern Philosophy

PHIL 3153 American Philosophic Thought

PHIL 3163 Contemporary Philosophy

PHIL 3173 19th Century Philosophy

Elective Philosophy..... 6

Any 3000/4000 level PHIL course

**Minimum GPA..... 2.50**

### **Philosophy - Classical Studies-Greek..... 18**

Minor code: 5196

Required courses..... 6

GRK 1113 Biblical Greek I

GRK 1223 Biblical Greek II

Elective courses..... 12

Six hours must be upper division (3000/4000) courses.

Selected from the following:

ENG 3053 Greek Drama in English Translation

ENG 3393 Mythology

ENG 4423 Studies in the Classical Epic

GRK 2113 Greek New Testament Readings

HIST 4783 History of Ancient Greece

HIST 4793 History of Ancient Rome

HUM 3013 Bronze Age Humanities

HUM 3133 Ancient Greek Culture

HUM 3233 Ancient Roman Culture

HUM 3303 Early Christian Humanities

LATN 1114 Elementary Latin I

LATN 1224 Elementary Latin II

LATN 2113 Intermediate Latin

PHIL 2153 Ancient Philosophy

POL 4453 Ancient and Medieval Political Thought

**Minimum GPA..... 2.50**

## *College of Liberal Arts Minors - continued*

### **Philosophy - Classical Studies-Latin ..... 20**

Minor Code: 5197

Required courses ..... 8

LATN 1114 Elementary Latin I

LATN 1224 Elementary Latin II

Elective courses ..... 12

Six hours must be upper division (3000-4000) courses

Selected from the following:

ENG 3053 Greek Drama in English Translation

ENG 3393 Mythology

ENG 4423 Studies in the Classical Epic

GRK 1113 Biblical Greek I

GRK 1223 Biblical Greek II

GRK 2113 Greek New Testament Readings

HIST 4783 History of Ancient Greece

HIST 4793 History of Ancient Rome

HUM 3013 Bronze Age Humanities

HUM 3133 Ancient Greek Culture

HUM 3233 Ancient Roman Culture

HUM 3303 Early Christian Humanities

LATN 2113 Intermediate Latin

PHIL 2153 Ancient Philosophy

PHIL 2173 Medieval Philosophy

POL 4453 Ancient and Medieval Political Thought

**Minimum GPA..... 2.50**

### **Photographic Arts**

### **Photographic Arts ..... 18**

Minor Code: 5339

Required courses ..... 12

MCOM 1123 Basic Photography

MCOM 2223 Darkroom Photography

MCOM 3133 Color Photography

MCOM 3293 Photographic Lighting

Elective courses ..... 6

Selected from the following:

MCOM 2543 Digital Photography

MCOM 2743 Photojournalism

MCOM 3703 Conceptual Photography

MCOM 4303 Large Format Photography

MCOM 4323 Social Documentation

MCOM 4513 Advanced Commercial Photography

MCOM 4543 Portrait and Wedding Photography

MCOM 4950 Internship in Mass Communication (1-4 hours)

When approved by the Department Chair, Advanced Topics (3990),

Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

### **Political Science**

### **Political Science - General ..... 18**

Minor Code: 5279

Required courses ..... 9

POL 1303 Contemporary Political Issues

POL 2303 Introduction to World Politics

POL 4643 Survey of American Political Thought

Elective Political Science ..... 9

**Minimum GPA..... 2.50**

### **Political Science - International Relations..... 18**

Minor Code: 5277

Required courses ..... 9

POL 2303 Introduction to World Politics

POL 2713 Introduction to Comparative Politics

POL 4543 International Cooperation

Elective Political Science ..... 9

Select from the following:

POL 3263 International Law

POL 4023 Chinese Politics

POL 4303 European Politics

POL 4403 Asian Politics

POL 4623 International Conflict

POL 4633 Politics &amp; the World Economy

POL 4733 American Foreign Policy

POL 4783 Political Violence

With prior approval by the Department Chair, Advanced Topics (3990), Seminars (4910), Directed Readings (4920), and Individual Studies (4930), may be taken as electives.

**Minimum GPA..... 2.50**

### **Political Science - Pre-Law ..... 18**

Minor Code: 5276

PHIL 1103 Logic and Critical Thinking

POL 2203 Introduction to Law

POL 3103 Constitutional Law - Organization and Powers of National Government **OR**POL 3203 Civil Liberties and the Courts **OR**POL 3263 International Law **OR**POL 3343 Administrative Law **OR**

POL 3613 Constitution and Criminal Procedures

POL 4133 Judicial Process

ENG 4473 Advanced Composition

POL 4643 Survey of American Political Thought

**Minimum GPA..... 2.50**

### **Political Science - Public Administration..... 18**

Minor Code: 5275

Required courses ..... 9

POL 1113 American National Government

POL 1203 State and Local Government

POL 2413 Introduction to Public Administration

Elective Political Science ..... 9

**Minimum GPA..... 2.50**

### **Sociology**

### **Sociology ..... 18**

Minor Code: 5319

Required courses ..... 9

SOC 2103 Sociology

SOC 2203 Social Problems

SOC 4403 Social Ecology and Demography

Elective Sociology ..... 9

**Minimum GPA..... 2.50**

## *College of Liberal Arts Minors - continued*

### **Sociology - Substance Abuse Studies..... 18**

Minor Code: 5318

Required courses..... 15

- SOC 2103 Sociology
- SAS 2603 Introduction to Substance Abuse Studies
- SAS 3123 The Addictive Process
- SAS 4323 Dual Diagnosis
- SAS 4273 Substance Abuse and the Family **OR**
- SAS 4313 Codependency

Elective Substance Abuse Studies ..... 3

Choose one of the following

- SAS 3023 Counseling Skills in Substance Abuse
- SAS 4303 Substance Abuse in Special Populations
- SAS 4343 Prevention and Education in Substance Abuse

**Minimum GPA..... 2.50**

### **Strategic Communications**

### **Strategic Comm - Organizational Communication ..... 18**

Minor Code: 5347

Required courses..... 6

- MCOM 2153 Introduction to Organizational Communication
- MCOM 3093 Presentation Techniques

Elective courses ..... 12

Select from the following:

- MCOM 2623 Communication Theory
- MCOM 3393 Leading Groups and Building Teams in Organizations
- MCOM 3523 Leadership Communication
- MCOM 3533 Women and Leadership
- MCOM 3633 Conflict and Negotiation in Organizations
- MCOM 3643 Communication in the Professions
- MCOM 4013 Corporate Training and Consulting
- MCOM 4403 Interviewing and Career Management Strategies
- MCOM 4533 Health Communication and Promotion

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

### **Strategic Communications - Public Relations..... 18**

Minor Code: 5348

Required courses..... 12

- MCOM 1173 Strategic Communications Writing
- MCOM 2063 Introduction to Brand Communications/Advertising
- MCOM 2193 Principles of Public Relations
- MCOM 3163 Public Information Methods

Elective courses ..... 6

Selected from the following:

- MCOM 1123 Basic Photography
- MCOM 2033 Media Production
- MCOM 2153 Introduction to Organizational Communication
- MCOM 3103 Strategic Communications Case Studies
- MCOM 3333 Specialized Publications
- MCOM 3493 Media Research
- MCOM 3653 Digital and Social Communications
- MCOM 4063 Feature Writing

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

### **Strategic Communications - Strategic Communications ... 18**

Minor Code: 5349

Required courses..... 15

- MCOM 1173 Strategic Communications Writing
- MCOM 2063 Introduction to Brand Communications/Advertising
- MCOM 2193 Principles of Public Relations
- MCOM 3103 Strategic Communications Case Studies
- MCOM 3893 Strategic Communications Planning

Elective courses ..... 3

Selected from the following:

- MCOM 1123 Basic Photography
- MCOM 3163 Public Information Methods
- MCOM 3283 Advertising Design
- MCOM 3333 Specialized Publications
- MCOM 3443 Media Mix Analysis
- MCOM 3493 Media Research
- MCOM 3653 Digital & Social Communications
- MCOM 4503 Advanced Publication Design

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

### **Technical Writing**

### **Technical Writing..... 18**

Minor Code: 5359

Required courses..... 18

- ENG 4023 Technical Writing
- ENG 4063 Advanced Technical Writing
- ENG 4193 Technical Editing
- ENG 4213 Document Design
- ENG 4283 English Grammar and Usage
- ENG 4783 History of Scientific Rhetoric

**Minimum GPA..... 2.00**

# *Interdisciplinary Minors*

## Policy on Interdisciplinary Minors

A minor is an optional component of a student's degree (unless otherwise stated) that, upon graduation, will be reflected on the student's transcript. An interdisciplinary minor consists of no more than nine hours from any single prefix area (e.g. HIST, ECON, HLTH). Additionally, the courses applied to an interdisciplinary minor must be from a minimum of two academic departments. An undergraduate student, regardless of major, may pursue an interdisciplinary minor from the approved list in the undergraduate catalog. Interdisciplinary minors may not be earned independently of a bachelor's degree granted by the University of Central Oklahoma. Interdisciplinary minors may not be earned as a part of an associate degree. Minors do not appear on diplomas.

### Minimums for minors unless otherwise specified:

<b>Total Hours</b> .....	<b>18</b>
<b>Upper Division Hours (3/4000 level)</b> .....	<b>6</b>
<b>Residency Hours</b> .....	<b>6</b>
<b>GPA</b> .....	<b>2.00</b>

## Asian Studies

### Asian Studies ..... 18

Minor Code: 5568

Required courses:..... 6

HIST	1273	East Asian Civilization to 1500 <b>OR</b>
HIST	1283	East Asian Civilization since 1500 <b>OR</b>
HUM	2423	Non-Western Humanities
POL	4403	Asian Politics

Elective courses ..... 12

Select no more than 2 courses from any subject:

ART	3553	Art of Asia
ART	3573	Islamic Art and Architecture

CHIN	1114	Elementary Chinese I
CHIN	1224	Elementary Chinese II

ENG	4053	Vietnam War Film and Literature
ENG	4693	Films of Akira Kurosawa
ENG	4703	Kung Fu Films and Literature

GEO	3183	Geography of South Asia
GEO	3303	Geography of Russia and Central Asia
GEO	4613	World Geopolitical Hot Spots

HIST	4443	History of Cold War in Asia
HIST	4453	Women's History: China
HIST	4463	U.S.-East Asian Relations-20th Century
HIST	4713	Modern Middle East
HIST	4743	Modern China and Japan
HIST	4863	The History of Modern Southeast Asia

JAPN	1114	Elementary Japanese I
JAPN	1224	Elementary Japanese II

KOR	1114	Elementary Korean I
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MUS	2243	World Music
MUS	2443	History of Video Game Music

PHED	1251	Introduction to Aikido
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POL	3713	China in the World
POL	3813	Women and Politics
POL	4023	Chinese Politics

When approved by the Minor Director, Advanced Topics (3990), Seminars (4910), and Institutes (4960), Study Tour (4970), and Field Study (4940) may be taken as electives. No more than 6 hours from one subject may be counted toward the electives. No more than 4 hours of Language credit may count toward electives.

### Minimum GPA..... 2.50

Minor Director: Dr. Youngtae Shin  
Department of Political Science

## Chinese Studies

### Chinese Studies..... 18

Minor Code: 5575

Required courses..... 3

Select three (3) hours from the following:

HIST	1273	East Asian Civilization to 1500 <b>OR</b>
HIST	1283	East Asian Civilization from 1500

Elective courses ..... 15

Select 15 hours, with no more than two courses from the same prefix:

ART	3553	Art of Asia
CHIN	1114	Elementary Chinese I
CHIN	1224	Elementary Chinese II
CHIN	2000	Topics in Chinese
CHIN	4970	Study Tour in Chinese
ENG	4703	Kung Fu Films & Literature
GEO	4613	World Geopolitical Hot Spots
HIST	4443	History of Cold War in Asia
HIST	4453	Women's History: China
HIST	4463	U.S. East Asia Relations - 20th Century
HIST	4743	Modern China and Japan
HIST	4863	History of Modern Southeast Asia
IB	3463	Business of Asia Pacific
POL	3713	China in the World
POL	4023	Chinese Politics
POL	4403	Asian Politics

### Minimum GPA..... 2.50

Minor Director: Dr. Xiao-Bing Li  
Department of History and Geography

## Film Studies

### Film Studies..... 18

Minor Code: 5570

Required courses..... 6

ENG	2223	Introduction to Film Studies
HUM	4083	Film Criticism

Elective courses ..... 12

Selected from the following with no more than six hours from any one course prefix.

ENG	3243	Women in Film
ENG	4053	Vietnam War Film & Literature
ENG	4543	Film as Literature
ENG	4533	Genres in Film
ENG	4603	Major Figures in American Film
ENG	4693	Films of Akira Kurosawa
ENG	4833	Cyberpunk Film and Literature

# *Interdisciplinary Minors - continued*

- CONTINUED FROM PREVIOUS PAGE -

- ENG 4873 Indigenous Cinema
- HUM 3903 History of Film I
- HUM 3913 History of Film II
- HUM 4303 National Cinemas
- MCOM 4623 Gays and Lesbians in Film/Media

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

Minor Director: Dr. John Springer  
Department of English

## Global Studies

**Global Studies..... 18**

Minor Code: 5278

Required courses..... 9

- POL 2303 Introduction to World Politics
- GEO 4613 World Geopolitical Hot Spots
- POL 4633 Politics and the World Economy **OR**
- POL 4543 International Cooperation

Elective I..... 3-6

Selected from the following:

- POL 2713 Introduction to Comparative Politics
- POL 3263 International Law
- POL 4623 International Conflict
- HIST 1023 World History II
- HIST 1263 Modern Europe
- HIST 4743 Modern China and Japan
- HIST 4863 History of Modern Southeast Asia

Electives II..... 3-6

Selected from the following:

- SOC 2413 Cultural Anthropology
- HUM 2423 Non-Western Humanities
- HUM 3053 19th and 20th Century Humanities
- ENG 3213 World Literature II
- HUM 4113 World Religions

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), Institutes (4960), Study Tours (4970), and other courses with a strong global component may be taken as electives.

**Minimum GPA..... 2.50**

Minor Director: Dr. Louis Furmanski  
Department of Political Science

## Indigenous Studies

**Indigenous Studies..... 18**

Minor Code: 5563

Required courses..... 3

- GEO 2323 Intro to Indigenous Studies

Elective courses:..... 15

Select no more than 9 hours from any one course prefix:

- ENG 4463 Indigenous Literature I
- ENG 4493 Indigenous Literature II
- ENG 4813 Indigenous Youth Literature
- ENG 4873 Indigenous Cinema
- GEO 4133 American Indian Geographies
- HIST 2033 American Indian History
- HIST 4233 Maya, Aztec, and Inca Civilizations
- HIST 4303 Indians of the Southwest

- HIST 4413 Women/Gender in Native America
- HUM 3073 Native American Humanities
- MUS 2423 Native American Music
- ART 4053 Native American Art
- MCOM 3083 Intercultural Communication

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960), may be taken as electives.

**Minimum GPA..... 2.50**

Minor Director: Dr. Natalie Panther  
Department of History and Geography

## Race and Ethnic Studies

**Race and Ethnic Studies..... 18**

Minor Code: 5565

Required Course..... 3

- SOC 3203 Minorities in American Society

Elective Core..... 6

Select no more than three hours from each numbered category:

1. ENG 2693 A Survey of Black American Fiction
- HIST 4753 Atlantic Slavery
- HIST 4763 Black Intellectual History
2. ENG 4493 Indigenous Literature II
- HIST 2033 American Indian History
- GEO 4133 American Indian Geography
- HIST 4303 Indians of the Southwest
- HUM 3073 Native American Humanities

3. HIST 4743 Modern China and Japan
- POL 4403 Asian Politics

4. ENG 4823 Ethnic American Literature
- HUM 4113 World Religions
- PHIL 2073 Social and Political Philosophy
- POL 4823 Religion and Politics

OR other approved courses.

Guided Electives..... 9

Select from the following:

- MCOM 3083, ECON 4303, ECON 4353, ENG 2693, ENG 2713, ENG 4493, ENG 4453, ENG 4823, FMCD 2213, FMCD 3093, FMCD 3243, FACS 3633, FACS 4453, FACS 4513, HIST 2033, HIST 4303, HIST 4513, HIST 4743, HIST 4753, HIST 4763, HIST 4863, HUM 3073, HUM 4113, MGMT 4263, NTRN 1513, AESS 4333, PHIL 1103, PHIL 2073, POL 3583, POL 4023, POL 4403, PSY 1203, SOC 2303, SOC 3403, PTE 3133, PTE 3153, TESL 4113, TESL 4123

**Minimum GPA..... 2.50**

Minor Director: Dr. Marc Goulding  
Department of History and Geography

## Religious Studies

**Religious Studies..... 18**

Minor Code: 5571

Required Course..... 3

- HUM 2103 Introduction to Religious Studies

Elective Courses..... 15

Select from the following:

- ENG 3373 Literary Study New Testament
- ENG 3393 Mythology

# *Interdisciplinary Minors - continued*

- CONTINUED FROM PREVIOUS PAGE -

- ENG 3413 Literary Study Old Testament
- HIST 4883 The Reformation, 1500-1648
- HUM 3113 Old Testament Humanities
- HUM 3123 New Testament Humanities
- HUM 4113 World Religions
- PHIL 3103 Ethical Theory
- PHIL 3143 Philosophy of Religion
- POL 4823 Religion and Politics
- SOC 3573 Sociology of Religion

OR other approved courses.

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

Minor Director: Dr. Stephen Law  
Department of Humanities and Philosophy

## Russian Studies

**Russian Studies..... 18**

Minor Code: 5567

Required Courses ..... 9

Via interactive television from ECU (East Central University)

- RUSS 1113 Elementary Russian I
- RUSS 1223 Elementary Russian II
- RUSS 2113 Intermediate Russian

Elective Courses..... 9

Selected from the following:

- GEO 3303 Geography of Russia and Central Asia
- HIST 4103 Europe, 1919 to 1945
- HIST 4213 American Diplomatic History - 20th Century
- HIST 4333 Russian History to 1917
- HIST 4343 Russian History since 1917

Any 3000/4000 level course with 50% Russian content and approval of Minor Director.

Minor Director: Dr. Erik Huneke  
Department of History and Geography

## Sustainability Studies

**Sustainability Studies..... 18**

Minor Code: 5574

Required Courses ..... 3

- HIST 2413 Introduction to Sustainability Studies

Electives ..... 15

Select no more than 6 hours from any one prefix:

- ENG 2633 Literature and the Environment
- GEO 3703 Environmental Conservation
- GEO 4113 Geographic Information Systems
- GEO 4603 Urban Geography
- GEO 4733 Advanced GIS: Urban/Social
- GEO 4743 Advanced GIS: Environmental
- HIST 3253 History of the American City
- HIST 3723 American Environmental History
- HIST 3743 Global Environmental History
- HIST 3833 History of Oil

- LEAD 2213 Theories of Leadership
- LEAD 3313 Leadership and Civic Engagement
- POL 3583 Urban Government and Policy
- POL 4363 Urban Sustainability
- POL 4423 Environmental Politics
- POL 4353 Sustainable Economic Development
- SOC 4403 Social Ecology and Demography

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

**Minimum GPA..... 2.50**

Minor Director: Dr. Katrina Lacher  
Department of History and Geography

## Women's, Gender and Sexuality Studies

**Women's, Gender and Sexuality Studies ..... 18**

Minor Code: 5564

Required course ..... 3

- HIST 2313 Introduction to Women/Gender/Sexuality

Electives ..... 15

Select no more than six hours from each numbered category

1. Women's/Gender History

- HIST 3123 Race, Class, Gender
- HIST 3233 U.S. Women's History
- HIST 3423 Women's History: European
- HIST 4283 History of Sex in the Americas
- HIST 4353 Women's History: International
- HIST 4413 Women/Gender in Native America
- HIST 4423 Women in American West

2. Women's/Gender Issues

- ART 4363 Art by Women
- GEO 3523 Gendered Geographies
- PHIL 4203 Women and Values
- POL 3813 Women and Politics
- SOC 4523 Sociology of Gender

3. Representation/Media

- MCOM 3233 Gender, Race, Class, and Media
- MCOM 3423 Communication and Gender
- MCOM 3843 Masculinity in the Media
- MCOM 4623 Gays and Lesbians in Film/Media

4. Sexuality

- ENG 3723 Lesbian and Gay Literature
- FMCD 2313 Sexuality through the Lifespan
- SOC 2113 Human Sexuality

Or, when approved by the Director of the Gender and Sexuality Studies Minor, other pertinent 3000/4000 level courses may count toward minor.

**Minimum GPA..... 2.50**

Minor Director: Dr. Lindsey Churchill  
Department of History and Geography



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# *Non-Degree Program*

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## **International Studies Program (Interdisciplinary)**

The International Studies program is a unique concept among the University's academic programs. It is not a departmental major which leads to a degree, but is an interdisciplinary program intended to complement a major and can be taken in conjunction with any degree program. It includes courses having international content which are offered by various departments--history, political science, geography, foreign languages, economics, humanities, business, education and others.

The International Studies Program is designed for students who wish to learn about foreign countries and cultures, as well as relations among nations. The program is especially helpful to students who wish to apply the skills learned in their degree majors in a foreign setting.

### **Plan of Study**

A student's plan of study includes 24 to 30 hours of courses, taken in at least three departments, and is individually tailored to the specific interests of the student. A program can be focused in any area of international interest, for example, Latin American Studies, Problems of Developing Countries, International Politics, International Business, and others. Courses are selected by the student in consultation with a committee of faculty members who have specialized knowledge in the student's area of interest.

The study of foreign language is encouraged but not required.

Courses which are taken as part of the student's major or minor may, if relevant, be counted in the plan of study for the International Studies Program. For most majors, normally no additional course work beyond a bachelor's degree is necessary. Students planning to enter the program are encouraged to do so early in their college careers, preferably no later than the second semester of the junior year.

### **Recognition**

Completion of the program is recognized on the student transcript upon graduation by a statement indicating the area of specialization. For further information contact the program's director.

\* Program Director  
Dr. Jessica Sheetz-Nguyen  
Department of History and Geography  
(405) 974-5356

*College of  
Mathematics and  
Science*

*Academic Degree Programs,  
Minors and Certificate*

Program: **Actuarial Science**  
 Major: **Actuarial Science**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Mathematics and Statistics**  
 College: **Mathematics and Science**  
 Major Code: **6140**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Prerequisite Courses**  
**Prerequisite Courses** ..... 0-6

Required courses:

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Actuarial Science**..... 66

**Mathematics Core**..... 18

Required courses:

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 2753 Technology for Professional Math and Statistics
- MATH 3143 Linear Algebra

**Actuarial Core**..... 12

Required courses:

- # MATH 3133 Theory of Interest 1
- # MATH 4133 Theory of Interest 2
- # MATH 4223 Mathematics of Life Contingencies 1
- # MATH 4233 Mathematics of Life Contingencies 2

**Statistics Core**..... 15

Required courses:

- STAT 2113 Statistical Methods
- # STAT 4113 Mathematical Statistics 1
- \*# STAT 4123 Mathematical Statistics 2
- # STAT 4213 Applied Regression Analysis
- # STAT 4533 Data Mining & Statistical Learning

**Finance and Insurance Electives** ..... 15

Select from the following:

- \* ACCT 2113 Accounting I

**Minimum  
Required Hours**

- \* ECON 2103 Principles of Microeconomics
- \* ECON 2203 Principles of Macroeconomics
- FIN 3523 Foundations of Insurance and Risk Management
- FIN 3553 Property and Liability Insurance for the Firm
- FIN 3563 Fundamentals of Business Finance
- FIN 3613 Life and Health Insurance
- \* FIN 4253 Intermediate Business Finance
- FIN 4213 Investments

**Area of Application** ..... 6

Select from the following:

- MATH 3103 Differential Equations
- MATH 4113 Operations Research 1
- MATH 4123 Operations Research 2
- MATH 4263 Numerical Linear Algebra
- MATH 4363 Applied Numerical Analysis
- MATH 4950 Internship (3 hours)
- STAT 4103 Applied Experimental Design
- STAT 4313 Nonparametric Statistics

\* These courses are accredited by the Society of Actuaries to earn Validation by Educational Experience (VEE) credits.

# These courses will help prepare students for the professional examinations administered by the Society of Actuaries. See the Director of Actuarial Studies in MCS 108 for more details.

**Electives to bring total to**..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Biology**  
 Major: **Biology**  
 Degree: Bachelor of Science (B.S.)

Dept: **Biology**  
 College: **Mathematics and Science**  
 Major Code: **6000**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses ..... 0-6**

Students majoring in Biology are encouraged to complete the following courses in high school.

Two years of high school algebra and one year of Trigonometry **OR**

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry

**Major Requirements**

**Biology ..... 67**

**Biology Core (required of all degree candidates) ..... 26**

Required Courses:

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity
- BIO 2203 Cell Biology
- BIO 2211 Cell Biology Laboratory
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution
- \*BIO 4840 Capstone

**Mathematics ..... 6**

Required courses:

- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences

**Chemistry ..... 15**

Required courses:

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I - Recitation/Lab
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II - Recitation/Lab
- CHEM 3303 Organic Chemistry I **OR**
- CHEM 3013 Organic Chemistry for Life Sciences
- CHEM 3312 Organic Chemistry I Lab **OR**
- CHEM 3022 Organic Chemistry for Life Sciences Lab

**Minimum  
Required Hours**

**Physics ..... 4**

Required course:

- PHY 1114 General Physics I and Lab

**Upper Division Biology Electives**

**(to bring major total to 67)\*\* ..... 16**

- \*\* Any 3000/4000 level UCO BIO course or its equivalent **AND/OR**
- CHEM 3403 Biochemistry I

\*\* At least five courses taken for the B.S. in Biology must be BIO courses with a lab. These courses include the three lab courses required as part of the core: BIO 1225, BIO 2211, and BIO 3054.

\*To enroll in a Capstone Experience, students must complete a minimum of 60 credit hours. This 0 credit hour course is designed to be taken in conjunction with a capstone experience. Capstone experiences may include the following courses or special projects in biology. Special projects include but are not limited to independent research, service learning, professional school applications, or other equivalent experiences as approved by the Capstone Coordinator. Approval of the Capstone Coordinator is required before starting any capstone experience. A reflective writing piece, which must receive a passing score, will be required for all capstones.

- BIO 3000 Workshop in Biology
- BIO 3990 Advanced Topics in Biology
- BIO 4012 Intro to Biological Research
- BIO 4871 Senior Seminar
- BIO 4900 Practicum in Biology
- BIO 4920 Workshop in Biology
- BIO 4930 Individual Study in Biology
- BIO 4950 Internship in Biology
- BIO 4960 Institute in Biology
- BIO 4970 Study Tour in Biology

A maximum of 2 credit hours of the courses listed above, whether taken in conjunction with the capstone experience or not, will apply to the 67 credit hours required in the major except when BIO 4012 is chosen. If BIO 4012 is chosen as the capstone experience, an additional 2 credit hours may be taken.

Program: **Biology**- continued  
 Major: **Biology**  
 Degree: Bachelor of Science (B.S.)

Dept: Biology  
 College: Mathematics and Science  
 Major Code: 6000

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Electives to bring total to..... 124**

General Physics II is a recommended elective.

Graduating seniors must take a national assessment exam in Biology as a graduation requirement for the B.S. in Biology.

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.00
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Biology**  
 Major: **Biology-Biomedical Sciences**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Biology**  
 College: **Mathematics and Science**  
 Major Code: **6001**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses.....0-6**

Students majoring in Biology-Biomedical Sciences are encouraged to complete the following courses in high school.

Two years of high school algebra and one year of Trigonometry **OR**

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry

**Major Requirements**

**Biology-Biomedical Sciences ..... 73**

**Biology Core ..... 20**

Required Courses:

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity
- BIO 2203 Cell Biology
- BIO 2211 Cell Biology Laboratory
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- \*BIO 4840 Capstone

**Mathematics ..... 6**

Required courses:

- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences

**Chemistry..... 15**

Required courses:

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I - Recitation/Lab
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II - Recitation/Lab
- CHEM 3303 Organic Chemistry I **OR**
- CHEM 3013 Organic Chemistry for Life Sciences
- CHEM 3312 Organic Chemistry I Lab **OR**
- CHEM 3022 Organic Chemistry for Life Sciences Lab

**Physics..... 4**

Required course:

- PHY 1114 General Physics I and Lab

**\*\*Guided Electives..... 28**

Selected from the following:

- BIO 3254 Comparative Vertebrate Anatomy and Lab
- BIO 3311 Intro to Genetics Lab Methods
- BIO 3414 Histology and Lab
- BIO 3703 Evolution
- BIO 3803 Mammalian Physiology I
- BIO 3813 Mammalian Physiology II
- BIO 4134 Developmental Biology and Lab
- BIO 4264 Mammalogy & Lab
- BIO 4334 Environmental Microbiology & Lab
- BIO 4343 Molecular Biology Techniques & Lab
- BIO 4414 Virology and Lab
- BIO 4454 Molecular Cell Physiology & Lab
- BIO 4504 Mycology & Lab
- BIO 4515 Pathogenic Micro and Immunology & Lab
- BIO 4622 Methods of Human Dissection & Prosection
- BIO 4743 Population Genetics & Lab
- BIO 4763 Biology of Cancer
- BIO 4774 Parasitology and Lab
- CHEM 3323 Organic Chemistry II
- CHEM 3332 Organic Chemistry II Lab
- CHEM 3403 Biochemistry I
- CHEM 4103 Biochemistry II
- PHY 1214 General Physics II and Lab

\*A maximum of 2 credit hours from the following list of capstone courses may apply toward the 28 credit hours of guided electives.

- BIO 3000 Workshop in Biology
- BIO 3990 Advanced Topics in Biology
- BIO 4012 Intro to Biological Research
- BIO 4871 Senior Seminar
- BIO 4900 Practicum in Biology
- BIO 4920 Workshop in Biology

Program: **Biology**- continued  
 Major: **Biology-Biomedical Sciences**  
 Degree: Bachelor of Science (B.S.)

Dept: Biology  
 College: Mathematics and Science  
 Major Code: 6001

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

BIO	4930	Individual Study in Biology
BIO	4950	Internship in Biology
BIO	4960	Institute in Biology
BIO	4970	Study Tour in Biology

\*To enroll in a Capstone Experience, students must complete a minimum of 60 credit hours. This 0 credit hour course is designed to be taken in conjunction with a capstone experience. Capstone experiences may include the above courses, or special projects in biology. Special projects include but are not limited to independent research, service learning, professional school applications, or other equivalent experiences as approved by the Capstone Coordinator. Approval of the Capstone Coordinator is required before starting any capstone experience. A reflective writing piece, which must receive a passing score, will be required for all capstones.

**Minimum hours required ..... 125\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, physics, and two years of a second language in high school. Graduating seniors must take a national assessment exam in Biology as a graduation requirement for the B.S. in Biology-Biomedical Sciences.

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... **2.00**
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

**For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)**

\*\*Students accepted to graduate medical and allied health professional schools (e.g. Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Veterinary Medicine) prior to completing this degree will be allowed to transfer a maximum of 30 credit hours from the first year of medical course work toward the guided electives and electives included in this degree.

To be eligible, students must have successfully completed the following minimum requirements from UCO before matriculation into the professional program: 1) 94 credit hours total; 2) 30 credit hours in residence at UCO; 3) 15 upper division credit hours in the major; 4) 50% of the total major credit hours; and 5) all regular degree requirements, including general education. (Students must apply for their bachelor’s degree within two years of completing their UCO work, but no later than graduation from medical school.)

Program: **Biology**  
 Major: **Biology-Medical Laboratory Science**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Biology**  
 College: **Mathematics and Science**  
 Major Code: **6002**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**.....0-3

Students majoring in Biology-Medical Laboratory Science are encouraged to complete the following courses in high school.

- Two years of high school algebra **OR**
- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra

**Major Requirements**

**Biology-Medical Laboratory Sciences**.....87

Students may earn the B.S. in Biology-Medical Laboratory Science from UCO upon completion of the following three year curriculum and an additional one year in a hospital school approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

**Biology and Chemistry** ..... 47

Required Courses:

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity
- BIO 2203 Cell Biology
- BIO 2211 Cell Biology Laboratory
- BIO 2604 Human Physiology and Lab
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 4515 Pathogenic Microbiology and Immunology and Lab
- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I-Recitation/Lab
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II-Recitation/Lab
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- CHEM 3403 Biochemistry I

**Mathematics** ..... 6

Required courses:

- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences

**Elective Biology and/or Chemistry**..... 4

Selected from the following courses:

- BIO 3403 Comparative Animal Physiology OR
- BIO 3464 Comparative Animal Physiology and Lab

**Minimum  
Required Hours**

- BIO 3414 Histology and Lab
- BIO 3803 Mammalian Physiology I
- BIO 3813 Mammalian Physiology II
- BIO 4414 Virology and Lab
- BIO 4774 Parasitology and Lab
- CHEM 3203 Introductory Physical Chemistry
- CHEM 3323 Organic Chemistry II
- CHEM 3332 Organic Chemistry II Lab
- CHEM 3442 Experimental Biochemistry
- CHEM 4103 Biochemistry II

**#Medical Technology** ..... 30

Students must complete an appropriate one year program with an approved affiliate Hospital Medical Laboratory Science Program and satisfactorily complete the following courses through UCO.

- BIO 4117 Clinical Microbiology
- BIO 4236 Clinical Hematology
- BIO 4246 Clinical Immunology
- CHEM 4125 Clinical Chemistry I
- CHEM 4325 Clinical Chemistry II
- CHEM 4351 Topics in Medical Technology

**Electives to bring total to**..... 124

#The Medical Laboratory Science degree can only be obtained upon completion of the one year clinical hospital training. Completion of the three-year requirements at UCO does NOT assure acceptance into one of the affiliated hospitals. Acceptance into a hospital program is highly competitive.

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.00
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Biomedical Engineering**  
 Major: **Biomedical Engineering**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Engineering and Physics**  
 College: **Mathematics and Science**  
 Major Code: **6220**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**• Cultural and Language Analysis..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses ..... 9-18**

- PHIL 1123 Contemporary Moral Problems
- ECON 1103 Introduction to Economics
- FMKT 2323 Global Protocol and Diversity  
(or Foreign Language)

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Students majoring in Biomedical Engineering are encouraged to complete the following course in high school.

- One year High School Physics **OR**
- PHY 1003 Introduction to Physics

**Major Requirements**

**Biomedical Engineering..... 96-98**

**Biology ..... 11**

- Required courses:
- BIO 1204 Biology for Majors: Principles
  - BIO 2203 Cell Biology
  - BIO 2604 Human Physiology and Laboratory

**Chemistry..... 5**

- Required courses:
- CHEM 1103 General Chemistry I
  - CHEM 1112 General Chemistry I Recitation/Laboratory

**Engineering..... 48**

- Required courses:
- ENGR 1112 Introduction to Engineering and Laboratory
  - ENGR 1213 Engineering Computing and Laboratory
  - BME 1311 Introduction to Biomedical Engineering
  - ENGR 2033 Statics
  - ENGR 2303 Electrical Science
  - ENGR 2311 Electrical Science Laboratory
  - #BME 3043 Biomaterials

**Minimum  
Required Hours**

- BME 3113 Principles of Biomedical Engineering
- ENGR 3223 Digital Logic Design and Laboratory
- ENGR 3303 Engineering Probability and Statistics
- #ENGR 3323 Signals and Systems
- ENGR 3331 Signals and Systems Laboratory
- ENGR 3403 Analog Electronics
- ENGR 3421 Analog Electronics Laboratory
- #BME 4132 Biomedical Engineering Laboratory
- #BME 4223 Biomedical Imaging
- #BME 4233 Biomedical Instrumentation
- #BME 4343 Biomechanics
- #BME 4882 BME Senior Engineering Design I
- #ENGR 4892 Senior Engineering Design II

**Mathematics ..... 15**

- Required courses:
- MATH 2313 Calculus 1
  - MATH 2323 Calculus 2
  - MATH 2333 Calculus 3
  - MATH 2343 Calculus 4
  - MATH 3103 Differential Equations

**Physics..... 8**

- Required courses:
- PHY 2014 Physics for Science and Engineering I and Laboratory
  - ^ PHY 2114 Physics for Science and Engineering II and Laboratory

^ A grade of “C” or better must be earned in PHY 2114.

**Biomedical Engineering Elective ..... 3-6**

Any 3000/4000 level BME, PHY or ENGR course with the following exceptions: PHY 3014, 3044, 3054 or 3503.

Students in Concentration A are required to have 3 credit hours from Biomedical Engineering electives. Students in Concentration B are required to have 6 credit hours from Biomedical Engineering electives.

Program: **Biomedical Engineering** - continued  
 Major: **Biomedical Engineering**  
 Degree: Bachelor of Science (B.S.)

Dept: Engineering and Physics  
 College: Mathematics and Science  
 Major Code: 6220

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Complete all the courses from one of the following concentrations:**  
 .....3-8

- Concentration A: (courses in preparation for Pre-Med fields)  
 CHEM 1223 General Chemistry II  
 CHEM 1232 General Chemistry II Recitation/Laboratory  
 CHEM 3303 Organic Chemistry I
- Concentration B: (courses in preparation for Instrumentation fields)  
 PHY 3883 Mathematical Physics I

**The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.**

- The following courses are strongly recommended electives:  
 BME 4243 Modeling and Analysis of Biomedical Systems  
 #ENGR 3443 Fluid Mechanics  
 CHEM 3403 Biochemistry I  
 CHEM 3323 Organic Chemistry II (for Concentration A)  
 #ENGR 3183 Electromagnetic Fields I (for Concentration B)

# Admission into Engineering and Physics Upper Division is required.

**Minimum Grade Requirements**

1. Average in (a) all college course work, and (b) course work at UCO, ..... 2.00
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

**Admission into Engineering and Physics Upper Division**

Students seeking the B.S. in Biomedical Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Physics – Physics are required to make formal application to the Chairperson of the Department of Engineering and Physics for admission into the upper division of each of these majors. Applications must be submitted to the Department of Engineering and Physics on or before the last Monday of January for Fall admission and the last Monday of August for Spring admission.

Upper division admission is open to students meeting Engineering and Physics upper division admission requirements. To be admitted into upper division, the student must have:

- A minimum retention grade point average (GPA) of 2.00 in all course work completed by the time the student is formally admitted into upper division.
- Completed 60 semester credit hours by the time the student is formally admitted into upper division.

- Completed the following courses or their equivalent with a minimum grade of "C" by the time the student is formally admitted into upper division:

MATH	2313	Calculus 1
MATH	2323	Calculus 2
MATH	2333	Calculus 3
MATH	2343	Calculus 4
MATH	3103	Differential Equations (Recommended)
PHY	2014	Physics for Science & Engineering I & Lab
PHY	2114	Physics for Science & Engineering II & Lab
ENGR	1112	Introduction to Engineering & Lab
ENGR	1213	Engineering Computing & Lab
ENGR	2033	Statics
ENGR	2303	Electrical Science
ENGR	2311	Electrical Science Lab
ENGR	3303	Engineering Probability and Statistics (Recommended)
CHEM	1112	General Chemistry I Recitation/Lab AND (for Biomedical Engineering)
CHEM	1103	General Chemistry I OR (for Biomedical Engineering)
CHEM	1315	Chemistry for Engineering and Lab (for Electrical Engineering, Mechanical Engineering, and Engineering Physics - Physics)

Formal approval by the department Faculty Advisor and Department Chair is required for admission. Preference is given to University of Central Oklahoma students. The student may enroll in no more than nine (9) hours of 3000 and 4000 level courses in the major prior to admission into upper division unless they secure formal approval from the Department of Engineering and Physics.

Program: **Chemistry**  
 Major: **Chemistry**  
 Degree: Bachelor of Science (B.S.)

Dept: Chemistry  
 College: Mathematics and Science  
 Major Code: 6060

### University Core (Total Listed 42-44)

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication ..... 9

Quantitative Reasoning/Scientific Method ..... 10-11

• Math..... 3

Life Science ..... 4

• Physical Science ..... 3-4

Critical Inquiry and Aesthetic Analysis ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

American Historical and Political Analysis ..... 6

American National Government ..... 3

American History ..... 3

Cultural and Language Analysis ..... 3-4

Second Language ..... 4

OR

Cultural Analysis ..... 3

Social and Behavioral Analysis ..... 3

Life Skills ..... 5

Required Health Course ..... 2

Elective Life Skills ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

### Support Courses

Support Courses ..... 0-6

Required Courses:

\*MATH 1533 Precalculus-Algebra OR

MATH 1513 College Algebra OR Placement Score AND

\*MATH 1593 Plane Trigonometry OR Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

### Major Requirements

Chemistry ..... 68

Common Core ..... 47

Required courses:

CHEM 1103 General Chemistry I

CHEM 1112 General Chemistry I - Recitation/Lab

CHEM 1223 General Chemistry II

CHEM 1232 General Chemistry II - Recitation/Lab

CHEM 2104 Quantitative Analysis and Lab

CHEM 2621 Professionalism in Chemistry I

CHEM 3303 Organic Chemistry I

CHEM 3312 Organic Chemistry I Lab

CHEM 3323 Organic Chemistry II

CHEM 3332 Organic Chemistry II Lab

CHEM 3454 Fundamentals of Instrumental Analysis and Lab

CHEM 3621 Professionalism in Chemistry II

MATH 2313 Calculus 1

MATH 2323 Calculus 2

MATH 2333 Calculus 3

PHY 2014 Physics for Science and Engineering I and Lab

PHY 2114 Physics for Science and Engineering II and Lab

Advanced Chemistry ..... 21

Required courses: ..... 12

CHEM 3503 Physical Chemistry I

CHEM 3513 Physical Chemistry II

CHEM 3602 Experimental Physical Chemistry

CHEM 4502 Directed Research and Lab (taken twice)

Chemistry Electives ..... 9

(3000/4000 level; CHEM 3203 will not apply)

Electives to bring total to ..... 124

The following are highly recommended:

CHEM 3403 Biochemistry I

CHEM 4454 Advanced Instrumental Analysis and Lab

ENG 4023 Technical Writing

MATH 2343 Calculus 4

PHY 3103 Modern Physics

### Minimum Grade Requirements

1. Average in (a) all college course work, and (b) course work at UCO ..... 2.25
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Chemistry**  
 Major: **Chemistry - ACS Certificate**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Chemistry**  
 College: **Mathematics and Science**  
 Major Code: **6061**

### University Core (Total Listed 42-44)

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

### Support Courses

**Support Courses** ..... 0-6

Required Courses:

\*MATH 1533 Precalculus-Algebra **OR**

MATH 1513 College Algebra **OR** Placement Score **AND**

\*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

### Major Requirements

**Chemistry - ACS Certificate** ..... 76

**Common Core** ..... 47

Required courses:

CHEM 1103 General Chemistry I

CHEM 1112 General Chemistry I - Recitation/Lab

CHEM 1223 General Chemistry II

CHEM 1232 General Chemistry II - Recitation/Lab

CHEM 2104 Quantitative Analysis and Lab

CHEM 2621 Professionalism in Chemistry I

CHEM 3303 Organic Chemistry I

CHEM 3312 Organic Chemistry I Lab

CHEM 3323 Organic Chemistry II

CHEM 3332 Organic Chemistry II Lab

CHEM 3454 Fundamentals of Instrumental Analysis and Lab

CHEM 3621 Professionalism in Chemistry II

MATH 2313 Calculus 1

MATH 2323 Calculus 2

MATH 2333 Calculus 3

PHY 2014 Physics for Science and Engineering I and Lab

PHY 2114 Physics for Science and Engineering II and Lab

**Advanced Chemistry ACS approved** ..... 29

Required courses: ..... 22

CHEM 3403 Biochemistry I

CHEM 3503 Physical Chemistry I

CHEM 3513 Physical Chemistry II

CHEM 3602 Experimental Physical Chemistry

CHEM 4502 Directed Research and Lab (taken twice)

CHEM 4603 Advanced Organic Chemistry

CHEM 4654 Inorganic Chemistry and Lab

Elective Chemistry (3000/4000 level) ..... 7  
 (CHEM 3203 will not apply.)

**Electives to bring total to** ..... 124

The following are highly recommended:

CHEM 4454 Advanced Instrumental Analysis and Lab

ENG 4023 Technical Writing

MATH 2343 Calculus 4

PHY 3103 Modern Physics

### Minimum Grade Requirements

1. Average in (a) all college course work, and (b) course work at UCO ..... 2.25
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Chemistry**  
 Major: **Chemistry - Health Sciences**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Chemistry**  
 College: **Mathematics and Science**  
 Major Code: **6062**

### University Core (Total Listed 42-44)

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

• Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

Elective Life Skills ..... 3

Minimum  
Required Hours

Minimum  
Required Hours

### Support Courses

**Support Courses** ..... 0-6

Required Courses:

MATH 1453 Applied Algebra **OR**

MATH 1513 College Algebra **OR** Placement Score **OR**

MATH 1533 Precalculus-Algebra **OR** Placement Score **AND**

MATH 1593 Plane Trigonometry **OR** Placement Score

### Major Requirements

**Chemistry - Health Sciences** ..... 76

**Common Core** ..... 56

Required courses:

CHEM 1103 General Chemistry I

CHEM 1112 General Chemistry I Recitation/Lab

CHEM 1223 General Chemistry II

CHEM 1232 General Chemistry II Recitation/Lab

CHEM 2104 Quantitative Analysis and Lab

CHEM 2621 Professionalism in Chemistry I

CHEM 3303 Organic Chemistry I

CHEM 3312 Organic Chemistry I Lab

CHEM 3323 Organic Chemistry II

CHEM 3332 Organic Chemistry II Lab

CHEM 3454 Fundamentals of Instrumental Analysis and Lab

CHEM 3621 Professionalism in Chemistry II

BIO 1204 Biology for Majors: Principles

BIO 1225 Biology for Majors: Diversity

BIO 2203 Cell Biology

MATH 2153 Bio-Calculus

PHY 1114 General Physics I and Lab

PHY 1214 General Physics II and Lab

STAT 2103 Intro Statistics for Sciences

**Advanced Course work** ..... 20

Required courses: ..... 14

BIO 3054 Microbiology for Majors and Lab

CHEM 3203 Introductory Physical Chemistry

CHEM 3403 Biochemistry I

CHEM 3442 Experimental Biochemistry

CHEM 4892 Capstone for Chemistry

**Electives to bring total to** ..... 124

### Minimum Grade Requirements

1. Average in (a) all college course work, and (b) course work at UCO ..... 2.25
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see

[Academic Degree Requirements](#).

Program: **Computer Science**  
 Major: **Computer Science**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Computer Science**  
 College: **Mathematics and Science**  
 Major Code: **6100**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses.....0-9**

Students majoring in Computer Science are encouraged to complete the following courses in high school.

Advanced Placement High School Programming Course **OR**  
 CMSC 1513 Beginning Programming

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Computer Science .....80-81**

**Required..... 61**

- ^ CMSC 1613 Programming I
- ^ CMSC 1621 Programming I Laboratory
- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2613 Programming II
- ^ CMSC 2621 Programming II Laboratory
- ^ CMSC 2833 Computer Organization I
- ^ SE 3103 Object Oriented Software Design and Construction
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 3621 Data Structures/Algorithms Lab
- ^ CMSC 3833 Computer Organization II
- ^ CMSC 4003 Applications of Database Management Systems
- ^ CMSC 4023 Programming Languages **OR**
- ^CMSC 4173 Translator Design
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4273 Theory of Computing
- ^ SE 4283 Software Engineering I
- ^ CMSC 4323 Computer and Network Security
- ^ CMSC 4401 Ethics in Computing

- ^\*CMSC 4513 Software Design and Development
- ^ MATH 2313 Calculus 1
- ^ MATH 2323 Calculus 2
- ^ MATH 2333 Calculus 3
- ^ MATH 3143 Linear Algebra
- ^ STAT 2113 Statistical Methods **OR**
- ^ STAT 2103 Introduction to Statistics for Sciences **OR**
- ^ STAT 4113 Mathematical Statistics I

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

\* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

**Elective Science Courses..... 4-5**

- PHY 1114 General Physics I and Laboratory **OR**
- PHY 2014 Physics for Science & Engineering I & Lab **OR**
- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Recitation/Laboratory

**Elective CMSC or SE courses ..... 15**

Any 3/4000 level CMSC or SE courses  
 6 hours of CMSC or SE electives may be taken at the 2000 level

SE 4513 may not be used to satisfy the CMSC or SE elective requirement.

No more than four (4) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

**Average in (a) all college course work, (b) course work at UCO, and (c) major courses..... 2.00**

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Computer Science**  
 Major: **Computer Science - Applied**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Computer Science**  
 College: **Mathematics and Science**  
 Major Code: **6101**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**  
**Major Support Courses ..... 0-9**

Students majoring in Computer Science-Applied are encouraged to complete the following courses in high school.

Advanced Placement High School Programming Course **OR**  
 CMSC 1513 Beginning Programming

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Computer Science - Applied ..... 61**

**Required ..... 49**

- ^ CMSC 1613 Programming I
- ^ CMSC 1621 Programming I Laboratory
- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2413 Visual Programming
- ^ CMSC 2613 Programming II
- ^ CMSC 2621 Programming II Laboratory
- ^ CMSC 2833 Computer Organization I
- ^ SE 3103 Object Oriented Software Design and Construction
- ^ CMSC 3303 Systems Analysis and Design **OR**
- ^ SE 4283 Software Engineering I
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 3621 Data Structures/Algorithms Lab
- ^ CMSC 4003 Applications of Database Management Systems
- ^ CMSC 4023 Programming Languages **OR**
- ^CMSC 4173 Translator Design
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4401 Ethics in Computing
- ^\*CMSC 4513 Software Design and Development

**Minimum  
Required Hours**

- ^ MATH 2313 Calculus 1
- ^ MATH 2323 Calculus 2
- ^ STAT 2113 Statistical Methods **OR**
- ^ STAT 2103 Introduction to Statistics for Sciences **OR**
- ^ STAT 4113 Mathematical Statistics 1

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

\* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

**Elective CMSC or SE courses ..... 12**

Any 3/4000 level CMSC or SE courses except SE 4513

No more than three (3) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

**Applied Area of Study ..... 18**

**Minor**

The student will complete a minor; if the student is completing a second Bachelor's degree, the first degree's major will satisfy the requirements for the minor.

**OR**

**Second Major**

The student will complete a second major.

**OR**

**Associate degree or comparable concentration** in an information technology or non-computer science/non-general studies discipline transferred from a regionally accredited two- or four-year college or international equivalent with the approval of the Computer Science Department.

Program: **Computer Science** - continued  
 Major: **Computer Science - Applied**  
 Degree: Bachelor of Science (B.S.)

Dept: Computer Science  
 College: Mathematics and Science  
 Major Code: 6101

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

If less than 18 hours are transferred under this category, the student should take 2/3/4000 level CMSC electives to make up the difference. A student may take additional CMSC 3/4000 electives to bring the total hours of upper-division courses to 40.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO,  
 and (c) major courses..... **2.00**

For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)



Program: **Computer Science**  
 Major: **Computer Science - Information Science**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Computer Science**  
 College: **Mathematics and Science**  
 Major Code: **6102**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Major Support Courses ..... 0-12**

Students majoring in Computer Science-Information Science are encouraged to complete the following courses in high school.

A high school computer technology course using a word processor, spreadsheet, e-mail, browser, and search engines **OR**

CMSC 1053 Professional Computer Applications and Problem Solving

Advanced Placement High School Programming Course **OR**

CMSC 1513 Beginning Programming

\*MATH 1533 Precalculus-Algebra **OR**

MATH 1513 College Algebra **OR** Placement Score **AND**

\*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Computer Science - Information Science..... 79**

**Required..... 67**

- ^ CMSC 1613 Programming I
- ^ CMSC 1621 Programming I Laboratory
- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2413 Visual Programming
- ^ CMSC 2613 Programming II
- ^ CMSC 2621 Programming II Laboratory
- ^ CMSC 2833 Computer Organization I
- ^ SE 3103 Object Oriented Software Design and Construction
- ^ CMSC 3303 Systems Analysis and Design **OR**
- SE 4283 Software Engineering I
- ^ CMSC 3413 Enterprise Programming
- ^ CMSC 3613 Data Structures and Algorithms
- ^ CMSC 3621 Data Structures/Algorithms Lab

- ^ CMSC 4003 Applications of Database Management Systems
- ^ CMSC 4063 Networks
- ^ CMSC 4153 Operating Systems
- ^ CMSC 4323 Computer and Network Security
- ^ CMSC 4401 Ethics in Computing
- ^\* CMSC 4513 Software Design and Development
- ^ MATH 2313 Calculus 1
- ^ MATH 2323 Calculus 2
- ^ STAT 2113 Statistical Methods **OR**
- ^ STAT 2103 Introduction to Statistics for Sciences **OR**
- ^ STAT 4113 Mathematical Statistics I
- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- MGMT 3103 Principles of Management
- ISOM 3263 Management Information Systems

^ A grade of 'C' or better must be earned in all required CMSC, SE, MATH, and STAT courses.

\* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

**Elective CMSC or SE courses ..... 6**

Any 3/4000 level CMSC or SE courses except SE 4513

No more than three (3) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

**Other areas of application ..... 6**

Selected from the following:

- ACCT 3113 Managerial Accounting
- FIN 3563 Fundamentals of Business Finance
- ISOM 3323 Business Analytics
- ISOM 4063 Computer Simulation
- ISOM 4283 Developing Decision Support Systems
- ISOM 4363 Information Systems Management
- ISOM 4513 Virtualization

Program: **Computer Science** - continued  
 Major: **Computer Science - Information Science**  
 Degree: Bachelor of Science (B.S.)

Dept: Computer Science  
 College: Mathematics and Science  
 Major Code: 6102

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO,  
 and (c) major courses..... **2.00**

For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)

Program: **Data Science**  
 Major: **Data Science**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Mathematics & Statistics and Computer Science**  
 College: **Mathematics and Science**  
 Major Code: **6190**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses.....0-9**

Students majoring in the Data Science program are encouraged to complete the following courses in high school.

Advanced Placement High School Programming Course **OR**

CMSC 1513 Beginning Programming

\*MATH 1533 Precalculus-Algebra **OR**

MATH 1513 College Algebra **OR** Placement Score **AND**

\*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Data Science..... 66**

**Required Courses..... 48**

- CMSC 1613 Programming I
- CMSC 1621 Programming I Laboratory
- CMSC 2613 Programming II
- CMSC 2621 Programming II Laboratory
- CMSC 2123 Discrete Structures
- CMSC 3613 Data Structures and Algorithms
- CMSC 3621 Data Structures/Algorithms Lab
- CMSC 4003 Applications of Database Management Systems
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 3143 Linear Algebra
- STAT 2113 Statistical Methods
- STAT 3213 Fundamentals of Data Science
- STAT 4413 Data Visualization and Exploration
- STAT 4213 Applied Regression Analysis
- STAT 4513 Statistical Consulting **OR**
- STAT 4950 Internship in Statistics (3 hours)

STAT 4533 Data Mining & Stat Learning

**Upper Division Electives..... 18**

- Computer Science or Software Engineering..... 6
- Any combination of 3000-4000 level CMSC or SE courses
- Statistics ..... 6
- Any combination of 3000-4000 level STAT courses
- Computer Science, Software Engineering, Mathematics, or Statistics ..... 6
- Any combination of 3000-4000 level courses from either CMSC, SE, MATH, or STAT

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, and (b) course work at UCO ..... 2.50
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Electrical Engineering**  
 Major: **Electrical Engineering**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Engineering and Physics**  
 College: **Mathematics and Sciences**  
 Major Code: **6260**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**• Cultural and Language Analysis..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**• Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses ..... 9-18**

- PHIL 1123 Contemporary Moral Problems
- ECON 1103 Introduction to Economics
- FMKT 2323 Global Protocol and Diversity  
(or Foreign Language)

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Students majoring in the Electrical Engineering program are encouraged to complete the following course in high school.

- One year of high school physics **OR**
- PHY 1003 Introduction to Physics

**Major Requirements**

**Electrical Engineering ..... 92-97**

**Physics..... 14**

- Required courses:
- PHY 2014 Physics for Science and Engineering I and Lab
  - PHY 2114 Physics for Science and Engineering II and Lab
  - PHY 3103 Modern Physics
  - PHY 3883 Mathematical Physics I

**Engineering..... 55**

- Required courses:
- ENGR 1112 Introduction to Engineering and Laboratory
  - ENGR 1213 Engineering Computing and Laboratory
  - ENGR 2033 Statics
  - ENGR 2303 Electrical Science
  - ENGR 2311 Electrical Science Laboratory
  - #ENGR 3183 Electromagnetic Fields I
  - ENGR 3223 Digital Logic Design and Laboratory
  - ENGR 3303 Engineering Probability & Statistics
  - #ENGR 3323 Signals and Systems

**Minimum  
Required Hours**

- ENGR 3331 Signals and Systems Laboratory
- ENGR 3403 Analog Electronics
- ENGR 3421 Analog Electronics Laboratory
- #ENGR 3413 Materials Science
- ENGR 3613 Microprocessors and Laboratory
- ENGR 3703 Computational Methods in Engineering
- ENGR 3803 Electrical Power Systems
- #\*ENGR 4323 Digital and Analog Communication
- #\*ENGR 4333 Digital Signal Processing
- ENGR 4351 Digital Signal Processing Laboratory
- #\*ENGR 4803 Mechatronics & Laboratory
- #ENGR 4872 EE Senior Engineering Design I
- #ENGR 4892 Senior Engineering Design II

**Mathematics ..... 15**

- Required courses:
- MATH 2313 Calculus 1
  - MATH 2323 Calculus 2
  - MATH 2333 Calculus 3
  - MATH 2343 Calculus 4
  - MATH 3103 Differential Equations

**Chemistry..... 5-10**

- Required courses:
- CHEM 1315 Chemistry for Engineering and Lab **OR**
  - CHEM 1103 General Chemistry I **AND**
  - CHEM 1112 General Chemistry I Recitation/Lab **AND**
  - CHEM 1223 General Chemistry II **AND**
  - CHEM 1232 General Chemistry II Recitation/Lab

**Guided Engineering Electives..... 3**

- Select from the following:
- \*ENGR 4183 Electromagnetic Fields II
  - ENGR 4263 Engineering Optics
  - ENGR 4303 Control Systems
  - \*ENGR 4613 Photonics
  - \*ENGR 4633 Solid State Devices

Program: **Electrical Engineering** - continued  
 Major: **Electrical Engineering**  
 Degree: Bachelor of Science (B.S.)

Dept: Engineering and Physics  
 College: Mathematics and Sciences  
 Major Code: 6260

- CONTINUED FROM PREVIOUS PAGE -

\*Students in the Accelerated BS/MS program in Engineering Physics must enroll in the graduate level versions of this course, and must choose the 5000 level of either Photonics, Electromagnetic Fields II or Solid State Devices as one of the engineering electives. Students need only three 5000-level courses as part of the accelerated program.

# Admission into Engineering and Physics Upper Division is required.

**Minimum Hours required ..... 125\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, physics and two years of a second language in high school.

- ENGR 2033 Statics
- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Lab
- ENGR 3303 Engineering Probability and Statistics (Recommended)
- CHEM 1112 General Chemistry I Recitation/Lab AND (for Biomedical Engineering)
- CHEM 1103 General Chemistry I OR (for Biomedical Engineering)
- CHEM 1315 Chemistry for Engineering and Lab (for Electrical Engineering, Engineering Physics-Physics, Mechanical Engineering)

Formal approval by the department Faculty Advisor and Department Chair is required for admission. Preference is given to University of Central Oklahoma students. The student may enroll in no more than nine (9) hours of 3000 and 4000 level courses in the major prior to admission into upper division unless they secure formal approval from the Department of Engineering and Physics.

**Minimum Grade Requirements**

1. Average in (a) all college course work, and (b) course work at UCO ..... **2.00**
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

**Admission into Engineering and Physics Upper Division**

Students seeking the B.S. in Biomedical Engineering, Electrical Engineering, Engineering Physics – Physics and Mechanical Engineering are required to make formal application to the Chairperson of the Department of Engineering and Physics for admission into the upper division of each of these majors. Applications must be submitted to the Department of Engineering and Physics on or before the last Monday of January for Fall admission and the last Monday of August for Spring admission.

Upper division admission is open to students meeting Engineering and Physics upper division admission requirements. To be admitted into upper division, the student must have:

- A minimum retention grade point average (GPA) of 2.00 in all course work completed by the time the student is formally admitted into upper division.
- Completed 60 semester credit hours by the time the student is formally admitted into upper division.
- Completed the following courses or their equivalent with a minimum grade of “C” by the time the student is formally admitted into upper division:

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations (Recommended)
- PHY 2014 Physics for Science & Engineering I & Lab
- PHY 2114 Physics for Science & Engineering II & Lab
- ENGR 1112 Introduction to Engineering & Lab
- ENGR 1213 Engineering Computing & Lab

Program: **Engineering Physics**  
 Major: **Engineering Physics - Physics**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Engineering and Physics**  
 College: **Mathematics and Science**  
 Major Code: **6243**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

- Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**• Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**• Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses ..... 9-18**

- PHIL 1123 Contemporary Moral Problems
- ECON 1103 Introduction to Economics
- FMKT 2323 Global Protocol and Diversity  
(or Foreign Language)

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Students majoring in the Engineering Physics program are encouraged to complete the following course in high school.

- One year of high school physics **OR**
- PHY 1003 Introduction to Physics

**Major Requirements**

**Engineering Physics - Physics ..... 91-96**

**Physics ..... 23**

- Required courses ..... 17
- PHY 2014 Physics for Science and Engineering I and Lab
- PHY 2114 Physics for Science and Engineering II and Lab
- PHY 3103 Modern Physics
- PHY 3883 Mathematical Physics I
- \*PHY 4203 Quantum Mechanics

\*Physics or Engineering Elective ..... 3  
 4000-level PHY, ENGR, or BME course

\*Physics Elective ..... 3  
 3000-level or 4000-level PHY course

**Engineering ..... 48**

- Required courses ..... 45
- ENGR 1112 Introduction to Engineering and Laboratory
- ENGR 1213 Engineering Computing and Laboratory
- ENGR 2033 Statics
- ENGR 2043 Dynamics

**Minimum  
Required Hours**

- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Laboratory
- #ENGR 3183 Electromagnetic Fields I
- ENGR 3203 Thermodynamics
- ENGR 3303 Engineering Probability and Statistics
- #ENGR 3323 Signals and Systems
- ENGR 3331 Signals and Systems Laboratory
- ENGR 3403 Analog Electronics
- ENGR 3421 Analog Electronics Laboratory
- #ENGR 3443 Fluid Mechanics
- ENGR 3703 Computational Methods in Engineering
- ENGR 4263 Engineering Optics
- #ENGR 4852 EP Senior Engineering Design I
- #ENGR 4892 Senior Engineering Design II

Engineering Electives ..... 3  
 Any 2000-level, 3000-level, or 4000-level ENGR or BME course

**Mathematics ..... 15**

- Required courses:
- MATH 2313 Calculus 1
  - MATH 2323 Calculus 2
  - MATH 2333 Calculus 3
  - MATH 2343 Calculus 4
  - MATH 3103 Differential Equations

**Chemistry ..... 5-10**

- Required courses:
- CHEM 1315 Chemistry for Engineering and Lab
  - OR**
  - CHEM 1103 General Chemistry I **AND**
  - CHEM 1112 General Chemistry I Recitation/Laboratory **AND**
  - CHEM 1223 General Chemistry II **AND**
  - CHEM 1232 General Chemistry II Recitation/Laboratory

\*Students in the Accelerated BS/MS program in Engineering Physics must enroll in the graduate level versions of this course. Students may take a maximum of nine hours and three 5000-level courses as part of the accelerated program.

# Admission into Engineering and Physics Upper Division is required.

Program: **Engineering Physics** - continued  
 Major: **Engineering Physics - Physics**  
 Degree: Bachelor of Science (B.S.)

Dept: Engineering and Physics  
 College: Mathematics and Science  
 Major Code: 6243

- CONTINUED FROM PREVIOUS PAGE -

**Electives to bring total to..... 124\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, physics and two years of a second language in high school.

CHEM 1315 Chemistry for Engineering and Lab (for Electrical Engineering, Engineering Physics-Physics, Mechanical Engineering)

Formal approval by the department Faculty Advisor and Department Chair is required for admission. Preference is given to University of Central Oklahoma students. The student may enroll in no more than nine (9) hours of 3000 and 4000 level courses in the major prior to admission into upper division unless they secure formal approval from the Department of Engineering and Physics.

**Minimum Grade Requirements**

1. Average in (a) all college course work, and (b) course work at UCO ..... **2.00**
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

**Admission into Engineering and Physics Upper Division**

Students seeking the B.S. in Biomedical Engineering, Electrical Engineering, Engineering Physics – Physics and Mechanical Engineering are required to make formal application to the Chairperson of the Department of Engineering and Physics for admission into the upper division of each of these majors. Applications must be submitted to the Department of Engineering and Physics on or before the last Monday of January for Fall admission and the last Monday of August for Spring admission.

Upper division admission is open to students meeting Engineering and Physics upper division admission requirements. To be admitted into upper division, the student must have:

- A minimum retention grade point average (GPA) of 2.00 in all course work completed by the time the student is formally admitted into upper division.
- Completed 60 semester credit hours by the time the student is formally admitted into upper division.
- Completed the following courses or their equivalent with a minimum grade of “C” by the time the student is formally admitted into upper division:

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations (Recommended)
- PHY 2014 Physics for Science & Engineering I & Lab
- PHY 2114 Physics for Science & Engineering II & Lab
- ENGR 1112 Introduction to Engineering & Lab
- ENGR 1213 Engineering Computing & Lab
- ENGR 2033 Statics
- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Lab
- ENGR 3303 Engineering Probability and Statistics (Recommended)
- CHEM 1112 General Chemistry I Recitation/Lab AND (for Biomedical Engineering)
- CHEM 1103 General Chemistry I OR (for Biomedical Engineering)

Program: **Funeral Service**  
 Major: **Funeral Service**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Funeral Service**  
 College: **Mathematics and Science**  
 Major Code: **6120**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

Math ..... 3

Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

Aesthetic Analysis ..... 3

Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language ..... 4

OR

Cultural Analysis ..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

Required Health Course ..... 2

• Elective Life Skills ..... 3

**Minimum  
 Required Hours**

**Major Requirements**

**Funeral Service** ..... 67

**Required Course** ..... 2

\* FNRL 4522 Board Review

**Basic Sciences** ..... 15

Required courses:

BIO 2314 Introduction to Microbiology and Lab

CHEM 1014 Introduction to Chemistry and Lab

FNRL 2214 Introduction to Human Anatomy and Dissection

FNRL 3433 Introduction to Pathology

**Mortuary Arts and Sciences** ..... 20

Required courses:

FNRL 3054 Embalming Chemistry

FNRL 3204 Embalming

FNRL 3304 Restorative Art

\* FNRL 4118 Practicum in Embalming & Funeral Directing

**Mortuary Administration** ..... 30

Required courses:

FNRL 1211 Orientation to Funeral Service

FNRL 2313 Contemporary Funeral Service

FNRL 2413 Funeral Home Administration

FNRL 3374 Funeral Home Management I

FNRL 3383 Funeral Service Statutory Law

FNRL 3393 Mortuary Jurisprudence

FNRL 3493 Funeral Service Communication

FNRL 3513 History of Funeral Directing

FNRL 4214 Funeral Home Management II

FNRL 3483 Psychology of Grief

\* Must be taken concurrently during a student’s final semester.

**Electives to bring total to** ..... 124

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.00
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

National Board Examination scores, graduation rates, and employment rates for this and other ABFSE-accredited programs are available at [www.abfse.org](http://www.abfse.org). To request a printed copy of this program’s scores and rates, go to: UCO Department of Funeral Service, CHS 154, 100 North University Drive, Edmond, OK 73034 or by e-mail at [funeralservice@uco.edu](mailto:funeralservice@uco.edu), or by telephone, (405) 974-5001.

The Department of Funeral Service Bachelor of Science Degree and Certificate of Completion Programs at the University of Central Oklahoma are accredited by the American Board of Funeral Service Education (ABFSE) 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097 (816)233-3747 [www.abfse.org](http://www.abfse.org).

**Student Learning Outcomes**

Upon completion of the accredited Bachelor’s Degree and Certificate program, students will be able to:

- Explain the importance of funeral service professionals in developing relationships with the families and communities they serve.
- Identify standards of ethical conduct in funeral service practice.
- Interpret how federal, state, and local laws apply to funeral service in order to ensure compliance.
- Apply principles of public health and safety in the handling and preparation of human remains.
- Demonstrate technical skills in embalming and restorative art that are necessary for the preparation and handling of human remains.
- Demonstrate skills required for conducting arrangement conferences, visitations, services, and ceremonies.
- Describe the requirements and procedures for burial, cremation, and other accepted forms of final disposition of human remains.
- Describe methods to address the grief-related needs of the bereaved.
- Explain management skills associated with operating a funeral establishment.
- Demonstrate verbal and written communication skills and research skills needed for funeral service practice.



Program: **Mathematics**  
 Major: **Mathematics**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Mathematics and Statistics**  
 College: **Mathematics and Science**  
 Major Code: **6160**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Prerequisite Courses**

**Prerequisite Courses ..... 0-6**

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding general education requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Mathematics ..... 47**

**Required..... 30**

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 2753 Technology for Professional Math and Statistics
- MATH 3113 Foundations of Advanced Math
- MATH 3143 Linear Algebra
- MATH 3183 Introduction to Modern Algebra
- MATH 4143 Introduction to Analysis 1
- STAT 4113 Mathematical Statistics 1

**Electives ..... 17**

At least nine (9) hours must be selected from the following:

- MATH 3103 Differential Equations
- MATH 3163 Elementary Number Theory
- MATH 4153 Introduction to Analysis 2
- MATH 4483 History of Mathematics
- STAT 4123 Mathematical Statistics 2

All other elective courses must be selected from 3000 and 4000 level MATH courses (including those MATH courses listed above).

**Electives to bring total to..... 124**

It is strongly recommended that PHY 1114 General Physics I and Lab be taken in the general education core.

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Mathematics**  
 Major: **Mathematics - Applied Mathematics**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Mathematics and Statistics**  
 College: **Mathematics and Science**  
 Major Code: **6161**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Prerequisite Courses**

**Prerequisite Courses ..... 0-6**

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding general education requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Mathematics - Applied Mathematics ..... 48**

**Required courses ..... 27**

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 2753 Technology for Professional Math and Statistics
- MATH 3113 Foundations of Advanced Math
- MATH 3143 Linear Algebra
- MATH 3183 Introduction to Modern Algebra
- MATH 4143 Introduction to Analysis 1

**Applied Mathematics ..... 21**

Required courses:

- STAT 2113 Statistical Methods
  - MATH 3103 Differential Equations
  - MATH 4113 Operations Research 1
  - STAT 4113 Mathematical Statistics 1
  - MATH 4263 Numerical Linear Algebra **OR**
  - MATH 4363 Applied Numerical Analysis
- Any 3000 and 4000 level MATH or STAT course to bring the total to 21.

**Electives to bring total to ..... 124**

It is strongly recommended that PHY 1114 General Physics I and Lab be taken in the general education pattern.

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Mathematics**  
 Major: **Mathematics - Statistics**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Mathematics and Statistics**  
 College: **Mathematics and Science**  
 Major Code: **6162**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Sd Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Prerequisite Courses  
Prerequisite Courses ..... 0-6**

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding general education requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Mathematics - Statistics..... 54**

**Mathematics ..... 27**

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 2753 Technology for Professional Math and Statistics
- MATH 3103 Differential Equations
- MATH 3113 Foundations of Advanced Math
- MATH 3143 Linear Algebra
- MATH 3183 Introduction to Modern Algebra **OR**
- MATH 4143 Introduction to Analysis 1

**Statistics ..... 27**

Required Courses..... 18

- STAT 2113 Statistical Methods
- STAT 4103 Applied Experimental Design
- STAT 4113 Mathematical Statistics 1
- STAT 4123 Mathematical Statistics 2
- STAT 4213 Applied Regression Analysis
- STAT 4513 Statistical Consulting

Electives..... 9

Selected from the following:

- STAT 3213 Fundamentals of Data Science
- STAT 4253 Computer Applications in Statistics

**Minimum  
Required Hours**

- STAT 4313 Nonparametric Statistics
- STAT 4533 Data Mining and Statistical Learning
- STAT 4413 Data Visualization and Exploration

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses ..... 2.50
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Mathematics Education**  
 Major: **Mathematics Education**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Mathematics and Statistics**  
 College: **Mathematics and Science**  
 Major Code: **6180**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Support and Prerequisite Courses**

**Support Courses**.....9

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

**Prerequisite Courses** .....0-6

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

**Major Requirements**

**Mathematics Education**.....41-42

**Required courses** ..... 36

- MATH 2123 Survey of Discrete for Math Education
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 2743 Technology and Mathematics Education
- MATH 3113 Foundations of Advanced Mathematics
- MATH 3123 College Geometry
- MATH 3143 Linear Algebra
- MATH 3163 Elementary Number Theory **OR**
- MATH 3183 Introduction to Modern Algebra
- MATH 4483 History of Mathematics
- STAT 2113 Statistical Methods

**Mathematics Electives** ..... 5-6

Select at least two of the following:

- MATH 2023 Foundations of Geometry and Measurement
- MATH 3103 Differential Equations
- MATH 3163 Elementary Number Theory
- MATH 3183 Introduction to Modern Algebra
- MATH 4143 Introduction to Analysis 1
- MATH 4960 Institute in Mathematics (2 hours)
- STAT 4113 Mathematical Statistics 1

**Professional Education** ..... 32

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- MATH 3323 Teaching Middle School Math
- ^MATH 4843 Teaching Secondary Mathematics
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Electives to bring total to**..... 124

It is strongly recommended PHY 1114 General Physics I and Lab be taken in the general education core. Students planning to do graduate work should take MATH 3183, Introduction to Modern Algebra and MATH 4143, Introduction to Analysis 1.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see

[Academic Degree Requirements](#).

Program: **Mechanical Engineering**  
 Major: **Mechanical Engineering**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Engineering and Physics**  
 College: **Mathematics and Science**  
 Major Code: **6270**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

- Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math ..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**• Cultural and Language Analysis ..... 3-4**

- Second Language ..... 4
- OR
- Cultural Analysis ..... 3

**• Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

- Required Health Course ..... 2
- Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Support Courses ..... 9-18**

- PHIL 1123 Contemporary Moral Problems
- ECON 1103 Introduction to Economics
- FMKT 2323 Global Protocol and Diversity (or Foreign Language)
- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Students majoring in the Mechanical Engineering program are encouraged to complete the following course in high school.

- One year of high school physics **OR**
- PHY 1003 Introduction to Physics

**Major Requirements**

**Mechanical Engineering ..... 94-99**

**Physics ..... 11**

- Required courses:
- PHY 2014 Physics for Science and Engineering I and Lab
  - PHY 2114 Physics for Science and Engineering II and Lab
  - PHY 3883 Mathematical Physics I

**Engineering ..... 57**

- Required courses:
- ENGR 1112 Introduction to Engineering and Laboratory
  - ENGR 1213 Engineering Computing and Laboratory
  - ENGR 2033 Statics
  - ENGR 2043 Dynamics
  - ENGR 2143 Strength of Materials
  - ENGR 2151 Strength of Materials Lab
  - ENGR 2303 Electrical Science
  - ENGR 2311 Electrical Science Laboratory
  - ENGR 3203 Thermodynamics
  - ENGR 3211 Thermal Engineering Laboratory
  - ENGR 3303 Engineering Probability and Statistics

**Minimum  
Required Hours**

- #ENGR 3323 Signals and Systems
- ENGR 3331 Signals and Systems Laboratory
- #ENGR 3363 Mechanical Engineering Design
- #ENGR 3413 Materials Science
- #ENGR 3443 Fluid Mechanics
- #ENGR 3451 Fluid Mechanics Lab
- ENGR 3703 Computational Methods in Engineering
- \*#ENGR 4123 Heat Transfer
- #ENGR 4141 Heat Transfer Lab
- \*#ENGR 4533 Thermal Systems Design
- \*#ENGR 4803 Mechatronics & Laboratory
- #ENGR 4862 ME Senior Engineering Design I
- #ENGR 4892 Senior Engineering Design II

**Mathematics ..... 15**

- Required courses:
- MATH 2313 Calculus 1
  - MATH 2323 Calculus 2
  - MATH 2333 Calculus 3
  - MATH 2343 Calculus 4
  - MATH 3103 Differential Equations

**Chemistry ..... 5-10**

- Required courses:
- CHEM 1315 Chemistry for Engineering and Lab **OR**
  - CHEM 1103 General Chemistry I **AND**
  - CHEM 1112 General Chemistry I Recitation/Laboratory **AND**
  - CHEM 1223 General Chemistry II **AND**
  - CHEM 1232 General Chemistry II Recitation/Laboratory

**Guided Physics or Engineering Electives ..... 6**

- Selected from the following:
- ENGR 3153 Machine Dynamics
  - ENGR 3223 Digital Logic Design and Laboratory
  - ENGR 3803 Electrical Power Systems
  - ENGR 4103 Finite Element Analysis
  - ENGR 4153 Vibration
  - ENGR 4203 Refrigeration and Air Conditioning

Program: **Mechanical Engineering** - continued  
 Major: **Mechanical Engineering**  
 Degree: Bachelor of Science (B.S.)

Dept: Engineering and Physics  
 College: Mathematics and Science  
 Major Code: 6270

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- ENGR 4303 Control Systems
- ENGR 4313 Fluid Dynamics
- BME 4343 Biomechanics
- PHY 4163 Analytical Mechanics

- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Lab
- ENGR 3303 Engineering Probability and Statistics (Recommended)
- CHEM 1112 General Chemistry I Recitation/Lab AND (for Biomedical Engineering)
- CHEM 1103 General Chemistry I OR (for Biomedical Engineering)
- CHEM 1315 Chemistry for Engineering and Lab (for Electrical Engineering, Engineering Physics-Physics, Mechanical Engineering)

\*Students in the Accelerated BS/MS program in Engineering Physics must enroll in the graduate level versions of this course.

# Admission into Engineering and Physics Upper Division is required.

**Minimum Hours required ..... 127\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, physics and two years of a second language in high school.

Formal approval by the department Faculty Advisor and Department Chair is required for admission. Preference is given to University of Central Oklahoma students. The student may enroll in no more than nine (9) hours of 3000 and 4000 level courses in the major prior to admission into upper division unless they secure formal approval from the Department of Engineering and Physics.

**Minimum Grade Requirements**

1. Average in (a) all college course work, and (b) course work at UCO ..... **2.00**
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

**Admission into Engineering and Physics Upper Division**

Students seeking the B.S. in Biomedical Engineering, Electrical Engineering, Engineering Physics – Physics and Mechanical Engineering are required to make formal application to the Chairperson of the Department of Engineering and Physics for admission into the upper division of each of these majors. Applications must be submitted to the Department of Engineering and Physics on or before the last Monday of January for Fall admission and the last Monday of August for Spring admission.

Upper division admission is open to students meeting Engineering and Physics upper division admission requirements. To be admitted into upper division, the student must have:

- A minimum retention grade point average (GPA) of 2.00 in all course work completed by the time the student is formally admitted into upper division.
- Completed 60 semester credit hours by the time the student is formally admitted into upper division.
- Completed the following courses or their equivalent with a minimum grade of "C" by the time the student is formally admitted into upper division:

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations (Recommended)
- PHY 2014 Physics for Science & Engineering I & Lab
- PHY 2114 Physics for Science & Engineering II & Lab
- ENGR 1112 Introduction to Engineering & Lab
- ENGR 1213 Engineering Computing & Lab
- ENGR 2033 Statics

Program: **Nursing**  
 Major: **Nursing**  
 Degree: Bachelor of Science (B.S.)

Dept: Nursing  
 College: Mathematics and Science  
 Major Code: 6200

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

Math ..... 3

• Life Science ..... 4

• Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

• Critical Inquiry ..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis ..... 3

• **Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

Required Health Course ..... 2

• Elective Life Skills ..... 3

**Minimum  
Required Hours**

**Major Requirements**

**Nursing.....98**

The baccalaureate degree in nursing at UCO is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>). Graduates of this state approved program are eligible to apply to write the National Council Licensure Examination (NCLEX-RN) for registered nurses.

**Pre-Professional ..... 39**

The following courses:

- CHEM 1014 Introductory Chemistry and Lab
- BIO 1114 General Biology **OR**
- BIO 1204 Biology for Majors: Principles
- NTRN 1513 Introduction to Nutrition
- PSY 1103 General Psychology
- SOC 2103 Sociology
- BIO 2314 Introductory Microbiology and Lab
- BIO 2504 Human Anatomy and Lab **OR**
- FNRL 2214 Elementary Human Anatomy and Dissection
- BIO 2604 Human Physiology and Lab
- ECON 2173 Principles of Business Statistics **OR**
- PSY 2753 Psychological Statistics **OR**
- SOC 4043 Sociological Statistics **OR**
- STAT 2113 Statistical Methods **OR**
- ECON 2303 Statistics for Healthcare **OR**
- STAT 2103 Introduction to Statistics for Sciences
- PHIL 1103 Logic and Critical Thinking **OR**
- PHIL 1113 Introduction to Philosophy **OR**
- PHIL 1123 Contemporary Moral Problems **OR**
- PHIL 2073 Social & Political Philosophy
- NURS 1221 Introduction to Nursing
- NURS 2113 Individual and Family Development Through the Lifespan

**Professional..... 59**

The following courses:

- NURS 2207 Foundations of Nursing
- NURS 3202 Introduction to Pharmacology
- NURS 3307 Adult Medical-Surgical Nursing I
- NURS 3314 Maternal-Newborn Nursing

**Minimum  
Required Hours**

- NURS 3324 Pediatric/Child Health Nursing
- NURS 3333 Psychiatric/Mental Health Nursing
- NURS 3344 Adult Med/Surg Nursing II
- NURS 3512 Service Learning and Health Promotion
- NURS 4134 Community Health Nursing
- NURS 4146 High Acuity Nursing
- NURS 4153 Research/Evidence-Based Practice
- NURS 4324 Care of Vulnerable Individuals
- NURS 4722 Pharmacology II
- NURS 4746 Professional Nursing Leadership & Management
- NURS 4821 Preparing for Entry into Practice

**Electives to bring total to ..... 124\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete two years of a second language in high school.

**Minimum Grade Requirements**

1. Average in (a) all college course work, and (b) course work at UCO ..... 2.00
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Nursing** - continued  
 Major: **Nursing**  
 Degree: Bachelor of Science (B.S.)

Dept: Nursing  
 College: Mathematics and Science  
 Major Code: 6200

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### Admission to Nursing Program

Students planning to become candidates for the Bachelor of Science with a major in Nursing are required to make formal application to the Chairperson of the Department of Nursing for admission into the Professional Nursing program. Applications must be submitted to the Department of Nursing on or before the **last Friday of January for fall admission, and the second Friday of September for spring admission** into the program.

**Admission is competitive as applications exceed the number of positions available. Formal approval by the selection committee is required for admission.** Preference is given to University of Central Oklahoma students. The student will be notified eight to ten weeks after the filing date as to the disposition of the application.

The following must be submitted to the Department of Nursing as part of the admission process and are used by the faculty in selection of candidates:

- A. Transcript(s) reflecting a minimum retentive grade point average of 2.50 in all course work completed at the time of the application.
- B. A minimum grade of "C" in chemistry, all biological sciences, NURS 1221 and NURS 2113 is required. Two of the five required science courses must be successfully completed prior to the application deadline. Human Anatomy must be successfully completed before starting NURS 2207 Foundations of Nursing. Students may enroll a maximum of two times in any nursing course.
- C. Score on the Health Education Systems, Inc. Admission Assessment HESI A2 Exam.
- D. Submit a criminal background check (OSBI).
- E. Meet "Performance Standards for Admission and Progression in the Department of Nursing" (available in application packet).
- F. International students (i.e. students for whom English is a second language regardless of resident status) must have a minimum TOEFL score of 83 on the internet version or equivalent on the written examination (560).

### Fast Track - BS

A fast track BS is offered to qualified applicants with a prior Baccalaureate degree in any field. Applicant must meet traditional program requirements and must have completed all science requirements before starting the track. Crossovers between tracks for nursing are not permitted. A separate application is required for each track.

### Career Ladder Students

#### RN to BS

Registered nurses who have graduated from an ACEN accredited associate degree program may be eligible for matriculation into the program on an advanced standing basis. For information regarding criteria and application, go to <http://www.uco.edu/cms/nursing/index.asp>, or contact the Department of Nursing.

### Accelerated RN-MS

A tailored, accelerated RN-MS option is offered to qualifying RN-BS students. Students who are accepted to the RN to BS degree option may take three specified 5000-level NURS courses (9 credit hours) during the senior year of the BS program. These courses will count towards both the BS and MS degrees. Formal application and department permission is required. Specifics of the requirements are located in the UCO Graduate Catalog under Nursing: Master of Science (M.S.).

### Transfer Students

Students transferring to the University of Central Oklahoma from other institutions are expected to fulfill all requirements specified for regularly enrolled students. The three lower division nursing courses (NURS 1221 - Introduction to Nursing, NURS 2207 - Foundations of Nursing, and NURS 2113 - Individual and Family Development Through the Lifespan) must be completed at UCO before entering the junior year of nursing. Call the Department of Nursing for detailed information.

### Progression in the Program

- A. To continue in the Nursing Program, candidates must show evidence of satisfactory progress toward graduation and comply with all requirements as indicated in the UCO Undergraduate Catalog, UCO Student Handbook, and the Department of Nursing Student Handbook.
- B. Nursing courses (after admission to the program) will begin with NURS 2207. NURS 1221 and NURS 2113 may be taken prior to, or concurrently with NURS 2207. All university core and pre-professional courses must be successfully completed prior to beginning Upper Division (3000 level) nursing courses.

**A minimum grade of "C" must be obtained in all professional courses.**

### Other Requirements

- A. Transportation to the clinical area and to other special assignments is the responsibility of each student;
- B. Professional liability insurance is required of all students for the duration of the program. Information is available from the Department of Nursing;
- C. Additional expenses for the nursing major include such items as uniforms, equipment, and fees for achievement tests;
- D. Documentation of immunizations: see UCO Department of Nursing Student Handbook for required immunizations;
- E. Current CPR Certification as an American Heart Association Health Care Provider.
- F. A criminal background check (Federal).
- G. Drug screening.



Program: **Science Education**  
 Major: **Science Education - Biology**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Biology**  
 College: **Mathematics and Science**  
 Major Code: **6040**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

- **Written and Oral Communication**..... 9
- Quantitative Reasoning/Scientific Method** ..... 10-11
- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4
- Critical Inquiry and Aesthetic Analysis**..... 6
- Aesthetic Analysis ..... 3
- Critical Inquiry..... 3

- American Historical and Political Analysis** ..... 6
- American National Government ..... 3
- American History ..... 3
- Cultural and Language Analysis** ..... 3-4
- Second Language ..... 4
- OR
- Cultural Analysis..... 3
- Social and Behavioral Analysis**..... 3
- Life Skills** ..... 5
- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**.....9-15

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

Students majoring in the Biology Education program are encouraged to complete the following courses in high school.

- Two years of high school Algebra and one year of Trigonometry **OR**
- MATH 1453 Applied Algebra **OR**
  - MATH 1513 College Algebra **AND**
  - MATH 1593 Plane Trigonometry

**Major Requirements**

**Science Education - Biology** .....65

**Biology**..... 26

Required courses:

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity
- BIO 2203 Cell Biology
- BIO 2211 Cell Biology Laboratory
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution

**Chemistry**..... 10

Required courses:

- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Recitation/Lab
- CHEM 1223 General Chemistry II **AND**
- CHEM 1232 General Chemistry II Recitation/Lab

**Physics**..... 8

Required courses:

- PHY 1114 General Physics I and Lab **OR**
- PHY 2014 Physics for Science and Engineering I and Lab
- PHY 1214 General Physics II and Lab **OR**
- PHY 2114 Physics for Science and Engineering II and Lab

**Minimum  
Required Hours**

**Mathematics** ..... 6

Required courses:

- MATH 2153 BioCalculus
- STAT 2103 Introduction to Statistics for Sciences

**Elective 3000/4000 Biology** ..... 15

Any 3000/4000 level BIO course

No more than two (2) hours of the following courses will count toward the minimum required hours for the Biology major.

- BIO 3000 Workshop in Biology
- BIO 3990 Advanced Topics in Biology
- BIO 4900 Practicum in Biology
- BIO 4930 Individual Study in Biology
- BIO 4950 Internship in Biology
- BIO 4960 Institute in Biology
- BIO 4970 Study Tour in Biology

**Professional Education** .....31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- ^BIO 4812 Teaching and Learning in Science Classrooms
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Minimum Hours required** ..... 128\*

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, and two years of a second language in high school.

Program: **Science Education** - continued  
Major: **Science Education - Biology**  
Degree: Bachelor of Science in Education (B.S.Ed.)

Dept: Biology  
College: Mathematics and Science  
Major Code: 6040

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- CONTINUED FROM PREVIOUS PAGE -

Graduating seniors must take a national assessment exam in Biology as a degree requirement for the B.S.Ed. in Science Education - Biology.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Science Education**  
 Major: **Science Education - Chemistry**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Chemistry**  
 College: **Mathematics and Science**  
 Major Code: **6041**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

- Math..... 3
- Life Science..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis..... 6**

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis ..... 3-4**

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis..... 3**

**Life Skills ..... 5**

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses  
Support Courses.....9-15**

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

Students majoring in the Chemistry Education program are encouraged to complete the following courses in high school.

Two years of high school Algebra and one year of Trigonometry **OR**

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry

**Major Requirements**

**Science Education - Chemistry ..... 65**

**Science Education Core ..... 37**

Biology ..... 9

Required courses:

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity

Chemistry..... 10

Required courses:

- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Recitation/Lab
- CHEM 1223 General Chemistry II **AND**
- CHEM 1232 General Chemistry II Recitation/Lab

Physics ..... 8

Required courses:

- PHY 1114 General Physics I and Lab **OR**
- PHY 2014 Physics for Science and Engineering I and Lab
- PHY 1214 General Physics II and Lab **OR**
- PHY 2114 Physics for Science and Engineering II and Lab

Earth Science ..... 4

- PHY 3014 Earth Science

Computer Science..... 3

- CMSC 1513 Beginning Programming

**Minimum  
Required Hours**

Mathematics..... 3  
 STAT 2103 Introduction to Statistics for Sciences

**Science Education - Chemistry ..... 28**

Required Courses..... 18

- CHEM 2104 Quantitative Analysis and Lab
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- CHEM 3323 Organic Chemistry II
- CHEM 3203 Introduction to Physical Chemistry
- CHEM 3403 Biochemistry I

Elective Courses..... 10

Any 3/4000 level Biology, Chemistry, Physics or Math courses

**Professional Education ..... 31**

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- ^BIO 4812 Teaching and Learning in Science Classrooms
- ^BIO 4853 General Methods of Teaching Science & Lab
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Minimum Hours required ..... 128\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, and two years of a second language in high school.

Program: **Science Education** - continued  
Major: **Science Education - Chemistry**  
Degree: Bachelor of Science in Education (B.S.Ed.)

Dept: Chemistry  
College: Mathematics and Science  
Major Code: 6041

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**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Science Education**  
 Major: **Science Education - General Science**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Biology**  
 College: **Mathematics and Science**  
 Major Code: **6042**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

• Math..... 3

• Life Science..... 4

• Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

Aesthetic Analysis..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis** ..... 3-4

Second Language..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
Required Hours**

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**.....9-15

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

Students majoring in the General Science Education program are encouraged to complete the following courses in high school.

Two years of high school Algebra and one year of Trigonometry **OR**

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry

**Major Requirements**

**Science Education - General Science**..... 64

**Science Education Core**..... 34

Biology ..... 9

Required courses:

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity

Chemistry..... 10

Required courses:

- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Recitation/Lab
- CHEM 1223 General Chemistry II **AND**
- CHEM 1232 General Chemistry II Recitation/Lab

Physics ..... 8

Required courses:

- PHY 1114 General Physics I and Lab **OR**
- PHY 2014 Physics for Science and Engineering I and Lab
- PHY 1214 General Physics II and Lab **OR**
- PHY 2114 Physics for Science and Engineering II and Lab

Mathematics..... 3

Required course:

- STAT 2103 Introduction to Statistics for Sciences

Earth Science ..... 4

Required course:

- PHY 3014 Earth Science

**Science Education - General Science**..... 30

Required courses:

- BIO 2203 Cell Biology
- BIO 2211 Cell Biology Laboratory
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution
- CHEM 2104 Quantitative Analysis and Lab
- CHEM 3303 Organic Chemistry I **OR**
- CHEM 3013 Organic Chemistry for Life Sciences
- CHEM 3312 Organic Chemistry I Lab **OR**
- CHEM 3022 Organic Chemistry for Life Sciences Laboratory
- PHY 1304 Descriptive Astronomy

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- ^BIO 4812 Teaching and Learning in Science Classrooms
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

#To be taken the same semester

- CONTINUED ON NEXT PAGE -

Program: **Science Education - continued**  
 Major: **Science Education - General Science**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Biology**  
 College: **Mathematics and Science**  
 Major Code: **6042**

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**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Minimum Hours required ..... 127\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, and two years of a second language in high school.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements.](#)

Program: **Science Education**  
 Major: **Science Education - Physical Science**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Engineering and Physics**  
 College: **Mathematics and Science**  
 Major Code: **6043**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**  
**Support Courses**.....9-15

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

Students majoring in the Physical Science Education program are encouraged to complete the following courses in high school.

Two years of high school Algebra and one year of Trigonometry **OR**

- MATH 1453 Applied Algebra **OR**
- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry

**Major Requirements**

**Science Education - Physical Science** ..... 65

**Science Education Core** ..... 37

Biology ..... 9

- Required courses:
- BIO 1204 Biology for Majors: Principles
  - BIO 1225 Biology for Majors: Diversity

Chemistry..... 10

- Required courses:
- CHEM 1103 General Chemistry I **AND**
  - CHEM 1112 General Chemistry I Recitation/Lab
  - CHEM 1223 General Chemistry II **AND**
  - CHEM 1232 General Chemistry II Recitation/Lab

\* Physics ..... 8

- Required courses:
- PHY 1114 General Physics I and Lab **OR**
  - PHY 2014 Physics for Science and Engineering I and Lab
  - PHY 1214 General Physics II and Lab **OR**
  - PHY 2114 Physics for Science and Engineering II and Lab

Earth Science ..... 4

- Required course:
- PHY 3014 Earth Science

**Minimum  
Required Hours**

Mathematics..... 3

- Required course:  
 STAT 2103 Introduction to Statistics for Sciences

Computer Science ..... 3

- Required course:  
 CMSC 1513 Beginning Programming

**Science Education - Physical Science** ..... 28

Required courses..... 20

- CHEM 2104 Quantitative Analysis and Lab
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- CHEM 3403 Biochemistry I
- CHEM 3442 Experimental Biochemistry
- PHY 1304 Descriptive Astronomy
- ENGR 1112 Introduction to Engineering and Lab

Elective Science ..... 8

- Select from the following:
- CHEM 3323 Organic Chemistry II
  - CHEM 3332 Organic Chemistry II Laboratory
  - CHEM 3203 Introductory Physical Chemistry
  - \*ENGR 2303 Electrical Science
  - \*ENGR 2311 Electrical Science Lab
  - \*ENGR 3403 Analog Electronics
  - \*ENGR 3421 Analog Electronics Laboratory
  - PHY 4910 Seminar in Physics (1 - 3 hours)

\* Students choosing to take PHY 1114 and PHY 1214 Gen Physics I & II can only take CHEM courses within the Elective Science due to prerequisites. To take Engineering courses, students must take PHY 2014 Physics for Science and Engineering I and Lab and PHY 2114 Physics for Science and Engineering II and Lab. PHY 2014 and 2114 have MATH 2313, 2323 and 2333 as prerequisites.

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology

Program: **Science Education** - continued  
 Major: **Science Education - Physical Science**  
 Degree: Bachelor of Science in Education (B.S.Ed.)

Dept: Engineering and Physics  
 College: Mathematics and Science  
 Major Code: 6043

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

- SPED 4123 Teaching Individuals with Disabilities
- ^BIO 4812 Teaching and Learning in Science Classrooms
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required  
 #To be taken the same semester

**Minimum Hours required ..... 128\***

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, and two years of a second language in high school.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... "C"
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).



Program: **Science Education**  
 Major: **Science Education - Physics**  
 Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Engineering and Physics**  
 College: **Mathematics and Science**  
 Major Code: **6044**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

• **Written and Oral Communication**..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science..... 4
- Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis**..... 6

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**  
**Support Courses**.....9-15

- MCOM 1113 Fundamentals of Speech
- ENG 1113 English Composition
- ENG 1213 English Composition and Research

- \*MATH 1533 Precalculus-Algebra **OR**
- MATH 1513 College Algebra **OR** Placement Score **AND**
- \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

**Major Requirements**

**Science Education - Physics** ..... 62

**Science Education Core** ..... 34

Biology ..... 9

- Required courses:
- BIO 1204 Biology for Majors: Principles
  - BIO 1225 Biology for Majors: Diversity

Chemistry..... 10

- Required courses:
- CHEM 1103 General Chemistry I **AND**
  - CHEM 1112 General Chemistry I Recitation/Lab
  - CHEM 1223 General Chemistry II **AND**
  - CHEM 1232 General Chemistry II Recitation/Lab

Physics ..... 8

- Required courses:
- PHY 2014 Physics for Science and Engineering I and Lab
  - PHY 2114 Physics for Science and Engineering II and Lab

Earth Science ..... 4

- Required course:
- PHY 3014 Earth Science

Computer Science..... 3

- Required course:
- CMSC 1513 Beginning Programming

**Minimum  
Required Hours**

**Science Education - Physics** ..... 28

Math Courses ..... 15

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations

Physics and Engineering Courses ..... 13

- ENGR 2033 Statics
- ENGR 2043 Dynamics
- ENGR 3303 Engineering Probability and Statistics
- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Lab

**Professional Education** ..... 31

- PTE 1010 Introduction to Teacher Education
- PTE 3023 Foundations of American Education/Clinical Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- ^BIO 4812 Teaching and Learning in Science Classrooms
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^PTE 4172 Educational Assessment
- ^PTE 4533 Contemporary Learning Sciences
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Internship/Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

#To be taken the same semester

**Minimum Hours required** ..... 125\*

\*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, and two years of a second language in high school.

Program: **Science Education**  
Major: **Science Education - Physics**  
Degree: **Bachelor of Science in Education (B.S.Ed.)**

Dept: **Engineering and Physics**  
College: **Mathematics and Science**  
Major Code: **6044**

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- CONTINUED FROM PREVIOUS PAGE -

**Minimum Graduation Requirements**

1. Overall GPA in all college course work ..... 2.50
2. Average in course work at UCO ..... 2.00
3. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)..... “C”
4. Proficiency in foreign language ..... Novice 4 level

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Software Engineering**  
 Major: **Software Engineering**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Computer Science**  
 College: **Mathematics and Science**  
 Major Code: **6110**

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum  
Required Hours**

**Support Courses**

**Support Courses**.....**0-9**

Students majoring in Software Engineering are encouraged to complete the following courses in high school.

Advanced Placement High School Programming Course **OR**  
 CMSC 1513 Beginning Programming

\*MATH 1533 Precalculus-Algebra **OR**  
 MATH 1513 College Algebra **OR** Placement Score **AND**  
 \*MATH 1593 Plane Trigonometry **OR** Placement Score

\*A grade of ‘C’ or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Upon completion of the above courses, corresponding university core requirements will be satisfied. (These courses are required for this major regardless of previous degrees conferred.)

**Major Requirements**

**Software Engineering** .....**78-81**

**Required**..... **55**

- ^CMSC 1613 Programming I
- ^CMSC 1621 Programming I Laboratory
- ^CMSC 2123 Discrete Structures
- ^CMSC 2613 Programming II
- ^CMSC 2621 Programming II Laboratory
- ^CMSC 2833 Computer Organization I
- ^SE 3103 Object Oriented Software Design and Construction
- ^CMSC 3613 Data Structures and Algorithms
- ^CMSC 3621 Data Structures/Algorithms Lab
- ^CMSC 4003 Applications of Database Management Systems
- ^SE 4283 Software Engineering I
- ^CMSC 4323 Computer and Network Security
- ^CMSC 4401 Ethics in Computing
- ^SE 4423 Software Engineering II
- ^SE 4433 Software Architecture and Design
- ^SE 4513 Software Engineering Senior Project \*
- ^MATH 2313 Calculus 1
- ^MATH 2323 Calculus 2

**Minimum  
Required Hours**

- ^MATH 2333 Calculus 3
- ^MATH 3143 Linear Algebra
- ^STAT 2113 Statistical Methods OR
- ^STAT 2103 Introduction to Statistics for Sciences **OR**
- ^STAT 4113 Mathematical Statistics I

^ A grade of ‘C’ or better must be earned in all required CMSC, SE, MATH and STAT courses.

\* SE 4513 is recommended to be taken in the last semester prior to graduation.

**Elective Science/Math courses** ..... **8-11**

Select a minimum of eight (8) hours including at least one of the CHEM or PHY lab courses:

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I Recitation/Laboratory
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II Recitation/Laboratory
- PHY 1114 General Physics I and Laboratory
- PHY 1214 General Physics II and Laboratory
- PHY 2014 Physics for Science & Engineering I and Lab
- PHY 2114 Physics for Science & Engineering II and Lab

Any non-required 2/3/4000 level MATH or STAT courses with the following exceptions: MATH 2013, 2053, 2113, 2123, 2133, 2153, 2743, 3323, or 4843.

**Elective Courses** ..... **9**

Choose nine (9) hours from one of the two application areas:

**Application Development**

- CMSC 3413 Enterprise Programming
- CMSC 4133 Concepts of Artificial Intelligence
- CMSC 4303 Mobile Apps Programming
- CMSC 4373 Web Server Programming

**System Development**

- CMSC 4023 Programming Languages
- CMSC 4063 Networks
- CMSC 4153 Operating Systems
- CMSC 4173 Translator Design
- CMSC 4193 Introduction to Robotics

Program: **Software Engineering**  
 Major: **Software Engineering**  
 Degree: **Bachelor of Science (B.S.)**

Dept: **Computer Science**  
 College: **Mathematics and Science**  
 Major Code: **6110**

**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**Elective CMSC or SE Courses..... 6**  
 Any 3/4000 level CMSC or SE courses except CMSC 4513

No more than three (3) hours of Internship and Individual Study combined may be used to satisfy the CMSC or SE elective requirement.

Credit cannot be received for both CMSC 3303 and SE 4283.

**Electives to bring total to..... 124**

**Minimum Grade Requirements**

Average in (a) all college course work, (b) course work at UCO,  
 and (c) major courses..... **2.00**

For other regulations pertaining to graduation, see  
[Academic Degree Requirements.](#)

# College of Math and Science Minors

A minor is an optional component of a student’s degree (unless otherwise stated) that, upon graduation, will be reflected on the student’s transcript. A student may earn a minor or multiple minors in the same program, provided the minor differ at the major level. Minors may not be earned independently of a bachelor’s degree granted by the University of Central Oklahoma. Minors may not be earned as a part of an associate degree. Minors do not appear on diplomas.

## Minimum Requirements for Minors

**Minimums for minors** unless otherwise specified:

<b>Total Hours</b> .....	<b>18</b>
<b>Upper Division Hours (3/4000 level)</b> .....	<b>6</b>
<b>Residency Hours</b> .....	<b>6</b>
<b>GPA</b> .....	<b>2.00</b>

### Biology

**Biology**.....**18-19**

Minor Code: 6019

Required courses:..... 12

- BIO 1204 Biology for Majors: Principles
- BIO 1225 Biology for Majors: Diversity
- BIO 2203 Cell Biology

Elective Biology (upper division)..... 6-7

Select 2 courses from this list:

- BIO 3054 Microbiology for Majors
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution

A grade of “C” or better is required in each course.

### Chemistry

**Chemistry** .....

Minor Code: 6079

Required courses..... 14

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I-Recitation/Lab
- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II-Recitation/Lab
- CHEM 2104 Quantitative Analysis and Lab

Elective Chemistry (3/4000 level) ..... 6

### Computer Science

**Computer Science** .....

Minor Code: 6119

Required courses..... 18

- CMSC 1613 Programming I
- CMSC 1621 Programming I Laboratory
- CMSC 2123 Discrete Structures
- CMSC 2613 Programming II
- CMSC 2621 Programming II Laboratory
- CMSC 2833 Computer Organization I
- CMSC 3613 Data Structures and Algorithms
- CMSC 3621 Data Structures/Algorithms Lab

Elective CMSC or SE Courses (3/4000 level)..... 3

### Engineering Physics

**Engineering Physics** ..... **18**

Minor Code: 6259

Required courses..... 14-15

- PHY 2014 Physics for Science and Engineering I and Lab
- PHY 2114 Physics for Science and Engineering II and Lab
- PHY 3103 Modern Physics
- ENGR 2033 Statics **OR**
- ENGR 2303 Electrical Science **AND**
- ENGR 2311 Electrical Science Lab

Elective Physics and Engineering ..... 3-4

Any 3000 or 4000 level ENGR course.

### Grief, Death, and Dying

**Grief, Death, and Dying**.....**18-19**

Minor Code: 6139

Required courses..... 9

- FNRL 3483 Psychology of Grief
- FNRL 3623 Thanatology and Unresolved Grief
- FNRL 4183 Natural History of Bereavement

Elective courses ..... 9-10

Selected from the following:

- FNRL 2313 Contemporary Funeral Service
- FNRL 3304 Restorative Art
- FNRL 3383 Funeral Service Statutory Law
- FNRL 3393 Mortuary Jurisprudence
- FNRL 3433 Introduction to Pathology
- FNRL 3493 Funeral Service Communication
- FNRL 3513 History of Funeral Directing

### Mathematics

**Mathematics** .....

Minor Code: 6179

Required courses..... 12

- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4

Elective Mathematics (3/4000 level) ..... 6

(May include three hours from a 3000 or 4000 level statistics course.)

### Science Education

**Science Education - Secondary Science Education**..... **18**

Minor Code: 6059

Required courses..... 18

- PTE 4333 Meeting Secondary Students’ Needs
- PTE 4433 Designing Instruction for Secondary Students
- PTE 4543 Managing Secondary Classrooms
- PTE 4623 Secondary Class Assessment
- BIO 4812 Teaching and Learning in Science Classrooms
- BIO 4853 General Methods of Teaching Science and Lab

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## *College of Math and Science Minors - continued*

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- \* BIO 4930 Individual Study in Biology (1 hour) **OR**
- PHY 4930 Individual Study in Physics (1 hour) **OR**
- CHEM 4930 Individual Study in Chemistry (1 hour)

\* Students will take the Individual Study from the Science Education coordinator within their content area.

A grade of "C" or better is required in each course.

### **Statistics**

**Statistics ..... 18**

Minor Code: 6178

Any 18 hours of Statistics (6 hours at 3/4000 level)

# Certificate

## Funeral Service Certificate

UCO Code: 6121

**I. General Courses ..... 27**

The following courses:

- HLTH 1112 Healthy Life Skills
- ENG 1113 English Composition
- ENG 1213 English Composition and Research
- MCOM 1113 Fundamentals of Speech
- BIO 1114 General Biology **OR**
- BIO 1214 General Biology and Lab
- CHEM 1014 Introduction to Chemistry and Lab
- PSY 1103 General Psychology
- MATH 1453 Applied Algebra **OR**
- higher level math

\* FNRL 4522 Board Review

**II. Basic Sciences ..... 11**

The following courses:

- BIO 2314 Introduction to Microbiology and Lab
- FNRL 2214 Intro Human Anatomy and Dissection
- FNRL 3433 Introduction to Pathology

**III. Mortuary Arts and Sciences ..... 20**

The following courses:

- FNRL 3054 Embalming Chemistry
- FNRL 3204 Embalming
- FNRL 3304 Restorative Art

\* FNRL 4118 Practicum in Embalming and Funeral Directing

**IV. Mortuary Administration ..... 30**

The following courses:

- FNRL 1211 Orientation to Funeral Service
- FNRL 2313 Contemporary Funeral Service
- FNRL 2413 Funeral Home Administration
- FNRL 3374 Funeral Home Management I
- FNRL 3383 Funeral Home Statutory Law
- FNRL 3393 Mortuary Jurisprudence
- FNRL 3493 Funeral Service Communication
- FNRL 3513 History of Funeral Directing
- FNRL 4214 Funeral Home Management II
- FNRL 3483 Psychology of Grief

\* Must be taken concurrently during a student's final semester.

**Total hours required ..... 88**

The above course work meets licensing examination requirements in many states. Additional college hours of credit are required for Oklahoma funeral directing and embalming licensure. Students should check with their home state for specific requirements. A minimum grade point average of 2.00 must be earned in all work applicable to the program. A minimum grade of "C" must be earned in all Funeral Service major courses. Students must have completed a minimum of 30 semester hours credit in residence at the University of Central Oklahoma including 15 hours in residence at UCO of the final 30 hours applied toward the certificate program.

National Board Examination scores, graduation rates, and employment rates for this and other ABFSE-accredited programs are available at [www.abfse.org](http://www.abfse.org). To request a printed copy of this program's scores and rates, go to: UCO Department of Funeral Service, CHS 154, 100 North University Drive, Edmond, OK 73034 or by e-mail at [funeralservice@uco.edu](mailto:funeralservice@uco.edu), or by telephone, (405) 974-5001.

The Department of Funeral Service Bachelor of Science Degree and Certificate of Completion Programs at the University of Central Oklahoma are accredited by the American Board of Funeral Service Education (ABFSE) 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097 (816)233-3747 [www.abfse.org](http://www.abfse.org)

**Student Learning Outcomes**

Upon completion of the accredited Bachelor's Degree and Certificate program, students will be able to:

- Explain the importance of funeral service professionals in developing relationships with the families and communities they serve.
- Identify standards of ethical conduct in funeral service practice.
- Interpret how federal, state, and local laws apply to funeral service in order to ensure compliance.
- Apply principles of public health and safety in the handling and preparation of human remains.
- Demonstrate technical skills in embalming and restorative art that are necessary for the preparation and handling of human remains.
- Demonstrate skills required for conducting arrangement conferences, visitations, services, and ceremonies.
- Describe the requirements and procedures for burial, cremation, and other accepted forms of final disposition of human remains.
- Describe methods to address the grief-related needs of the bereaved.
- Explain management skills associated with operating a funeral establishment.
- Demonstrate verbal and written communication skills and research skills needed for funeral service practice.

# *Interdisciplinary Studies*

*Academic Degree Programs*



Program: **Forensic Science**  
 Major: **Forensic Science**  
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute  
 Academic Affairs  
 Major Code: 7020

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication ..... 9**

**Quantitative Reasoning/Scientific Method ..... 10-11**

• Math..... 3

Life Science ..... 4

Physical Science..... 3-4

**Critical Inquiry and Aesthetic Analysis ..... 6**

Aesthetic Analysis ..... 3

Critical Inquiry..... 3

**American Historical and Political Analysis ..... 6**

American National Government ..... 3

American History ..... 3

**Cultural and Language Analysis ..... 3-4**

Second Language ..... 4

OR

Cultural Analysis..... 3

**Social and Behavioral Analysis ..... 3**

**Life Skills ..... 5**

Required Health Course..... 2

Elective Life Skills..... 3

**Minimum  
 Required Hours**

**Major Requirements**

**Forensic Science ..... 30**

**Required Courses..... 15**

- FRSC 2503 Intro to Forensic Science
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study in Forensic Sci (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours) **OR**
- FRSC 4970 Study Tour in Forensic Science (3 hours)

**Other Required Courses..... 3**

- STAT 2103 Intro to Statistics for Sciences **OR**
- STAT 2113 Statistical Methods **OR**
- PSY 2753 Psychological Statistics **OR**
- PSY 3713 Advanced Statistics **OR**
- SOC 4043 Sociological Statistics **OR**
- CJ 4043 Intro to CJ Statistics **OR**
- ECON 2173 Principles of Business Statistics

**Electives ..... 12**

Select from the following or others as approved by the Forensic Science Undergraduate Coordinator to bring total hours in major to 30. Fifteen hours of the total 30 hours must be upper division courses.

- FRSC 2000 Topics in Forensic Science
- FRSC 2613 Behavioral Aspects of Crime Scenes
- FRSC 2713 Digital Evidence
- FRSC 2733 DNA for Crime Scene Investigators
- FRSC 2823 Wildlife Forensics
- FRSC 3000 Workshop in Forensic Science
- FRSC 3223 Landmark Cases in Forensic Science
- FRSC 3323 Forensic Interviewing
- FRSC 3333 Forensic Investigation of Mass Disasters
- FRSC 3423 Clandestine Laboratories
- FRSC 3990 Advanced Topics in Forensic Science
- FRSC 4143 Crime Scene Reconstruction
- FRSC 4153 Crime Scene Photography
- FRSC 4163 Medicolegal Forensics
- FRSC 4243 Forensic Psychology
- FRSC 4263 Forensic and Biological Anthropology

- FRSC 4273 Advanced Fingerprint Analysis
- FRSC 4303 Forensic Archaeology
- FRSC 4313 Forensic Pathology
- FRSC 4323 Forensic Toxicology & Lab
- FRSC 4333 Forensic Molecular Biology & Lab
- FRSC 4343 Forensic Serology & Lab
- FRSC 4353 Firearm and Toolmark Analysis
- FRSC 4413 Bloodstain Pattern Analysis
- FRSC 4423 Bloodstain Pattern Analysis II
- FRSC 4443 Forensic Arson Investigation
- FRSC 4463 Digital Forensics & Lab
- FRSC 4513 Forensic Chemistry & Lab
- FRSC 4533 Forensic Microscopy & Lab
- FRSC 4543 Advanced Firearm and Toolmark & Lab
- FRSC 4553 WMD Forensics
- FRSC 4613 Advanced Forensic DNA Analysis and Lab
- FRSC 4633 Digital Forensics Tools and Analysis & Lab
- FRSC 4653 Mobile Device Forensics & Lab
- FRSC 4673 Network Forensics & Lab
- FRSC 4713 Forensic Pharmacology
- FRSC 4813 Ethics and Professional Development
- FRSC 4910 Seminar in Forensic Science
- FRSC 4930 Individual Study in Forensic Science
- FRSC 4940 Field Study in Forensic Science
- FRSC 4950 Internship in Forensic Science
- FRSC 4960 Institute in Forensic Science
- FRSC 4970 Study Tour in Forensic Science
- FRSC 4980 Workshop in Forensic Science

**Additional Degree**

All students completing a B.S. in Forensic Science must complete an additional degree. The B.S. in Forensic Science may be combined with any UCO undergraduate major with the exception of General Studies.

The Forensic Science undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science degree: (A) Earn a concurrent degree; (B) Earn a second bachelor's degree.

Program: **Forensic Science**  
 Major: **Forensic Science**  
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute  
 Academic Affairs  
 Major Code: 7020

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**Minimum  
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

**The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO..... 2.25
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see [Academic Degree Requirements](#).

Program: **Forensic Science**  
 Major: **Forensic Science - Chemistry**  
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute  
 Academic Affairs  
 Major Code: 7021

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

Minimum  
Required Hours

Minimum  
Required Hours

**Major Requirements**

**Forensic Science - Chemistry** ..... 32

**Required Courses**..... 24

- FRSC 2503 Intro to Forensic Science
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4323 Forensic Toxicology & Lab
- FRSC 4513 Forensic Chemistry & Lab
- FRSC 4533 Forensic Microscopy & Lab
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours)

**Other Required Courses**..... 8

- BIO 1114 General Biology
- BIO 1211 University Life Sciences Lab
- STAT 2103 Intro to Statistics for Sciences

**The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.**

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO..... 2.25
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

**Additional Degree (Chemistry, Chemistry ACS, or Chemistry-Health Sciences)**

All students completing a B.S. in Forensic Science-Chemistry must complete an additional degree. The B.S. in Forensic Science-Chemistry must be combined with the B.S. in Chemistry or B.S. in Chemistry-ACS Certificate or B.S. in Chemistry-Health Sciences.

The Forensic Science-Chemistry undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Chemistry degree: (A) Earn a concurrent degree by completing requirements in the Chemistry or Chemistry ACS or Chemistry - Health Sciences program and the additional 32 hours in the Forensic Science-Chemistry program; (B) Earn a second bachelor’s degree after possessing an appropriate Chemistry degree by completing 32 hours in the Forensic Science-Chemistry program.

Program: **Forensic Science**  
 Major: **Forensic Science - Digital Forensics**  
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute  
 Academic Affairs  
 Major Code: 7023

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis** ..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

Minimum  
Required Hours

**Major Requirements**

**Forensic Science - Digital Forensics** ..... 36

**Required Courses**..... 36

- FRSC 2503 Intro to Forensic Science
- FRSC 2713 Digital Evidence
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4463 Digital Forensics & Lab
- FRSC 4633 Digital Forensics Tools and Analysis & Lab
- FRSC 4653 Mobile Device Forensics & Lab
- FRSC 4673 Network Forensics & Lab
- ISOM 3343 IT Security and Risk Management **OR**
- CMSC 4323 Computer and Network Security
- CJ 4523 Cyber Crime
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours)

- PHY 1114 General Physics I & Lab **AND**
- PHY 1114L General Physics I Laboratory
- PHY 1214 General Physics II & Lab **AND**
- PHY 1214L General Physics II Laboratory
- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Recitation/Laboratory
- CHEM 1223 General Chemistry II **AND**
- CHEM 1232 General Chemistry II Recitation/Laboratory
- BIO 1114 General Biology **AND**
- BIO 1211 University Life Sciences Lab

The following courses are required for all four tracks in Computer Science/Software Engineering and must be chosen as a part of the degree requirements:

- CMSC 3413 Enterprise Programming **OR**
- CMSC 4303 Mobile Apps Programming **OR**
- CMSC 4373 Web Server Programming
- CMSC 4153 Operating Systems

**Additional Degree**

All students completing a B.S. in Forensic Science-Digital Forensics must complete an additional degree in one of five majors. The B.S. in Forensic Science-Digital Forensics must be combined with the B.B.A. in Information and Operations Management - Management Information System (MIS degree), B.S. in Computer Science, B.S. in Computer Science-Applied, B.S. in Computer Science-Information Science, or B.S. in Software Engineering.

The Forensic Science-Digital Forensics undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Digital Forensics degree: (A) Earn a concurrent degree by completing requirements in one of the five majors above and the additional 36 hours in the Forensic Science-Digital Forensics program; (B) Earn a second bachelor's degree after possessing an appropriate MIS, Computer Science or Software Engineering degree by completing 36 hours in the Forensic Science-Digital Forensics program.

At least two courses from the following list, each with an associated laboratory, must be completed by all students:

**The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.**

**Minimum Grade Requirements**

1. **Average in all college course work and course work at UCO**..... 2.25
2. **A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

Program: **Forensic Science**  
 Major: **Forensic Science - Molecular Biology**  
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute  
 Academic Affairs  
 Major Code: 7022

**University Core (Total Listed 42-44)**

For a full list of courses see [University Core](#).

• Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ..... 9

**Quantitative Reasoning/Scientific Method** ..... 10-11

- Math..... 3
- Life Science ..... 4
- Physical Science ..... 3-4

**Critical Inquiry and Aesthetic Analysis** ..... 6

- Aesthetic Analysis ..... 3
- Critical Inquiry ..... 3

**American Historical and Political Analysis** ..... 6

- American National Government ..... 3
- American History ..... 3

**Cultural and Language Analysis** ..... 3-4

- Second Language ..... 4
- OR
- Cultural Analysis..... 3

**Social and Behavioral Analysis**..... 3

**Life Skills** ..... 5

- Required Health Course..... 2
- Elective Life Skills..... 3

Minimum  
Required Hours

**Major Requirements**

**Forensic Science - Molecular Biology**.....36

**Required Courses**..... 36

- FRSC 2503 Intro to Forensic Science
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4333 Forensic Molecular Biology & Lab
- FRSC 4343 Forensic Serology & Lab
- FRSC 4533 Forensic Microscopy & Lab
- FRSC 4613 Advanced Forensic DNA Analysis and Lab
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours)
- PHY 1214 General Physics II & Lab
- CHEM 3323 Organic Chemistry II
- CHEM 3332 Organic Chemistry II Lab

**Additional Degree (Biology, Biology-Biomedical Sciences, or Biology-Medical Laboratory Science)**

All students completing a B.S. in Forensic Science-Molecular Biology must complete an additional degree. The B.S. in Forensic Science-Molecular Biology must be combined with the B.S. in Biology, Biology-Biomedical Sciences, or Biology-Medical Laboratory Science.

The Forensic Science-Molecular Biology undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Molecular Biology degree: (A) Earn a concurrent degree by completing requirements in the Biology or Biology-Biomedical Sciences, or Biology-Medical Laboratory Science program and the additional 36 hours in the Forensic Science-Molecular Biology program; (B) Earn a second bachelor’s degree after possessing an appropriate Biology degree by completing 36 hours in the Forensic Science-Molecular Biology program.

**The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.**

The following courses are required and will prepare the student to meet The FBI Quality Assurance Standards For Forensic DNA Testing Laboratories and must be chosen as a part of the Biology or Biology-Biomedical Sciences or Biology-Medical Laboratory Science degree requirements:

- BIO 3303 Genetics
- BIO 3311 Genetics Lab
- BIO 4743 Population Genetics & Lab
- CHEM 3403 Biochemistry

**Minimum Grade Requirements**

1. **Average in all college course work and course work at UCO**..... 2.25
2. **A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.**

**For other regulations pertaining to graduation, see [Academic Degree Requirements](#).**

# Course Descriptions

## Course Subject Key

ACCT	Accounting, Department of Accounting	KINS	Kinesiology, Department of Kinesiology and Health Studies
ACM	Academy of Contemporary Music	KOR	Korean, Department of Modern Languages, Literatures, and Cultural Studies
AESS	Adult Education and Safety Sciences, Department of Adult Education and Safety Sciences	LATN	Latin, Department of Modern Languages, Literatures, and Cultural Studies
ARAB	Arabic, Department of Modern Languages, Literatures, and Cultural Studies	LEAD	Leadership
ART	Arts, Department of Art	LS	Legal Studies, Department of Finance
BADM	Business Administration, Department of Economics	MATH	Mathematics, Department of Mathematics and Statistics
BCOM	Business Communication, Department of Marketing	MCOM	Mass Communication, Department of Mass Communication
BIO	Biology, Department of Biology	MGMT	Management, Department of Management
BME	Biomedical Engineering, Department of Engineering and Physics	MLSC	Military Science, Department of Military Science
CEPS	College of Education and Professional Studies	MPER	Music Performance, School of Music
CHEM	Chemistry, Department of Chemistry	MRKT	Marketing, Department of Marketing
CHIN	Chinese, Department of Modern Languages, Literatures, and Cultural Studies	MUED	Music Education, School of Music
CJ	Criminal Justice, School of Criminal Justice	MUS	Music, School of Music
CMSC	Computer Science, Department of Computer Science	NTRN	Nutrition, Department of Human Environmental Sciences
CSDY	Creative Studies, Department of English	NURS	Nursing, Department of Nursing
CTWD	Career, Technical, and Workforce Development, Department of Adult Education and Safety Sciences	OCTE	Occupational Technology Education, Department of Adult Education and Safety Sciences
DANC	Dance, Department of Dance	ORGL	Organizational Leadership, Department of Adult Education and Safety Sciences
DES	Design, Department of Design	PGA	Professional Golf Management, Department of Management
ECED	Early Childhood Education, Department of Curriculum and Instruction	PHED	Physical Education, Department of Kinesiology and Health Studies
ECON	Economics, Department of Economics	PHIL	Philosophy, Department of Humanities and Philosophy
ELED	Elementary Education, Department of Curriculum and Instruction	PHY	Physics, Department of Engineering and Physics
ENG	English, Department of English	POL	Political Science, Department of Political Science
ENGR	Engineering, Department of Engineering and Physics	PSY	Psychology, Department of Psychology
ENTR	Entrepreneurship, Department of Management	PTE	Professional Teacher Education, Department of Educational Services, Foundations and Research
FACS	Family and Consumer Science Education, Department of Adult Education and Safety Sciences	READ	Reading, Donna Nigh Department of Advanced Professional and Special Services
FIN	Finance, Department of Finance	REC	Recreation, Department of Kinesiology and Health Studies
FLGN	Foreign Languages, Department of Modern Languages, Literatures, and Cultural Studies	SAS	Substance Abuse Studies, Department of Sociology, Gerontology, and Substance Abuse Studies
FMCD	Family and Child Development, Department of Human Environmental Sciences	SE	Software Engineering, Department of Computer Science
FMKT	Fashion Marketing, Department of Human Environmental Sciences	SFTY	Safety, Department of Adult Education and Safety Sciences
FNRL	Funeral Service, Department of Funeral Service	SLP	Speech-Language Pathology, Donna Nigh Department of Advanced Professional and Special Services
FRCH	French, Department of Modern Languages, Literatures, and Cultural Studies	SNSK	Sanskrit, Department of Modern Languages, Literatures, and Cultural Studies
FRSC	Forensic Science, Forensic Science Institute	SOC	Sociology, Department of Sociology, Gerontology, and Substance Abuse Studies
GEO	Geography, Department of History and Geography	SOST	Social Studies, Department of History and Geography
GERM	German, Department of Modern Languages, Literatures, and Cultural Studies	SPAN	Spanish, Department of Modern Languages, Literatures, and Cultural Studies
GRK	Greek, Department of Modern Languages, Literatures, and Cultural Studies	SPED	Special Education, Donna Nigh Department of Advanced Professional and Special Services
HIST	History, Department of History and Geography	STAT	Statistics, Department of Mathematics and Statistics
HLTH	Health, Department of Kinesiology and Health Studies	TESL	Teaching English as a Second Language, Department of Curriculum and Instruction.
HUM	Humanities, Department of Humanities and Philosophy	THRT	Theatre Arts, Department of Theatre Arts
IB	International Business, Department of Economics	UCOL	University College
IME	Instructional Media, Donna Nigh Department of Advanced Professional and Special Services	UNIV	University Courses
ISOM	Information Systems and Operations Management, Department of Information Systems and Operations Management		
ITAL	Italian, Department of Modern Languages, Literatures, and Cultural Studies		
JAPN	Japanese, Department of Modern Languages, Literatures, and Cultural Studies		

**ACCOUNTING (ACCT)**  
**Department of Accounting**

**ACCT 2000 - Topics In Accounting**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ACCT 2113 - Accounting I**

An introductory course in analyzing, processing, and using financial data of business entities.

**ACCT 2133 - Accounting II**

A continuation of ACCT 2113 with increased emphasis upon the interpretation and use of accounting data by internal and external users. Prerequisite(s): ACCT 2113.

**ACCT 2223 - Survey of Accounting**

This course provides, in a one-semester format, a survey of accounting concepts and procedures that will enable students to be informed users of financial information in a business setting. Students required to take both ACCT 2113 and ACCT 2133 may not take this course. Prerequisite(s): Business, Business Education, and Computer Science-Info Science majors may not enroll in this course. Sophomore standing or above required.

**ACCT 3000 - Workshop In Accounting**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ACCT 3113 - Managerial Accounting**

Managerial Accounting is an undergraduate accounting course designed for the non-accounting major emphasizing the analysis and interpretation of accounting data for management decision-making purposes. Areas of content include: financial statement interpretation, cost control, break-even analysis, budgeting, and capital expenditures. Credit may not be earned in both ACCT 3113 and ACCT 3413. Prerequisite(s): ACCT 2113, 2133.

**ACCT 3213 - Intermediate Accounting I**

This course provides an intensive review of the accounting cycle and a detailed study of financial accounting theory relating to assets and ratio analysis. Prerequisite(s): ACCT 2113, 2133 with a minimum of "C" grade in each and MATH 2053.

**ACCT 3233 - Intermediate Accounting II**

This course provides a study of liabilities and stockholders' equity, the statement of cash flows, and special issues. Prerequisite(s): ACCT 3213 with a grade of "B" or above.

**ACCT 3333 - Income Tax Accounting**

This course requires students to study the federal tax law as it pertains to individuals, with an emphasis on application. Prerequisite(s): ACCT 3213 with a grade of "B" or above.

**ACCT 3413 - Cost Accounting**

This course provides an intensive study of managerial and cost accounting concepts including process and job order costing, standard costing, budgeting and responsibility accounting, capital budgeting, inventory management, and performance measurements and controls in both domestic and multinational organizations. Credit may not be earned in both ACCT 3113 and 3413. Prerequisite(s): ACCT 2113 and 2133 with a minimum grade of "C" in both and MATH 2053.

**ACCT 3423 - Data Analysis for Accountants**

This course examines data analysis techniques useful to accountants in industry, public practice or nonprofit organizations. Students will gain experience in using functions, manipulating data, creating reports in spreadsheets, and using data management and analysis software. Prerequisite(s): ACCT 3213 and 3413, ISOM 3323.

**ACCT 3433 - Accounting Information Systems**

Examines the relationships and distinctions between accounting information systems (AIS) and the total management information system, with major emphasis on computerized AIS. Explores selected AIS application subsystems. Prerequisite(s): ACCT 2133.

**ACCT 3513 - Tax Planning**

This course deals with tax planning for individuals by examining fundamental tax law, characteristics of various individual tax topics, and their implications, including calculations of tax liability. Prerequisite(s): ACCT 2113 and ACCT 2133 with junior standing or above. Enrollment not open for Accounting and Accounting Certificate majors.

**ACCT 3990 - Advanced Topics In Accounting**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ACCT 4013 - Oil And Gas Accounting**

Designed to introduce the student to the principles and procedures of oil and gas accounting with an introduction and overview of income tax problems related to the industry. Prerequisite(s): ACCT 3333, 3213, 3233.

**ACCT 4113 - Accounting Ethics & Professionalism**

This course provides an overview of basic ethical theories and applies these theories to personal, business, and accounting ethical dilemmas. The course presents dilemmas that challenge the students to consider their personal and professional ethics. These dilemmas will help students understand how to act in a professional manner as guided by their personal ethical values and the Professional Code of Conduct. Prerequisite(s): 15 hours of accounting including ACCT 3233 and senior standing. Enrollment open to Accounting majors and students in the Accounting Certificate only.

**ACCT 4213 - Advanced Income Tax Accounting**

The income tax course covers matters dealing with Section C corporations, Sub-Chapter S corporations, partnerships and property transactions including depreciation recapture. Prerequisite(s): ACCT 3213, 3333.

**ACCT 4243 - Advanced Cost Accounting**

Advanced principles of cost accounting, problems dealing with capital budgeting, standard costs, budgets, and cost analysis. Prerequisite(s): ACCT 3413.

**ACCT 4283 - Advanced Accounting**

Includes the following topics: accounting for partnerships, recording foreign currency transactions, translating foreign currency statements, interim reporting, segment reporting, accounting for troubled debt restructuring, accounting for bankruptcies and liquidation, accounting for leases and pensions, and reporting for estates and trusts. Prerequisite(s): ACCT 3233 with a minimum grade of "C".

**ACCT 4313 - Governmental/Nonprofit Accounting**

This course provides a study of fund accounting in relation to governmental entities and nonprofit organizations including hospitals and educational institutions. Prerequisite(s): ACCT 3233.

**ACCT 4323 - Consolidated Statements**

A study of the techniques of preparing consolidated balance sheets and income statements of parent companies and subsidiaries. Prerequisite(s): ACCT 3233.

**ACCT 4363 - Auditing**

An introduction to the auditing process and the public accounting profession. Emphasizes generally accepted auditing standards; selected techniques for audit decisions; audit objectives and how they are met through evidence accumulation and evaluation; and auditor's reports. Prerequisite(s): 18 hours of accounting including ACCT 3233 with a minimum grade of "C".

**ACCT 4373 - Internal Auditing**

A comprehensive study of internal auditing, covering the code of ethics, standards, and the major components of internal auditing. Prerequisite(s): ACCT 4363.

**ACCT 4383 - Fraud Auditing**

A comprehensive study of fraud auditing including specific methods of fraud detection and the related investigative techniques. Prerequisite(s): ACCT 4363.

**ACCT 4411 - CPA Review - Audit**

This course is an intensive review of auditing concepts and professional standards and prepares students to pass the Auditing section of the Certified Public Accountant examination. Pass/Fail grade will be given. Prerequisite(s): 27 hours upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

**ACCT 4421 - CPA Review - Business and Economic Concepts**

This one-hour course is an intensive review of business, economic, and accounting concepts and prepares students to pass the Business and Economic Concepts section of the Certified Public Accountant examination. This course will be graded as Pass/Fail. Prerequisite(s): 27 hours of upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

**ACCT 4432 - CPA Review-Regulation**

This course is an intensive review of income tax and business law rules and regulations and prepares students to pass the Regulations section of the Certified Public Accountant examination. Pass/Fail grade will be given. Prerequisite(s): 27 hours upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

**ACCT 4442 - CPA Review-Financial Accounting and Reporting**

This course is an intensive review of financial accounting concepts and rules and prepares students to pass the Financial Accounting and Reporting section of the Certified Public Accountant examination. Pass/Fail grade will be given. Prerequisite(s): 27 hours upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

**ACCT 4900 - Practicum In Accounting**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ACCT 4910 - Seminar In Accounting**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ACCT 4920 - Workshop In Accounting**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ACCT 4930 - Individual Study In Accounting**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ACCT 4940 - Field Study in Accounting**

Credit will vary from 1 to 9 hours. Subject matter will vary within the departments field of study.

**ACCT 4950 - Internship**

Credit may vary from 1 to 8 hrs.

**ACADEMY OF CONTEMPORARY MUSIC (ACM)**  
**Academy of Contemporary Music**

**ACM 1132 - Music Culture**

Through analysis of different social, cultural, historical, and economic and political musical influences, students will develop the ability to

recognize, discuss and analyze different musical genres through the decades.

**ACM 1142 - Music Fundamentals**

A beginning course in the fundamentals of music. This course consists of a study of rhythm, music notation, and musical terminology, including learning the staff, notes, intervals, scales, modes, chords, keys and signatures. It also develops a basic understanding of music notation and basic structures. This course will also introduce notation devices of popular and jazz music including chord symbols and lead sheets.

**ACM 1152 - Aural Skills**

This is the second course in the theory sequence at ACM. Students will develop their sense of aural perception through practical and theoretical exercises. This course will emphasize strategies for accurate and expressive reading, improvising, singing, and dictation using elementary rhythms and genre-appropriate pitch materials. Prerequisite(s): ACM 1142.

**ACM 1171 - Applied Instruction I**

Applied Instruction I provides the student with college entry level study in the major applied area. Lesson content will include but not be limited to such factors as technique, physiological concerns, and musical interpretation. Instructional materials will include materials such as exercises, and etude literature, along with solo and collaborative repertoire. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Prerequisite(s): Enrollment open to Contemporary Music Performance majors and minors only.

**ACM 1212 - Intro to the Music Industry**

This course will give students the opportunity to examine various professional areas of the music industry, including the study of marketing tools, contractual issues, arts management, and career opportunities.

**ACM 1222 - Beginning Keyboard Skills**

This course will give students the opportunity to develop musical skills and knowledge in the use of keyboards at an introductory level in a variety of applications.

**ACM 1252 - Studio Recording I**

This course will prepare students for a studio recording session and the variety of set-up procedures required to operate in a commercial studio. Prerequisite(s): Enrollment open to Contemporary Music Production majors and minors only.

**ACM 1272 - Sonic Fundamentals**

This course is an introduction to the physics of sound, digital audio theory and studio electronics. Students will acquire a basic knowledge of sound, acoustics, perception, basic circuits and the science behind the equipment used in audio production.

**ACM 1363 - Introduction to Artist Development**

This is an introductory course focusing on artist development concepts and activities as it relates to the contemporary music industry. Concepts and techniques will be presented and discussed as it relates to the discovery and development of new talent in preparation for a professional contemporary music industry career.

**ACM 1412 - Music and Media**

This course gives students the opportunity to discover how music is used in the world of multimedia. Students will have hands-on experience in creating a multimedia portfolio using a variety of industry specific software packages.

**ACM 1422 - The Freelance World**

This course gives students the opportunity to examine the financial and contractual issues of self-employment and to develop an awareness of what it means to work in various aspects of the music industry market.



**ACM 1432 - Studio Recording II**

This course gives students the opportunity to learn the practical skills involved in producing a multi-track recording. Students will also apply appropriate skills for mix-down and editing, leading to the finished product. Prerequisite(s): ACM 1252. Enrollment open to Contemporary Music Production majors and minors only.

**ACM 1512 - Live Sound Fundamentals**

This course is an introduction to live sound. Students will learn to set up small sound systems and practice mixing techniques used in live music venues. This course will examine trouble shooting techniques, microphone placement, speaker placement and equipment used in live sound reinforcement.

**ACM 1522 - DAW I**

This course is an introduction to digital audio workstations (DAW) and how they are used in the recording studio. Students will examine setting up recording sessions in the AVID ProTools 101 environment as well as editing and audio processing.

**ACM 1622 - DAW II**

This course is a continuation of DAW I. DAW II provides a look at how digital audio workstations are used in the recording studio. Students will examine editing, midi, plug-ins and software instruments within the AVID Pro-Tools 110 environment. Students who pass the DAW I and DAW II exams with scores of at least 80% will be eligible for AVID Pro Tools 100 level certification. Prerequisite(s): ACM 1522.

**ACM 1722 - Topline Writing**

This course is designed to give the songwriter opportunities to explore the craft of writing lyrics and melodies (the topline) to existing music tracks. The course will allow the student to explore melodic improvisation to design hook phrases as well as lyrical concepts.

**ACM 2000 - Topics in ACM**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**ACM 2012 - Songwriting I**

This course will give students the opportunity to begin to develop their compositional skills through the practical study of various industry techniques and stylistics. Prerequisite(s): ACM 1142.

**ACM 2122 - Repertoire Development I**

This course provides students with the opportunity to learn a variety of contemporary music repertoire in an instructor directed rehearsal environment. Charting, arranging, and rehearsal techniques will be explored in order to prepare for rehearsals and performances. Students will analyze and recreate the styles, sounds and techniques used in the production of various contemporary musical works and how to best adapt them for live performances. Prerequisite(s): Concurrent enrollment in ACM 2142. This course may be taken four times for credit. Enrollment open to Contemporary Music Performance majors and students seeking a Contemporary Music Performance minor.

**ACM 2142 - Live Performance I**

This course is a companion course to ACM 2122 where students are given the opportunity to learn a variety of contemporary music repertoire in an instructor directed rehearsal environment. Charting, arranging, and rehearsal techniques will be explored in order to prepare for rehearsals and performances. Students will also analyze and recreate styles, sounds, and techniques used in the production of various contemporary musical works and how to best adapt them for live performances. Prerequisite(s): Concurrent enrollment in ACM 2122 is required. Enrollment open to Contemporary Music Performance majors and students seeking a Contemporary Music Performance minor only.

**ACM 2163 - Music Business Fundamentals**

Students will begin to discover how business and marketing skills can enable musicians to realize the commercial potential of the industry.

This beginning course gives an overview of the music industry and the competitive market.

**ACM 2171 - Applied Instruction II**

Applied Instruction II builds upon the foundational study received in ACM 1711, developing more advanced levels of technique and interpretation. Study materials will typically confront the student with and require the development of independent evaluative and interpretative skills. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Prerequisite(s): ACM 1171. Enrollment open to Contemporary Music Performance majors and minors only.

**ACM 2212 - Studio Recording III**

This course will cover the beginning skills and knowledge required to operate in a professional studio environment. This course will introduce the student to microphone techniques, the recording of various instruments, basic studio acoustics and monitoring, and basic cabling. Prerequisite(s): ACM 1432. Enrollment open to Contemporary Music Production majors and minors only.

**ACM 2222 - Music IT I**

This course will cover the beginning aspects of music production using Logic Pro, including areas of software/hardware, MIDI, keyboard skills, sequencing, hard disk recording, sound editing and score writing. This beginning course gives the opportunity for beginning development of skills gained in other areas of the course.

**ACM 2232 - Post Production in Technology**

This course introduces students to the basic concepts and issues involved in combining sound with image, whether in films, commercials or TV programs. The content of the course will be examined from both a technical and aesthetic standpoint as well as provide students with the historical overview of its development from the early 1920s to its contemporary usage. Students will have the opportunity to gain practical experience in some of the more common sound-image techniques.

**ACM 2253 - Introduction to Concert & Tour Management**

This is an introductory course focusing on the management of live performances. The course will focus on the logistics, finances, marketing, and operations aspects of both individual concerts and tours at a basic level. Prerequisite(s): ACM 1212 or ACM 1213.

**ACM 2263 - Music Industry Marketing**

This course is designed to give an introductory overview of the marketing, merchandising, and retail aspects of selling contemporary music, both historically and with a view toward the future. Prerequisite(s): ACM 1212 or 1213.

**ACM 2272 - Writing Music for Radio**

From radio hits to jingles, this course is an in-depth study of the lyrics and melodies that live in the minds of millions. In this course, students will examine the craft of writing hit songs and identify the elements and the industry that comprise them.

**ACM 2373 - Music & Meaning**

This is an examination of Western philosophy's major movements and thinkers, considered alongside the music of their respective eras, examining how they interacted and evaluated one another, with an emphasis on aesthetic reflection with respect to contemporary music and its interactions with modern and post-modern philosophy.

**ACM 2383 - Social Media Revolution**

Social Media Revolution provides an overview of the way businesses use social media to engage customers and the ability of customers to affect the opinions of their peers. Students will give special consideration to creating communities that shape the perception of brands in the contemporary music business.

**ACM 2422 - Cultural Studies**

This course introduces the students to a broad understanding of the ways in which the contemporary music industry has developed over the last century. The course covers the development of the industry from a cultural perspective, exploring topics with a view to understanding the sociological, economic, political, and technical factors involved.

**ACM 2432 - Composition & Arranging II**

This course continues with advanced methods of composing, arranging and producing music. Students will examine a wide range of genres, including hit records, film/TV music, game music and radio jingles. Prerequisite(s): ACM 2032. Enrollment open to ACM majors only.

**ACM 2442 - Music IT II**

This course will cover the advanced applications of music production using Ableton Live, including areas in advanced software/hardware, MIDI, keyboard skills, sequencing, hard disk recording, sound editing and score writing. This advanced course continues the development of skills gained in MIT I.

**ACM 2453 - Music Business Capstone**

This course will focus on practical applications of concepts and methodologies of the music industry based on previous coursework. Such practical applications will include: marketing, merchandising, touring, digital media sales, and artist development. Prerequisite(s): ACM 1212 and ACM 2543. Enrollment open to Contemporary Music majors only.

**ACM 2473 - Contemporary Music Apprec**

This course will introduce students to major historical, cultural and technological trends that affect American popular music, and to highlight the biggest artists, genres, and trends that defined pop music over the past sixty years. Our lens of examination will be focused on the study of #1 songs as recorded by the Billboard Hot #100. Students will also be introduced to different ways of listening to music and to different psychological theories explaining why we listen to music.

**ACM 2512 - Songwriting II**

This course will give students the opportunity to develop their compositional and lyric-writing skills through the practical study of various industry techniques and stylistics. Students will explore various technologies for songwriting production and demo creation. Prerequisite(s): ACM 2012.

**ACM 2543 - Artist Management**

This course will focus on the broad and detailed aspects of contemporary music artist management. Focus will include: management roles, finances, marketing, and daily operations as they relate to managing the careers of performers, producers, composers, and other contemporary music artists. Prerequisite(s): ACM 1212 or ACM 1213.

**ACM 2551 - Session Lab**

Session Lab provides a real world studio session environment for songwriters, engineers, musicians and producers to team up to create new music. All students in the course will gain recording session and writing session experience. This course may be taken three times for credit.

**ACM 2623 - Record Label Operations I**

This course will be focused on the broad and detailed aspects of record label development and operations. Focuses will include both major labels and independents and will cover both the history of contemporary music labels and current and future trends and the operational aspects involved in each. Prerequisite(s): ACM 1212 or ACM 1213.

**ACM 2642 - Beginning Production Technique**

Beginning Production Techniques will introduce the student to the necessary production concepts to efficiently create music in a studio environment, produce song demos, and enhance live performances.

**ACM 2663 - Music Publishing**

This course introduces students to the various roles of music publishing

companies, including the administration of musical works, subpublishing, and synchronization licensing.

**ACM 2712 - Studio Recording IV**

This course will cover the advanced skills and knowledge required to operate in a professional studio environment. This course will also integrate mixing desks, multi-track recorders, hard disk recorders, monitoring systems, synchronization, basic acoustics, live recording, synthesis, samplers, MIDI controllers, Outboard FX and mastering. Prerequisite(s): ACM 2212.

**ACM 2723 - Music Marketing, Merchandising & Retail II**

This course is designed to focus on the specific operational needs and requirements of the marketing, merchandising, and retail sales of contemporary music based on current and future trends.

**ACM 2753 - Applied New Media**

Applied New Media provides students with the opportunity to discover how music is used in the world of multimedia. Students will have hands-on experience in creating a multimedia portfolio using a variety of industry specific software packages.

**ACM 2783 - Business Mgmt for Artists**

This course provides upper-division music business students with an in-depth look into selecting and setting up a business entity. Students will give special consideration to tax and business issues unique to creative artists, writers, musicians and other performers.

**ACM 2843 - Ethics and the Music Industry**

Navigating the music industry while keeping a clean conscience can be a tricky endeavor. With today's rapid advancements in technology, artist rights advocates are struggling to catch-up. Ethics and the Music Industry will present students with analytical tools to tackle the ethical dilemmas they'll face in their careers and the leadership skills to set their decisions into action.

**ACM 3123 - Charting, Transcription, Arranging**

Through the analysis of existing contemporary music, students will study various charting methods, transcription pieces, and contemporary arrangement techniques. Prerequisite(s): ACM 1352.

**ACM 3133 - Music Business and Entrepreneurship**

This course provides students with an in-depth look into the contemporary music business and the entrepreneurial opportunities that exist within the industry.

**ACM 3143 - Music Marketing and Public Relations**

This course provides students with an understanding of marketing and public relations in the contemporary music business. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

**ACM 3221 - Performance Showcase I**

This course provides instrumentalists/vocalists with an opportunity to participate in professional level performances focusing on complex contemporary music repertoire. Areas of concentration include: bass, guitar, keyboard, vocals, or drum set. Prerequisite(s): ACM 2171 and concurrent enrollment in ACM 3311.

**ACM 3233 - Songwriting and Demo Building**

This course is an advanced examination and demonstration of songwriting, how it relates to demo creation, and how to create a marketable demo of music. Prerequisite(s): ACM 2012 or 2512 and junior or senior standing.

**ACM 3273 - Survey of Music Business Nonfiction**

In this course, students will examine the successes and failures of key players in the American music business. This course revolves around selected music business nonfiction texts. In the end, students will determine whether or not the music industry will be forced to evolve its business model beyond recognition or continue engaging in traditional business. Prerequisite(s): ACM 1212 or ACM 1213

**ACM 3311 - Applied Instruction III**

This course continues to build on the technical and interpretative skills of ACM 2171, particularly continuing the development of individual self-evaluation and assessment in these areas but now also beginning to apply these skills to the formulation of pedagogical method. The student will continue to explore more advanced levels of the appropriate study and performance repertoire. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Prerequisite(s): ACM 2171.

**ACM 3333 - Operations Management, Logistics, Planning**

This course provides students with a comprehensive understanding of the daily tasks necessary to profit in the contemporary music industry. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

**ACM 3343 - The Physics of Sound**

This course is a comprehensive study of sound, including perception, acoustics, sound waves, and speed and absorption rates in order to manage sound in a studio or live environment. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 3353 - Advanced Pro Tools I**

This course is an advanced study of AVID Pro Tools 201 with a focus on utilization for sound design projects and advanced audio recording and mixing. Prerequisite(s): ACM 2712 and ACM 1622 and junior or senior standing.

**ACM 3373 - Music Industry Staffing**

This course provides an overview of the various characteristics that are essential for employees in the contemporary music industry. These characteristics will be shown in case studies of forward-thinking music companies--record labels, music publishers, and artist managers.

**ACM 3433 - Mix/Manage Live Sound**

This course is a comprehensive study of how to mix and manage live sound in the context of genre, venue, and equipment in the contemporary music industry. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 3473 - ACM Records I**

ACM Records is a student managed record label providing hands-on experience carrying out the various functions involved in the development, marketing, and release of recorded music products. Students will act as product managers, focusing on artist development, marketing and retail, radio promotion, and business affairs. Throughout the semester, students will meet during regularly scheduled class time to evaluate their progress, get new assignments, and consult with faculty. Prerequisite(s): ACM 2163 or 4023.

**ACM 3513 - Sound Design**

This course presents a comprehensive overview of how video and audio sync together and the concepts necessary to master in the field of sound design. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 3523 - Advanced Tracking, Editing & Mixing**

This course provides students with advanced concepts in tracking, editing, and mixing as it applies to the field of sound design. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 3533 - Advanced Sound Capture**

This course provides students with a comprehensive understanding of how sound capturing is achieved in a controlled studio environment and outside of the studio. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 3553 - Operations Management**

This course provides future entrepreneurs with a look into the dynamic global business market. Students will explore important business topics including operations management, and the relationship between risk taking and profit making. Prerequisite(s): ACM 2163.

**ACM 3613 - Songwriting in Collaborative Environment**

This course focuses on songwriting as part of a collaborative team of one or more people. Prerequisite(s): ACM 2012 or 2512 or 2432 and junior or senior standing.

**ACM 3633 - Advanced Logic Pro I**

This course is an advanced study in Logic Pro with a focus on utilization for sound design projects and advanced audio recording and mixing. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 3713 - Movie Music, 21st Century**

This course will highlight the sound design aspects of significant films from the 20th century from a technical perspective. Prerequisite(s): ACM 3513 and junior or senior standing.

**ACM 4013 - Creating Your Team**

This course exposes students to the various support positions in the contemporary music industry, detailing their roles, and creating an effective team consistent with the student's career goals.

**ACM 4023 - Record Label Operations II**

This course provides students with an in-depth study of how record labels operate and the revenue streams associated with signed artists. Prerequisite(s): ACM 2623.

**ACM 4042 - Live Performance II**

This course is a companion course to ACM 4062 Repertoire Development II where students are given the opportunity to learn a variety of contemporary music repertoire in an instructor directed rehearsal environment at an upper division level. Charting, arranging, and rehearsal techniques will be explored in order to prepare for rehearsals and performances. Students will also analyze and recreate the styles, sounds, and techniques used in the production of the various contemporary musical works and how to best adapt them for live performances. Prerequisite(s): ACM 2142 and sophomore standing or above. Concurrent enrollment in ACM 4062 is required. This course may be taken up to four times for credit.

**ACM 4062 - Repertoire Development II**

This course provides student with the opportunity to learn a variety of contemporary music repertoire in an instructor directed rehearsal environment at an upper division level. Charting, arranging, and rehearsal techniques will be explored in order to prepare for rehearsals and performances. Students will also analyze and recreate the styles, sounds, and techniques used in the production of the various contemporary musical works and how to best adapt them for live performances. Prerequisite(s): ACM 2122 with sophomore standing or above. Concurrent enrollment in ACM 4042 is required. This course may be taken up to four times for credit.

**ACM 4113 - Contemporary Music Contracts**

This course provides students with an in-depth look at contracts for goods and services within the contemporary music industry. Prerequisite(s): ACM 3133 and junior or senior standing.

**ACM 4123 - Road, Stage, Production, Performance, Management**

This course provides students with an in-depth study of road, stage, production, and performance management and associated logistics, finances, and legalities. Prerequisite(s): ACM 3133 and junior or senior standing.

**ACM 4133 - Advanced Pro Tools II**

This course is an advanced study of AVID Pro Tools 210 with a focus on synchronization, mixing, video import, and editing with Pro Tools/HD. Prerequisite(s): ACM 3353 and junior or senior standing.

**ACM 4143 - Mixing for Sound Design**

This course is a comprehensive study of advanced mixing in surround, 5.1, 7.1, and other television and film mix formats. Prerequisite(s): ACM 1622.

**ACM 4213 - Studio Design**

This course will include a comprehensive understanding of recording studio design including acoustics, equipment and environment. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 4223 - Advanced Mixing and Mastering**

This course is a comprehensive study of applied mixing and mastering techniques. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 4253 - Applied Concert Promotion**

Applied Concert Promotion and Talent Buying provides students with a functional knowledge of concert promotion and talent buying. Specific areas of focus include concert financial planning, event ticketing, venue operations, and ancillary considerations. Prerequisite(s): ACM 2253.

**ACM 4343 - Creating Studio Libraries**

This course will focus on how to design and create studio libraries to meet specific requirements for the industry. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 4353 - Digital Media**

In this course, Digital Media: Digital Dimes and the Survival of the Creative Industries, students will identify and analyze the lure of free digital content, and its effect on the creative industries. Students will chart the media industry's struggles and contemplate its best response. This course also examines whether or not the vast sea of user-generated amateur content benefits society. Prerequisite(s): ACM 1212 or ACM 1213.

**ACM 4423 - Audio Post-Production for Film & TV**

This course exposes students to the audio post-production activities associated with film and television projects. Prerequisite(s): ACM 2712 and junior or senior standing.

**ACM 4433 - Touring and Show Design**

This course will focus on all aspects of touring and show design for contemporary music performance. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

**ACM 4443 - Writing Music for Film and TV**

This course exposes students to an advanced understanding of the concepts and methodologies related to writing music for film and TV.

**ACM 4473 - ACM Records II**

ACM Records is a student managed record label providing hands-on experience carrying out the various functions involved in the development, marketing, and release of recorded music products. Students will act as product managers, focusing on artist development, marketing and retail, radio promotion, and business affairs. Throughout the semester, students will meet during regularly scheduled class time to evaluate their progress, get new assignments, and consult with faculty. This course is a continuation of ACM Records I. Prerequisite(s): ACM 3473.

**ACM 4513 - Advanced Logic Pro II**

This course is an advanced study of Logic Pro with a focus on use of time and pitch tools, varispeed, Es2, and modulation. Prerequisite(s): ACM 3633 and junior or senior standing.

**ACM 4523 - Advance Music Business Studies**

This course discusses advanced music business concepts with a particular focus on digital media and electronic music delivery. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

**ACM 4533 - Media Techniques for Business**

This course will include instruction in graphic, music video, and print media design as it applies to marketing and promotion in an art related environment.

**ACM 4543 - Current Events in Creative Industries**

This course will focus on current event analysis and speculation as it relates to the changing creative industries.

**ACM 4553 - Key Events in the Music Industry**

In this course, students will identify and analyze key current events responsible for shaping the music industry through the examination of retail statistics, news articles, and interviews with music industry leaders.

**ACM 4573 - ACM Records III**

ACM Records is a student managed record label providing hands-on experience carrying out the various functions involved in the development, marketing, and release of recorded music products. Students will act as product managers, focusing on artist development, marketing and retail, radio promotion, and business affairs. Throughout the semester, students will meet during regularly scheduled class time to evaluate their progress, get new assignments, and consult with faculty. This course is a continuation of ACM Records II. Prerequisite(s): ACM 4473.

**ACM 4603 - Music Supervision**

This course provides students with a functional knowledge of music supervision. Music supervisors play an important role in film and television--selecting the perfect sounds to match video images; acting as a liaison between the production staff and the composer; and obtaining the necessary music licenses. Prerequisite(s): ACM 1213 or 1212.

**ACM 4621 - Applied Instruction IV**

This course continues the more advanced study of the applied area initiated particularly in ACM 3311. The goal of the course is to provide the student with the necessary technical and analytical skills to operate at an entry level as an independent professional in the areas of performance and pedagogy. The student will be presented with intellectual, interpretative and technical demands that require more sophisticated and independent analysis and greater individual creativity. Study material will consist of technical and performance repertoire typical of a practicing professional. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Prerequisite(s): ACM 3311.

**ACM 4633 - Synthesis Techniques**

This course exposes students to an advanced understanding of the concepts and techniques related to audio synthesis and simulation. Prerequisite(s): ACM 2232 and junior or senior standing.

**ACM 4643 - Music Copyright**

Copyright law lies at the core of the creative industries. This course provides students with an overview of copyright law as it relates to the music industry. Specific areas of focus include categories of copyright, transferring copyright, traditional and digital formats, the DMCA (Digital Millennium Copyright Act), and international copyright law.

**ACM 4653 - Legal Issues in the Music Industry**

This course explores a number of important legal issues faced by music producers, songwriters, artists, and musicians. Specific areas of focus include music employment agreements and disagreements, neighboring rights of producers, and etiquette of internet entrepreneurship.

**ACM 4743 - Music Publishing II**

This course is a continuation of ACM 3743. It includes topics such as print licensing, marketing musical works, and miscellaneous music licensing issues. Prerequisite(s): ACM 3743.

**ACM 4763 - Fair Use in Contemporary Music**

In this course, students will identify and analyze the key issues involved with the doctrine of fair use as applied to the music business through the study of landmark court cases involving copyright law. Students will determine whether or not the doctrine of fair use in the current legal environment offers more or less certainty to artists than it did at its inception. Prerequisite(s): ACM 4643.

**ACM 4842 - Performance Showcase II**

This course will serve as a Senior capstone for B.A.T. Technology Application Studies majors. Students will utilize all skills developed in the program to produce, promote, and perform a professional level showcase

in front of a jury panel. Areas of concentration include: bass, guitar, keyboard, vocals or drum set. Prerequisite(s): ACM 3221 and concurrent enrollment in ACM 4621.

#### **ACM 4910 - Seminar in ACM**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

#### **ACM 4930 - Individual Study in ACM**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

#### **ACM 4950 - Internship in ACM**

Credit will vary from 1 to 8 hours.

#### **ACM 4970 - Study Tour in ACM**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

### **ADULT EDUCATION AND SAFETY SCIENCES (AESS) Department of Adult Education & Safety Sciences**

#### **AESS 2000 - Topics in AESS**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **AESS 3000 - Workshop in AESS**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **AESS 3413 - Creativity for Leaders**

This course will examine how creativity contributes to effective and successful leadership. Suggestions and barriers for the implementation of creativity will be covered. This course will be explorative and will focus on the expansive parts of the thinking process.

#### **AESS 3513 - Critical Thinking for Leaders**

This course is designed to examine critical thinking including inductive and deductive reasoning, inference, interpretation, and inquiry. Critical thinking requires prudence in making judgements, precision, self-assessment, self-evaluation, identification of issues, and responsibility in the selection of criteria.

#### **AESS 3523 - Leadership and Change**

This course is designed to explore change, including what change is, types of change, resistance to change, and leadership and change. Change will be examined from multiple perspectives including theoretical, personal, organizational, community, political, global and virtual.

#### **AESS 3990 - Advanced Topics in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **AESS 4103 - Leadership Through Trust**

This course provides diverse opportunities for Organizational Leadership students to explore trust as a critical attribute of leadership. This course will explore the connection between successful leadership and trust. Both individual and organizational trust will be examined. Prerequisite(s): Junior or senior standing.

#### **AESS 4123 - Principles of Training and Dev**

This course is designed to provide an overview of the training and development field. The major emphasis is on the roles and responsibilities of training and development personnel, the structure of departments housing the training and development function, and how training and development personnel identify and provide for training needs. Prerequisite(s): Junior or senior standing

#### **AESS 4143 - Service Learning in Action**

This course provides diverse opportunities for Organizational Leadership students to study leadership styles in action, identify key concepts of service learning, and to perform meaningful service in the Edmond and Oklahoma City communities. Learners in the course will partner with the Volunteer and Service Learning Center to develop and implement volunteer and service learning projects. Course assignments are designed to promote civic engagement by instilling a commitment to public life through communities of practice. Prerequisite(s): Junior or senior standing.

#### **AESS 4153 - Organizational Dynamics**

This course will examine various types of organizational structures and the impact communications has on the operations of the organization, especially when facing change. This will include efficient and effective written, verbal, and technology communications for employees and administrators. Prerequisite(s): Junior or senior standing.

#### **AESS 4163 - Instructional Strategies for eLearning**

The Instructional Strategies for eLearning course focuses on the foundation and concepts related to eLearning in Career, Technical, and Workforce Development. The course will examine how teachers/trainers can work successfully within an eLearning environment.

#### **AESS 4323 - Motivation in the Workplace**

This course will provide participants with an understanding of theories, models, and techniques for motivating adults. Learners will evaluate and analyze theories of adult motivation, compare and contrast motivation models used in learning and workplace settings, and demonstrate the ability to create motivational environments for adults. Prerequisite(s): Junior or senior standing.

#### **AESS 4333 - Human Relations Training & Development**

This course will examine the role of human relations in organizations with particular emphasis on the training and development function. Topics addressed include communications, attitudes, positive self-concept, communication styles, motivation, values, emotional control, positive reinforcement, team building, and conflict management. Through focused discussions and assignments students will gain an understanding of the various issues surrounding a global economy. Prerequisite(s): Junior or senior standing.

#### **AESS 4343 - Consulting Skills in T & D**

Examines the internal and external consulting roles of the training and development professional. Topics include an overview of the consulting process, conducting contracting meetings, understanding and dealing with resistance, gathering data, and conducting feedback meetings. Responding to requests for proposals, writing proposals, developing budgets, and determining the cost benefits of training will also be examined. Prerequisite(s): Junior or senior standing.

#### **AESS 4363 - Legal Issues in Employment**

This course will identify potential legal issues which affect employees in the workplace. Topics addressed include employment and dismissal issues and legal issues related to contract and agent law, personnel management and labor relations. Prerequisite(s): Junior or senior standing.

#### **AESS 4463 - Contemp Issues in Supervision**

This course will cover current issues related to the discipline of supervision. Ethics and social responsibilities of supervisors are debated in the classroom. Prerequisite(s): Junior or senior standing.

#### **AESS 4643 - Proposal and Grant Writing**

This course will address techniques of successful proposal and grant writing. It will focus on following proposal guidelines and granting institution Request for Proposals as well as identifying and developing strategies for successful completion of proposal and grant projects. Prerequisite(s): Junior or senior standing.

**AESS 4823 - Nature & Characteristics of the Adult Learner**

A course designed to familiarize the student with some of the learning theories and their implications for education of adults. Emphasis is on application of principles of psychology and learning to the learner; understanding of the characteristics of the learner; differences to be expected between teaching adults and/or adolescents; adaptation of the teaching techniques to the adult personality; and adaptation of subject matter content to the adult.

**AESS 4851 - Capstone in General Studies**

This course is intended to help General Studies students synthesize and integrate their educational experience in order to help them achieve their goals after graduation. It will help students identify strengths that would appeal to an employer or a graduate school. Capstone students will identify significant transformative learning experiences that have occurred during their time at UCO. Students will connect relevant experience and academic learning. Prerequisite(s): Senior standing. Enrollment open to General Studies majors only.

**AESS 4900 - Practicum in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**AESS 4910 - Seminar in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**AESS 4920 - Workshop in AESS**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**AESS 4930 - Individual Study in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**AESS 4940 - Field Study in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**AESS 4950 - Internship in AESS**

Credit will vary from 1 to 8 hours.

**AESS 4960 - Institute in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**AESS 4970 - Study Tour in AESS**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARABIC (ARAB)****Department of Modern Languages, Literature & Cultural Studies****ARAB 1114 - Elementary Arabic I**

Elementary Arabic I is an introduction to the Arabic language, its alphabet, pronunciation, conversation, grammar, reading, and composition. Students with two or more years of high school coursework in Arabic or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Arabic. Prerequisite(s): Heritage or native speakers of Arabic and students with two or more years of high school Arabic may not enroll in this course.

**ARAB 1224 - Elementary Arabic II**

Elementary Arabic II is a continuation of Elementary Arabic I. Prerequisite(s): ARAB 1114 or two years of high school Arabic. Students with more than two years of high school coursework in the Arabic or heritage speakers must petition the Department of Modern Languages

for admission to a 1000 level course in Arabic. Enrollment is restricted to students needing elementary-level instruction in Arabic.

**ARAB 2000 - Topics in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 3000 - Workshop in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" if given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ARAB 3990 - Advanced Topics in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4900 - Practicum in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4910 - Seminar in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4920 - Workshop in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ARAB 4930 - Individual Study in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4940 - Field Study in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4950 - Internship in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4960 - Institute in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ARAB 4970 - Study Tour in Arabic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ART (ART)****Department of Art****ART 1013 - Introduction To Drawing/Non-Art Major**

This course offers non-art majors an introduction to the elements and principles of design. Black and white drawing media are used.

**ART 1023 - Beginning Drawing I**

This course is an introduction to basic freehand drawing, exploration of a range of drawing methods, media, and concepts. Emphasis is placed on drawing from observation. This is part of a required foundation sequence that will prepare students for ART 2903. Prerequisite(s): Enrollment is open to freshmen and sophomore students only.

**ART 1043 - Beginning Drawing II: Figure & Anatomy**

This course is an introduction to the essentials of figure drawing, through observation, with emphasis upon anatomy, composition and investigation of media. Prerequisite(s): ART 1023 with minimum grade of "C". Enrollment open to freshmen and sophomore students only.

**ART 1063 - 2-D Fundamentals**

This course provides a study of the elements and principles of two-dimensional design, their relationship to pictorial composition, and their application to a variety of design problems. Through the use of both traditional and non-traditional media the students will explore aspects of line, shape, value, color, texture and the illusion of space and time.

**ART 1073 - 3-D Fundamentals**

This course provides a study of the elements and principles of three-dimensional design as they relate to composition and the activation of space. Students will explore space, line, form, light, color, texture, and time using both traditional and nontraditional materials and processes. Prerequisite(s): ART 1023, 1063 with minimum grade of "C". Enrollment is open to freshmen and sophomore students only.

**ART 1083 - Color**

In this course students apply color principles to a variety of design problems and develop confidence in working in both an expressive and a formal manner. Prerequisite(s): ART 1023, 1063 with minimum grade of "C". Enrollment is open to freshmen and sophomore students only.

**ART 1153 - Global Art & Visual Culture I**

This course surveys the art and visual culture of the Americas, Europe, Asia, Africa, and the Pacific Islands from the prehistoric era up to 1500 within the frameworks of philosophical, religious, cultural, economic, and political changes.

**ART 1223 - Black & White Photography**

This course will cover basics of digital camera operations. Students will learn black and white digital processing, print methods, composition, and presentation.

**ART 2000 - Topics In Art And Design**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ART 2012 - Introduction to Art Education**

This course is an introduction to theory and practice in Art Education and overview of curriculum and instructional strategies. Course content includes theoretical foundations and history of the field of Art Education, research and practice in Art Education, and contexts for art teaching. Applications for technology in K-12 will also be discussed. Prerequisite(s): ART 1023, 1043, 1063, 1073, (1083 or concurrent enrollment) and 1153 with sophomore standing or above. Enrollment open to Art Education majors only.

**ART 2103 - Drawing III: Contemporary Practices**

This course will introduce new techniques and mediums as they relate to drawing. Students will focus on non-representational studies, large and small scale works, as well as continued investigation of representational techniques. Students will start to explore conceptual pathways in the making of artwork. Prerequisite(s): ART 2903 with a minimum grade of "C". Sophomore standing or above.

**ART 2213 - Figure Drawing**

Students will further develop drawing skills learned in Beginning Drawing II: Figure and Anatomy while focusing on the human figure. Utilizing traditional and non traditional modes of drawing student will investigate multiple ways of drawing the figure. Students will start to explore conceptual pathways in the making of artwork. Prerequisite(s): ART 1043 with a minimum grade of "C".

**ART 2233 - Painting I: Observation & Techniques**

This course is an introduction to painting based in observation. Students explore the characteristic properties and are introduced to traditional and contemporary techniques. Prerequisite(s): ART 2903 with minimum grade of "C" and sophomore standing or above.

**ART 2303 - Art Appreciation**

In this course an understanding of visual art is developed through this introduction to art principles, terminology, and periods of art history.

**ART 2403 - Global Art & Visual Culture II**

This course surveys art and visual culture of the Americas, Europe, Asia, Africa, and the Pacific Islands from 1500 up to the contemporary period within the framework of philosophical, religious, cultural, economic, and political changes.

**ART 2633 - Beginning Sculpture**

This course provides students with the practice of making dimensional forms through creative problem solving using additive and subtractive techniques of sculpture. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

**ART 2703 - Ceramics I**

This course offers an introductory study of a wide range of clay techniques, such as slab, coil, press-mold constructions, and modeling. This course replaces ART 3703. Prerequisite(s): ART 2903 or DES 3293 with minimum grade of "C". Sophomore standing or above.

**ART 2803 - Ceramics II**

In this course students learn beginning techniques in wheel-thrown forms, clay body preparation and formulation and beginning glaze firing techniques. Prerequisite(s): ART 2703, 2903 with minimum grade of "C". Sophomore standing or above.

**ART 2903 - Foundation Seminar**

This course is the culmination to the Foundation courses and is a research and development studio. Importance is placed on expansion of research methods through the use of a comprehensive sketchbook. Exploration of themes and interests are investigated bridging formal theory from foundations to visual resource building, preliminary drawings, materials focus, compositional studies, and presentation of ideas. Prerequisite(s): ART 1023, ART 1063, ART 1073, ART 1083, ART 1153, (ART 2403, ART 2103 or concurrent enrollment) with minimum grade of "C". Sophomore, junior or senior standing.

**ART 3000 - Workshop In Art**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree. Prerequisite(s): Sophomore, junior or senior standing.

**ART 3013 - Career Options in Art & Art Education**

This course is designed to prepare art education, studio art, and art history students to explore the professional art teaching careers in non-profit, commercial, private, and public sectors. 20 hours of field experience is required. Prerequisite(s): ART 1023, 1043, 1063, 1073 and 1153 with sophomore standing or above. Enrollment open to Studio Art, Art History and Art Education majors only.

**ART 3023 - Ceramics: Basics & Beyond**

This course is designed for the student with limited or no experience in ceramics. Students will be introduced to handbuilt objects in clay through various construction processes. Students will experience and be introduced to surface design and color with the use of low temperature slips, engobes, and glazes. Final projects will be fired in an oxidation kiln at low temperatures and/or the "Raku" firing process. Students will learn personal safety, proper use of raw materials, tools, and machinery in the ceramics studio. Prerequisite(s): Sophomore standing or above.

**ART 3033 - Jewelry for Non-Majors**

This course is designed for the non-major as an introduction to the metal arts through jewelry making. The student will learn basic skills in design, technique, and craftsmanship with the completion of several jewelry pieces and small metal objects. This course will include basic soldering, riveting, surface applications, metal forming, and enameling. Personal safety and proper use of tools and machinery related to jewelry making will be applied. Prerequisite(s): Sophomore standing or above.

**ART 3113 - Introduction to Printmaking**

This course will introduce basic techniques in intaglio, relief, and screen printing. Students will focus on technique as well as conceptual development. Prerequisite(s): ART 2903 or ART 2012 with a minimum grade of "C" and sophomore standing or above.

**ART 3173 - Ceramics III**

This course offers advanced study in clay formulation, glaze preparation and firing techniques as well as research of historical and contemporary ceramic forms. Prerequisite(s): ART 2703, 2803, 2903 with minimum grade of "C". Junior or senior standing.

**ART 3302 - Teaching Art to Children**

This course is an activity-oriented approach to teaching art to children and focuses on the multiple values and benefits of as they develop from early childhood through the elementary school years and has the potential to invigorate one's life in many aspects including artistic skills, pleasure, and creativity. Strategies for engaging children in art, and the theoretical, developmental and research-based frameworks will be presented. Art tools, media, hands-on art techniques will be explored through the practice of creative art experiences for children.

**ART 3323 - Intaglio**

This course will expand on intaglio processes learned in Introduction to Printmaking. Advanced techniques will be introduced. Readings, critique, and conceptual development are emphasized in this course. Prerequisite(s): ART 3113 with a minimum grade of "C" and junior or senior standing.

**ART 3333 - Relief Printmaking**

This course will expand on relief processes learned in Introduction to Printmaking. Advanced techniques will be introduced. Readings, critique, and conceptual development are emphasized in this course. Prerequisite(s): ART 3113 with a minimum grade of "C" and sophomore standing or above.

**ART 3343 - Screen Printing**

This course will expand on screen printing processes learned in Introduction to Printmaking. Advanced techniques will be introduced. Readings, critique, and conceptual development are emphasized in this course. Prerequisite(s): ART 3113 with a minimum grade of "C" and junior or senior standing.

**ART 3352 - Digital Art Foundation**

Digital Art Foundation is a conceptually based and hands on course that will prepare art education students for electronic arts production in the post-digital age. The primary focus is on extending students practice into the digital realm. The class is designed to integrate students from a variety of studio interests and technological backgrounds. No prior computer experience is necessary. Prerequisite(s): Sophomore standing or above.

**ART 3413 - Mixed Media I**

This class will investigate the multifaceted process of mixing media in a two-dimensional format graduating to a three-dimensional format. The introduction of collected and altered images with the use of transfer methods will be combined with experimentation and mixing of techniques in printmaking, painting, and drawing on alternative surfaces. Prerequisite(s): ART 2903 or 2012 and junior standing or above. Enrollment open the Studio Art and Art Education majors only.

**ART 3463 - Jewelry and Metalsmithing I**

This beginning course will emphasize safety and basic fabricating techniques such as hollow construction, surface embellishments, basic metal forming techniques of sinking and forging, and stone setting. Traditional and contemporary approaches will be used to create handcrafted jewelry and precious or semi-precious metal objects with emphasis placed on conceptual development of design. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

**ART 3473 - New Media I**

New Media I is a conceptually based and hands on studio art course that will prepare students for electronic arts production in the post-digital age. The primary focus is on extending students' existing art practice into the digital realm. Using Adobe Photoshop and Illustrator, students will learn the basics of computer graphics and digital printmaking. Students will explore new horizons of artistic expression in using a wide array of input and output devices such as drawing tablets, cameras, scanners, printers, laser cutters, screens and projectors. Prerequisite(s): ART 2903 or ART 2012 and sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration, and Art History majors only.

**ART 3583 - Video Art I**

Based in the fine arts tradition, this studio art course explores the technical and theoretical foundations of time based media. This course covers the basic production techniques in working with film, video, animation and sound. Students will use traditional studio materials as well as camcorders, tripods, lights, DSLR cameras and the Adobe Production Suite software. This course is designed to integrate students from a variety of art interests and technological backgrounds. No prior computer experience is necessary. Prerequisite(s): ART 2903 or ART 2012 with sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration, and Art History majors.

**ART 3503 - Drawing IV: Special Topics**

This course will investigate a specific topic throughout the semester. Students will make artwork in response to various conceptual frameworks while continuing to evolve individual technique and concepts. Readings, critique, and concept development are essential components to this course. Prerequisite(s): ART 2103, 2903 with a minimum grade of "C". Junior or senior standing.

**ART 3513 - Contemporary Art and Visual Culture**

This course surveys the contemporary art and visual culture of the Americas, Europe, Asia, Africa, and the Pacific Islands within the philosophical, religious, cultural, economic, and political frameworks.

**ART 3533 - Architecture and Urban Space**

This course examines the major architectural monuments and built environment throughout the world from the ancient period until the 21st century. The emphasis is given to architectural theories as well as economic, religious, political, environmental, and cultural factors that affect architectural production and the development of urban space worldwide. Prerequisite(s): Junior or senior standing.

**ART 3543 - Art of the Americas**

The course examines the painting, sculpture, architecture, decorative arts, and visual culture created in the Americas from the beginning up to the 21st century. Students study art and visual culture within the framework of the cultural, political, philosophical, economic, and scientific changes, including colonialism, post-colonialism, and the globalization processes, as well as race and gender concepts. Prerequisite(s): Junior or senior standing.

**ART 3553 - Art of Asia**

This course examines the distinctive, yet related, aesthetic traditions of India, China, Korea, and Japan. The course focuses on sculptures, paintings, architecture, and urban spaces within the social, cultural, and political frameworks. Prerequisite(s): Junior or senior standing.

**ART 3563 - European Art**

This course examines the painting, sculpture, architecture, decorative arts, visual culture, artists, and artistic movements in Europe from the Ancient Greek period up to the 21st century. This course studies art and visual culture within the framework of Christianization, colonialism, post colonialism, industrialization, the break of the Communist bloc, the creation of the European Union, and the globalization process, as well as religion, race, and gender concepts. Prerequisite(s): Junior or senior standing.



**ART 3573 - Islamic Art and Architecture**

This course deals with concepts of the Islamic art and architecture from the seventh century until the modern period. Students discuss various models of the Islamic city and how its art and architecture developed in response to changing historical, economic, and cultural conditions. By critically reviewing the literature, students also identify different approaches to the study of Islamic art and architecture such as formalistic, historical, religious, idealistic, morphological, and sociological. Prerequisite(s): Junior or senior standing.

**ART 3603 - Painting II: Surface & Techniques**

Through this course the student will build on foundation painting techniques while addressing various surfaces and support structures using oil. Students will develop individual works based on preliminary painted sketches, visual research, material experimentation and observation. Prerequisite(s): ART 2233, 2903 with minimum grade of "C". Junior or senior standing.

**ART 3623 - Painting II: Figurative Painting**

Students will further develop their painting skills while focusing on the human figure as the constant subject. Historical methods and approaches will be addressed as well as issues revolving around the depiction of the figure in paint within the context of contemporary practices. Prerequisite(s): ART 2903, 2233 and sophomore standing or above. Enrollment open to Studio Art and Art Education majors only.

**ART 3633 - Intermediate Sculpture**

This course continues the investigation from Beginning Sculpture with the added application of selected experimental methods and materials in sculpture. Emphasis is placed on promoting a greater awareness of sculptural form and the development of ideas and aesthetic concepts. Prerequisite(s): ART 2903 and ART 2633 both with a minimum grade of "C" and junior or senior standing.

**ART 3663 - Experimental Animation I**

This studio art course covers the technical, aesthetic, and historical foundations of experimental animation. Students will explore a wide range of hands-on analog and computer based two-dimensional animation techniques such as hand-drawn, cutout, stop-motion, zoetrope, flip books, pixilation, claymation, paint-on-glass, and rotoscoping techniques. Students will create evocative animation projects using traditional studio materials as well as cell phones, iPads, camcorders, DSLR cameras and the Adobe Production Suite software. The class is designed to integrate students from a variety of studio interests and technological backgrounds. No prior animation or computer knowledge is necessary. Prerequisite(s): ART 2903 or ART 2012 with sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration and Art History majors only.

**ART 3723 - Metalsmithing I**

This course will explore metalworking techniques: sinking, raising, chasing, repousse, anticlastic, and synclastic. Personal expression will be encouraged and practiced through the development of conceptual skills that utilize both traditional and contemporary methods. Prerequisite(s): ART 2903 and ART 3463 both with a minimum grade of "C" and junior or senior standing.

**ART 3733 - History of American Studio Craft**

History of American Studio Craft is a comprehensive study of the development of studio craft in America. This course will explore craft's relationship to the fine arts and design, foster a critical understanding of the field and craft's place in contemporary art and culture. Beginning with the emergence of studio craft in the late 19th century this course will follow the craft movement through to present times. Focus turns to the artists and their materials: clay, glass, metal, wood, and fiber and their roles in utility and aesthetics in industry and contemporary artist's studio practices. This course may include visits to galleries, museums, and artist studios or demonstrations in one or more media. Prerequisite(s): Junior standing or above.

**ART 3743 - Computer Animation I**

This course introduces students to the fundamentals of digital animation and the mechanics used to capture the illusion of movement. Students will learn to animate hand-drawn and computer-generated motion graphics. Students will examine the history of the moving image and the power and influence of animation in contemporary culture. Prerequisite(s): ART 2903 or ART 2012 with sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration, and Art History majors only.

**ART 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903. Sophomore, junior or senior standing.

**ART 4013 - Global Approach to Socialist Art and Architecture**

Global Approach to Socialist Art and Architecture examines the global diversity and complexity of socialist art, whether it served to develop social consciousness in the socialist state or in capitalist country. The course emphasizes the major political, economic, philosophical, and cultural changes in twentieth and twenty-first century history that triggered artists' interest in socialism and state sponsored art and visual culture. Finally, the course examines how socialist art has been appropriated in post-socialist societies, within the framework of the culture of consumption. Prerequisite(s): Junior or senior standing.

**ART 4023 - Enameling**

In this course students will learn to apply basic and advanced enameling techniques such as: cloisonne, champleve, and plique-a-jour to an exiting metals vocabulary. Prerequisite(s): ART 2903, 3463 with a minimum grade of "C" and junior or senior standing.

**ART 4033 - Furniture As Art**

This course integrates sculptural concepts with the design of functional furniture. Methods and materials used facilitate the harmonious balance between utility and art. Prerequisite(s): ART 2903, 3053 with a minimum grade of "C" and junior or senior standing.

**ART 4053 - Native American Art**

This course covers the evolution of Native American art from pre-history roots through contemporary expression. Prerequisite(s): Junior or senior standing.

**ART 4113 - Lithography**

In this course the students will learn the basic planographic printing techniques. The student will explore printing on surfaces such as stone, metal, and paper. Prerequisite(s): ART 2903 or DES 3293 with a minimum grade of "C" and sophomore standing or above.

**ART 4133 - Digital Printmaking**

This course is a study of the use of the computer and other related hardware in the creation of fine art multiples. Each student will create limited edition prints using the computer and various computer printers. Prerequisite(s): ART 2903 or DES 3293 with a minimum grade of "C" and junior or senior standing.

**ART 4143 - History of Museum Practices**

This course examines the history of museum and its practices worldwide and emphasizes the importance of museums in the creation of history and public memory through these practices. Thus, museum is discussed in relation to the passing time, the waning of civilizations, and nostalgia for the past as well as an element of local, ethnic, tribal, religious, and national identities. The course also examines how technology has changed certain museum practices and functions, through on-line virtual museums and digitalized many art historical collections that provide museum access to global audiences. Prerequisite(s): Junior or senior standing.

**ART 4153 - Advanced Painting: Serial Development**

This course includes directed research and critical analysis within the context of the oil painting genre. Work is considered within the context of

a body of work as well as contemporary practices and theory. Students are encouraged to define individual approaches and content. This course may be taken up to 3 times for credit. Prerequisite(s): ART 2903, 2233, 3603 and 3623 with a minimum grade of "C". Junior or senior standing.

#### **ART 4223 - West African Art**

This course explores the social, religious, and political influences on the creation of the arts of Africa. Arts from West Africa south of the Sahara from Western Nigeria to Guinea are discussed in relation to stylistic and functional similarities and differences. Prerequisite(s): Sophomore standing or above.

#### **ART 4233 - Central African Art**

This course explores the social, religious, and political influences on the creation of the arts of Africa. Arts from Central Africa from Eastern Nigeria to South Africa are discussed in relation to stylistic and functional differences. Prerequisite(s): Junior or senior standing.

#### **ART 4263 - Ceramics IV**

This course offers advanced individual research in clays, glazes and firing techniques. Students will develop personal expression through a wider variety of clay forms. Prerequisite(s): ART 2703, 2803, 2903 and 3173 with a minimum grade of "C". Junior or senior standing.

#### **ART 4283 - Drawing V: Drawing as Professional Practice**

This advanced studio based course will emphasize personal exploration of technique and concept. Reading, group discussion and writing will be utilized in this course. This course will use group, self, and instructor critique as a core component. Prerequisite(s): ART 3503 and senior standing. Enrollment open to Studio Art majors only.

#### **ART 4313 - Advanced Sculpture I**

This course allows students greater exploration of three-dimensional forms through traditional and non-traditional media. The course will emphasize conceptual development, refinement of technique, choice of materials, and professional presentation. Students develop individual approaches and work on creating a portfolio. Prerequisite(s): ART 2903, ART 2633 and ART 3633 all with a minimum grade of "C" and junior or senior standing.

#### **ART 4333 - Mesoamerican Art**

This course explores Mesoamerican art objects in their cultural and historical context. Students will be exposed to a variety of art and ideas and develop an appreciation of non-Western (European) traditions in the visual arts. Prerequisite(s): Junior or senior standing.

#### **ART 4343 - Multicultural Art**

This web course offers a study of the cultural and historical significance of the art from various cultures. Symbols that are common to cultures throughout the world will be discussed in relation to their meanings and possible origins. Prerequisite(s): Junior or senior standing.

#### **ART 4353 - The Business Of Art**

In this course students will develop business skills needed to successfully market artwork, i.e.; grant writing, record-keeping, developing a portfolio and resume, exhibiting, targeting art markets, and preparing taxes. Prerequisite(s): ART 2903 with a minimum grade of "C" and junior or senior standing.

#### **ART 4363 - Art by Women**

This course offers concentration of the visual art contributions of women. Historical, cultural, and political influences on women's art are examined. Prerequisite(s): Junior or senior standing.

#### **ART 4383 - Theories & Methods in Art History**

This course offers a synoptic view of selected methodologies and theories in the history of global art and visual culture and how these practices shape the study of art and visual culture. Prerequisite(s): 12 hours of art history and junior or senior standing.

#### **ART 4393 - Senior Thesis**

This course is a capstone course for the Art History BFA. It is designed to evaluate the student's ability to do art historical research and to present it in a meaningful document. Prerequisite(s): Enrollment open to Art History seniors in the last semester of coursework.

#### **ART 4403 - Jewelry I**

This intermediate/advanced course will explore metalworking techniques such as die forming, chasing, repousse, mechanisms, and lost wax casting. Personal expression is encouraged and practiced through the development of conceptual skills that utilize both traditional and contemporary methods. Prerequisite(s): ART 2903, 3463 with a minimum grade of "C" and junior or senior standing.

#### **ART 4413 - Mixed Media II**

This class will investigate the multifaceted process of making a three-dimensional object combining media of ceramic material, metal, wood, and found objects. The student will research contemporary object makers that utilize a variety of elements and the base composition on contemporary issues that require extensive research and exploration. Prerequisite(s): ART 2903, 3413 and junior standing or above. Enrollment open to Studio Art and Art Education majors only.

#### **ART 4473 - New Media II**

New Media II is an advanced studio art course that explores emergent technology in the fine arts tradition. Through assignments and independent projects, students will explore advanced techniques, concepts and histories in the ever changing field of digital art. Students will demonstrate advanced visual art problem solving in their work and articulate unique aesthetic ideas with a computer. Through research, students will conceptualize, implement, and evaluate substantial, meaningful, and purposeful projects using digital media techniques. Prerequisite(s): ART 2903 or ART 2012 and ART 3473 or ART 3352 with sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration, and Art History majors only.

#### **ART 4533 - Metalsmithing II**

This intermediate/advanced course will explore metalworking techniques: sinking, raising, chasing, repousse, anticlastic and synclastic. Personal expression is encouraged and practiced through the development of conceptual skills that utilize both traditional and contemporary methods. Prerequisite(s): ART 2903, ART 3463 and ART 3723 all with a minimum grade of "C" and junior or senior standing.

#### **ART 4553 - Photographing Art**

This is a class designed to teach the basic techniques involved in successfully photographing works of art. Topics will cover cameras, film and lighting of both two-dimensional and three-dimensional works of art. Techniques to ensure faithful color reproduction and exposure will be stressed using a variety of formats and types. Prerequisite(s): ART 2903 with minimum grade of "C". Sophomore, junior or senior standing.

#### **ART 4563 - Jewelry II**

This advanced course will serve as advanced level for the jewelry course sequencing. Emphasis will be placed on portfolio development in preparation for the senior capstone and practicum co-requisite. The student will propose and organize a series of semester projects, continued development of their artist statement, investigate advanced techniques, alternative materials, and research of contemporary artists practicing in the field of jewelry. Exhibition beyond the university setting will be required as part of the portfolio development. Prerequisite(s): ART 2903, 3463 and 4403 with a minimum grade of "C" and junior or senior standing.

#### **ART 4583 - Video Art II**

In this fine art studio course, students explore advanced themes in time based art. Students will learn experimental techniques for framing, sequencing, and shaping videos in cinematic, sculptural, installation, and performance contexts. Students will develop core competencies in advanced processes such as: advanced compositing, projection mapping,

time lapse, and expanded cinema. Through a series of assignments and independent projects, students will develop a professional body of work and create an online portfolio. Prerequisite(s): ART 2903 or ART 2012 and ART 3583 with sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration, and Art History majors only.

#### **ART 4600 - Studio Art**

Credit varies from 1 to 4 hours. Prerequisite(s): Written permission required. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

#### **ART 4613 - Advanced Sculpture II**

In this course, students engage in advanced exploration and conceptual development of three-dimensional forms through use of traditional and non-traditional media. The scope of sculpture form will be broadened to incorporate site-specific work and installation that involve the community. Students increase depth in material and form development through studies within the context of historical and contemporary issues. Prerequisite(s): ART 2903, ART 2633, ART 3633 and ART 4313 all with a minimum grade of "C" and junior or senior standing.

#### **ART 4643 - Figurative Clay Sculpture**

This course will investigate human form with clay as the primary medium utilizing a live model for reference and measurement. The student will learn how to make three-dimensional armatures, measure anatomical proportions, and casting techniques for replication. Prerequisite(s): ART 2903 and junior standing or above. Enrollment open to Studio Art majors only.

#### **ART 4663 - Experimental Animation II**

This course covers advanced analog and digital two-dimensional animation. A broad range of animation approaches, processes, compositing, and output methods are covered. At the advanced level, students will choose their own production method. This may be 2D computer animation, stop motion or any hybrid combination of these, and may include other filmmaking techniques. Prerequisite(s): ART 2903 or ART 2012 and ART 3663 with sophomore standing or above. Enrollment open to Art, Art Education, Arts Administration, and Art History majors only.

#### **ART 4743 - Computer Animation II**

In this course students will create compelling two-dimensional digital animations that reveal a breadth of advanced skills in visual problem solving, concept development, technical knowledge, and artistic vision. At the end of the course, students will create a portfolio of imaginative and meaningful short animations with sound. Prerequisite(s): ART 2903 or ART 2012 and ART 3743 with sophomore standing or above. Enrollment open to Art, Art Education, Art Administration, and Art History only.

#### **ART 4832 - Senior Exhibition**

This course is the culmination of the Studio Arts degree combining studio practices with professional skills and is a requirement for graduation. Students in this class develop a cohesive body of work that reflects their chosen area of emphasis within the studio arts. In this course students will create and prepare exhibition ready work and effectively organize, schedule and promote an exhibition. Prerequisite(s): ART 2903 with minimum grade of "C". Senior standing. Concurrent enrollment in ART 4900 is required.

#### **ART 4843 - Elementary Art Education Methods**

In this course students apply appropriate methods and materials for elementary visual arts education. Sequential discipline-based art education curriculum and child development concepts are studied. Prerequisite(s): ART 2012 and Admission to Teacher Education. Junior or senior standing. Enrollment open to Art Education majors only.

#### **ART 4853 - Secondary Art Education Methods**

In this course, methods for teaching art for secondary students are studied. A sequential, interdisciplinary curriculum is linked to the student's studio

art experiences. Prerequisite(s): ART 2012 and ART 4843 with minimum grade of "C". Admission to Teacher Education. Junior or senior standing.

#### **ART 4900 - Practicum In Art**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C" and 12 hours of credit within area of emphasis with senior standing. Concurrent enrollment in ART 4833 is required. Enrollment open to Art and Art Education majors only.

#### **ART 4910 - Seminar In Art**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

#### **ART 4920 - Workshop in Art**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **ART 4930 - Independent Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

#### **ART 4940 - Field Study In Art**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

#### **ART 4950 - Internship In Art**

Credit will vary from 1 to 8 hours. Prerequisite(s): Junior or senior standing.

#### **ART 4960 - Institute In Art**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

#### **ART 4970 - Study Tour In Art**

Credit will vary. Subject matter will vary within the department's field of study. Prerequisite(s): Junior or senior standing.

### **BUSINESS ADMINISTRATION (BADM)**

#### **Department of Economics**

#### **BADM 1103 - Introduction To Business**

This course is a survey of basic functions, principles and practices in the administration of business organizations.

#### **BADM 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics of business administration, each taught by a member of the business administration staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

#### **BADM 2111 - Students in Free Enterprise**

The Student in Free Enterprise (SIFE) class provides university students the opportunity to create educational outreach programs in the community. By using business concepts students develop stronger business and leadership skills, as well as a sense of service and responsibility to the community and world around them. Students are encouraged to be entrepreneurial in project development and implementation. Students are provided the opportunity to network with university and corporate business leaders. This course may be taken four times for credit. Prerequisite(s): Sophomore standing or above.

**BADM 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BADM 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**BADM 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BADM 4950 - Internship**

Credit may vary from 1 to 8 hours.

**BADM 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**BUSINESS COMMUNICATION (BCOM)  
Department of Marketing**

**BCOM 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics in business communication, each taught by a member of the business communication staff who has expertise in that particular area. The topics chosen for each course will be on the basis of student interest, significance and relevance to problems of contemporary society.

**BCOM 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**BCOM 3143 - Business Communication**

The essential qualities of communication theory and skills, including written, oral and interpersonal communication are covered in this survey course. Attention is paid to verbal and nonverbal communication theories and principles with practice and application specific to the business environment. Prerequisite(s): ENG 1113, ENG 1213.

**BCOM 3323 - Intercultural Business Comm**

This course focuses on the study and application of written, oral, and electronic-mediated business communication throughout the world. This course provides a cultural focus on the process by which all functions of business - accounting, management, economics, marketing, finance and law - are presented, negotiated, conducted, and evaluated in different international contexts, including, but not limited to, Eastern and Western Europe, Asia, Africa, the Middle East, and Latin America. Prerequisite(s): Junior standing or above.

**BCOM 3373 - Administrative Communication**

Oral and written communication systems and techniques for the manager, with emphasis on interviews, conferences, speeches, panel discussions, listening, and small group communication.

**BCOM 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BCOM 4113 - Interpersonal Communication**

Focuses on perceptions, assumptions, feelings, and understandings in business situations. Includes study in sources of identification and techniques of mastery in communication arts and skills. Prerequisite(s): BCOM 3143.

**BCOM 4333 - Negotiation**

This course is designed to provide an introduction to theoretical and practical aspects of negotiation in business and other organizational set-

tings. The emphasis is on gaining an understanding of the negotiation process and strategies as well as developing effective negotiation skills. Prerequisite(s): BCOM 3143 or MRKT 3123.

**BCOM 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BCOM 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BCOM 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**BCOM 4930 - Independent Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BCOM 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**BCOM 4950 - Internship**

Credit will vary from 1 to 8 hours.

**BIOLOGY (BIO)  
Department of Biology**

**BIO 1114 - General Biology**

This is an introduction to the life sciences as a course to fulfill the general education requirement for non-biology majors. The topics include an introduction to the fundamental principles of biology, the scientific method, cell structure and organization, biological molecules and metabolism, the levels of biological organization and systematics, plant and animal systems, Mendelian genetics, heredity, evolution and ecology. This course does not have an accompanying laboratory session and does not count towards a B.S. degree in Biology. A student will not receive credit for having taken both BIO 1114 and BIO 1214.

**BIO 1204 - Biology for Majors: Principles**

This is an introductory course required for all biology majors, pre-health career students and other science majors planning to take upper-division courses in biology. It is designed to be a major's introduction to the fundamental principles of biology, including cell biology, energetics and metabolism, plant and animal systems, heredity, evolution and ecology.

**BIO 1211 - University Life Sciences Lab**

This is a 2-hour general biology laboratory for non-Biology majors. It fulfills the university core requirements of a science laboratory.

**BIO 1214 - General Biology And Laboratory**

This is an introduction to the life sciences as a course to fulfill the general education requirement for non-biology majors. The topics include an introduction to the fundamental principles of biology, the scientific method, cell structure and organization, biological molecules and metabolism, the levels of biological organization and systematics, plant and animal systems, Mendelian genetics and heredity, evolution and ecology. This course consists of a three hour lecture and one two-hour laboratory session per week. Students must be enrolled in both a BIO 1214 lecture and a BIO 1214L laboratory period concurrently. This course does not count towards a B.S. degree in Biology and a student will not receive credit for having taken both BIO 1114 and BIO 1214.

**BIO 1214L - General Biology Laboratory**

Laboratory topics for this course include an introduction to the scientific method, the microscope, the study of the cell, a survey of microorgan-

isms, plants and animals, cell division, Mendelian genetics, protein synthesis, and the anatomic study of the human and fetal pig dissection. This course is a two-hour per week laboratory designed to accompany BIO 1214 and to fulfill a laboratory science requirement for students not majoring in biology. Students must be enrolled concurrently in a 1214 lecture and a lab section to earn credit for both courses.

### **BIO 1225 - Biology for Majors: Diversity**

This is an introductory course required for all biology majors, pre-health professions students and other science majors planning to take upper division courses in biology. An introduction to phylogenies, including the ancestral position of microorganisms, establishes the evolutionary framework for understanding life's diversity. The focus of the course is the morphological characteristics of organisms that facilitate internal regulation and illustrate adaptation, especially in plants and animals. Lecture and lab exercises emphasize growth, anatomy, transport, regulation, reproduction and diversity of plants; and nutrient procurement, movement, excretion, osmoregulation, control systems, reproduction, development, and diversity of animals.

### **BIO 1225L - Biology II for Majors Laboratory**

This is the three-hour per week laboratory to accompany BIO 1225.

### **BIO 1234 - Environmental Biology: A Global Perspective**

This course integrates concepts of ecosystem structure and function with global environmental issues such as human population growth, loss of biodiversity, natural resource conservation, and environmental pollution.

### **BIO 1304 - Plant Biology And Laboratory**

This course is an introduction to plant cells, plant morphology, plant anatomy, plant physiology, and plant diversity. Laboratory and lecture are integrated with three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIO 1204.

### **BIO 1304L - Plant Biology Laboratory**

Three hour per week laboratory to accompany BIO 1304.

### **BIO 1404 - Animal Biology And Laboratory**

Animal Biology is an introductory zoology course that surveys the similarities and differences in morphology, embryology and physiology of major animal phyla. Emphasis is on phylogenetic relationships. Laboratory and lecture are integrated with three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIO 1204.

### **BIO 1404L - Animal Biology Laboratory**

Three hour per week laboratory to accompany BIO 1404.

### **BIO 2000 - Topics In Biology**

Credit will vary from 1 to 4 hours. Lecture and discussion on selected topics of current interest in biology. Prerequisite(s): BIO 1204 with a minimum grade of "C".

### **BIO 2023 - Plants And Man**

Plants and man is a general enrichment class for majors and/or non-majors interested in learning more about the ways mankind has made, and does make, use of plants. Coverage includes important world food crops, fiber producers, medicinal, herbal and spice plants, esthetics uses, edible wild plants, poisonous plants, and current genetic research. Prerequisite(s): BIO 1114 or 1214.

### **BIO 2102 - Biological & Medical Terminology**

This course will study Greek and Latin roots in scientific words with the main emphasis on biological and medical roots. It is designed for biology majors, minors, premedical and other pre-professional health students. Prerequisite(s): One course in biological sciences.

### **BIO 2203 - Cell Biology**

This course examines the basic features of cells and methods of studying them with emphasis on elementary cellular chemistry, structure and function of cellular organelles, and cellular mechanisms of reproduction

and differentiation. Prerequisite(s): BIO 1204, CHEM 1103 and 1112 all with a minimum grade of "C".

### **BIO 2211 - Cell Biology Laboratory**

This course is an introduction to fundamental methods and standard laboratory practices utilized in cellular and molecular biology. Students will learn to conduct more independent laboratory activities in preparation for upper level courses. Prerequisite(s): CHEM 1103, BIO 1204 and (BIO 2203 or concurrent enrollment in BIO 2203), all with a minimum grade of "C".

### **BIO 2233 - Heredity And Evolution**

This course is an introduction to the basic principles of genetics and mutagenesis, and how these principles integrate into evolutionary processes. Emphasis is placed on solving problems involving different modes of inheritance as well as population genetics and natural selection. Only one of the following courses can be counted as credit toward a degree in Biology: BIO 2233 or 3304. Prerequisite(s): BIO 1304, 1404, 2203.

### **BIO 2263 - Environmental Biology**

This course studies the structural and functional components of ecosystems, natural and man made, terrestrial, and aquatic. The course is designed around three central issues: population, resources, and pollution. Students are required to supplement text material with current news and periodical information. Prerequisite(s): BIO 1304, 1404 and CHEM 1223.

### **BIO 2314 - Introduction To Microbiology & Laboratory**

This class is an introduction to microorganisms with emphasis on their classification, structure, growth, metabolism and genetics. Control of microbial growth as well as defense responses of the host are also covered. The course consists of three hours lecture and three hours laboratory per week. The laboratory provides hands-on experience in handling, isolating, staining and identifying bacteria and introduces the student to protozoans, algae, fungi and viruses. Prerequisite(s): one course in biology and chemistry, both with minimum grade of "C".

### **BIO 2314L - Introduction To Microbiology Laboratory**

Three hours of laboratory per week accompany BIO 2314. The laboratory provides hands-on experience in handling, isolating, staining and identifying bacteria and introduces the student to protozoans, algae, fungi and viruses.

### **BIO 2504 - Human Anatomy & Laboratory**

This course is an introductory study of human anatomy using models, mammalian dissection and human cadavers that have been pre-dissected (Prosection). Histology is also included. This course is for paramedical, premedical, and related majors. Credit may not be earned for both BIO 2504 and FNRL 2214. Prerequisite(s): One college course in General Biology with a minimum grade of "C".

### **BIO 2504L - Elementary Human Anatomy Laboratory**

This is a two-hour per week laboratory to accompany BIO 2504.

### **BIO 2604 - Human Physiology & Laboratory**

This course is the study of physiological functions of human body systems. The course consists of three hours lecture and three hours laboratory per week. This course is for allied health majors. Prerequisite(s): A general biology course, one chemistry course, and either BIO 2203 or 2314. Concurrent enrollment in BIO 2604L is required.

### **BIO 2604L - Human Physiology Laboratory**

This is a three-hour per week laboratory to accompany BIO 2604.

### **BIO 3000 - Workshop In Biology**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree. Prerequisite(s): Written permission of instructor.

**BIO 3024 - Plant Physiology & Laboratory**

This course provides an introductory investigation of vascular plant physiology. Topics include photosynthesis and respiration, secondary metabolism, mineral nutrition, and plant growth regulation. The course consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 1225, 2203, one of the following (3054, 3543, 3703, 3303) and STAT 2103 all with a minimum grade of "C".

**BIO 3024L - Plant Physiology Laboratory**

This is a three-hour per week laboratory to accompany BIO 3024.

**BIO 3054 - Microbiology for Majors & Laboratory**

This is a foundational microbiology course that emphasizes microbial classification, structure, growth, metabolism, genetics, biotechnology, industrial applications, and ecology. The laboratory provides hands-on experience in handling, isolating, staining, identifying, and controlling microorganisms. It includes a brief survey of microorganisms. Prerequisite(s): BIO 1204, 1225, 2203, CHEM 1223, 1232, and STAT 2103 all with a minimum grade of "C". Concurrent enrollment in BIO 3054L.

**BIO 3054L - Microbiology for Majors Laboratory**

This is a three-hour per week laboratory to accompany BIO 3054.

**BIO 3104L - Embryology Laboratory**

This is a three-hour per week laboratory to accompany BIO 3104.

**BIO 3154 - Invertebrate Zoology & Laboratory**

This course studies the classification, evolution, ecology, and morphology of all invertebrate phyla. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 3543 or 3703, and STAT 2103 all with a minimum grade of "C".

**BIO 3154L - Invert Zoology Lab**

This is a three-hour per week laboratory to accompany BIO 3154.

**BIO 3254 - Comparative Vertebrate Anatomy & Laboratory**

This course is a study of the phylogeny and evolution of vertebrate organ systems through dissection and demonstration. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203 and 3703 all with a minimum grade of "C".

**BIO 3254L - Com Vert Anatomy Lab**

This is a three-hour per week laboratory to accompany BIO 3254.

**BIO 3303 - Genetics**

This course is a study of the physical and chemical basis of inheritance with emphasis on modern theory. Prerequisite(s): Bio 1204, 1225, 2203, 2211, CHEM 1103, 1112, 1223, 1232, and STAT 2103 all with a minimum grade of "C".

**BIO 3311 - Genetics Laboratory**

This is a three-hour per week genetics laboratory course. The course emphasizes frequently used laboratory techniques in genetic studies. Prerequisite(s): BIO 3303 or concurrent enrollment in BIO 3303 and STAT 2103 all with a minimum grade of "C".

**BIO 3403 - Comparative Animal Physiology**

This course is a correlative study of animal function with emphasis on environmental and biochemical adaptations. Students may not receive credit for both BIO 3403 and BIO 3464. Prerequisite(s): STAT 2103, PHY 1114, BIO 1225, 2203 and (3543 or 3703) all with a minimum grade of "C".

**BIO 3414 - Histology And Laboratory**

This course is a study of the microstructure of animals, chiefly vertebrates with emphasis on tissue recognition. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203, and (BIO 3054 or 3543 or 3703 or 3303) all with a minimum grade of "C".

**BIO 3414L - Histology Laboratory**

This is a three-hour per week laboratory to accompany BIO 3414.

**BIO 3454 - Vertebrate Zoology & Laboratory**

Extant and extinct vertebrate animals will be studied emphasizing evolution and the form and function of the principal characteristics distinguishing major taxa. Prerequisite(s): STAT 2103, BIO 1225, 2203, 3543 and 3703 (may concurrently enroll in BIO 3543 or 3703) all with a minimum grade of "C".

**BIO 3454L - Vertebrate Zoology Laboratory**

This is a three-hour per week laboratory to accompany BIO 3454.

**BIO 3464 - Comparative Animal Physiology & Laboratory**

This course is a correlative study of animal function with emphasis on environmental and biochemical adaptations. It consists of three hours lecture and three hours laboratory per week. Students may not receive credit for both BIO 3403 and BIO 3464. Prerequisite(s): STAT 2103, PHY 1114, BIO 1225, 2203 and 3543 or 3703 all with a minimum grade of "C".

**BIO 3464L - Comparative Animal Physiology Laboratory**

This is a three-hour per week laboratory to accompany BIO 3464.

**BIO 3543 - General Ecology**

This course studies the relationships between organisms and their environment. Special emphasis is placed on environmental factors, individual responses, populations, communities, and conservation issues. Prerequisite(s): BIO 1204, 1225, and STAT 2103 all with a minimum grade of "C".

**BIO 3551 - Ecological Methods**

This course introduces students to field, laboratory, and computer-based methods in ecology. It includes the study of abiotic and biotic components of terrestrial and aquatic ecosystems. This course emphasizes common methods used in modern ecological studies of terrestrial and aquatic environments. It consists of three hours of laboratory per week, and many exercises will involve field trips. Prerequisite(s): BIO 1204, 1225, (3543 or concurrent enrollment) and STAT 2103 all with a minimum grade of "C".

**BIO 3604 - Plant Kingdom And Laboratory**

This course is a study of the life cycles, evolution and recognition of selected algae, fungi, lichens, bryophytes, and representative vascular plants. It consists of three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIO 1225, BIO 2203, (BIO 3303 or 3543 or 3703), and STAT 2103 all with minimum grade of "C".

**BIO 3604L - Plant Kingdom Laboratory**

This is a three-hours per week laboratory to accompany BIO 3604.

**BIO 3703 - Evolution**

This course is a study of the theory and processes of evolution with emphasis on their importance of evolution as a unifying concept to the field of biology. Both historical and modern concepts are incorporated into the course. Prerequisite(s): BIO 1204, 1225, 2203, CHEM 1103, 1112, 1223, 1232 and STAT 2103 all with a minimum grade of "C".

**BIO 3803 - Mammalian Physiology I**

This course is a study of mammalian physiology, using the human nervous, cardiovascular and respiratory systems as models. Prerequisite(s): BIO 2203, STAT 2103 and CHEM 1223 all with minimum grade of "C".

**BIO 3813 - Mammalian Physiology II**

This course is a study of mammalian physiology, using the human excretory, reproductive and endocrine systems as models. Prerequisite(s): BIO 2203, STAT 2103 and CHEM 1223 all with minimum grade of "C".

**BIO 3990 - Advanced Topics In Biology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 8 hours of biology.

**BIO 4012 - Introduction To Biological Research**

This course guides students in designing a research project, writing a proposal, and conducting and reporting research. Additionally, students learn to search the biological literature and critically evaluate published research papers. Emphasis is also placed on the development of written and oral communication skills. An individual research project is required. Prerequisite(s): Two courses from the following (BIO 3054, BIO 3303, BIO 3543 or BIO 3703) and STAT 2103 all with a minimum grade of "C".

**BIO 4024 - Freshwater Ecology & Laboratory**

This course studies freshwater life with special emphasis on community relationships, ecological factors in different habitats and their influence on the distributions, abundances, and adaptations of freshwater organisms. It consists of three hours of lecture and three hours of laboratory per week. Extensive field work is required. Prerequisite(s): BIO 3543, BIO 3703 (or concurrent enrollment) and STAT 2103 all with a minimum grade of "C".

**BIO 4024L - Freshwater Ecology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4024. Extensive field work is required. Prerequisite(s): must enroll in BIO 4024.

**BIO 4044 - GIS & Ecology**

This course is an examination of the use of Geographic Information Systems and their application to ecology. Topics include GPS, remote sensing, basic GIS operations, topographic and linear operations, temporal change, spatial interpolation, modeling, and its application to population, community, and landscape ecology. This course consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 3543 and STAT 2103, both with a minimum grade of "C".

**BIO 4053 - Conservation Biology**

This course is a study of anthropogenic effects on biological diversity. Through a combination of in-class lectures, discussions, and readings from the primary and secondary literature, students will learn how human activities have threatened biological diversity at the global scale, both historically and currently. Mechanisms for preventing future losses of biological diversity, both at the individual and societal levels, will be emphasized. Prerequisite(s): BIO 3543 or BIO 3303.

**BIO 4103 - History and Nature of Science**

This course surveys the history of the natural sciences beginning with the natural philosophers of ancient Greece and continuing through the Middle Ages, Renaissance and into the Modern Era. Taught as a series of historical episodes, the course will include discussion of original literature about the scientific process, including the social and philosophical implications of that process. Prerequisite(s): STAT 2103 and 12 hours of science including at least three hours at the upper division level all with a minimum grade of "C".

**BIO 4117 - Clinical Microbiology**

This course is a study of pathogenic bacteria, viruses, rickettsiae, fungi, and parasites both in theory and laboratory experience. This includes isolation, identification, antimicrobial susceptibility testing, and medical significance. Prerequisite(s): Must be admitted to Clinical Program.

**BIO 4124 - Herpetology And Laboratory**

The morphology, ecology, physiology, behavior, and evolution will be studied in extant and extinct Amphibians and Reptiles. General principles and functional processes will be illustrated using recent empirical findings. Prerequisite(s): BIO 3543, 3703 and STAT 2103 all with a minimum grade of "C"; BIO 3454 is recommended.

**BIO 4124L - Herpetology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4124. Field trips are required.

**BIO 4134 - Developmental Biology and Lab**

This course is an analysis of mechanisms of early development of invertebrates and vertebrates. Emphasis is on the cellular, molecular, and genetic study of the determination of the body plan, and morphogenesis of selected organs. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 1225, 2203, and 3303 all with a minimum grade of "C".

**BIO 4204 - Plant Ecology And Laboratory**

This course is a study of the interactions of plants with their environment. The course covers terrestrial, vascular plant ecology with investigations at the population, community, and ecosystem levels of ecology. The course consists of three hours lecture and three hours laboratory per week. Field trips are required. Prerequisite(s): BIO 3543, (BIO 3303 or BIO 3703) and STAT 2103 all with minimum grade of "C".

**BIO 4204L - Plant Ecology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4204. Field trips are required.

**BIO 4213 - Animal Behavior**

The behavior of animals will be studied emphasizing the ecological and evolutionary significance of behavior patterns in nature. General principles and processes will be illustrated using recent empirical findings. Students may not receive credit for both BIO 4213 and BIO 4254. Prerequisite(s): BIO 3154 or 3454 and STAT 2103 all with a minimum grade of "C".

**BIO 4236 - Clinical Hematology**

This course is a systematized study of disease and abnormal derivation, maturation and function, principles of hemostasis; methodology used in routine and special hematology studies; and finding correlation of hematological with physiological conditions. Prerequisite(s): Must be admitted to clinical program.

**BIO 4246 - Clinical Immunology**

This course discusses the theory of immunologic responses and procedures used in serological determinations. Discussions include the study of immunohematology, fundamentals of antigen-antibody reactions, blood groups and types, compatibility testing, blood components, and the laboratory methods used as they relate to the medical significance of immunology and infectious diseases. Prerequisite(s): Must be admitted to clinical program.

**BIO 4254 - Animal Behavior And Laboratory**

The behavior of animals will be studied emphasizing the ecological and evolutionary significance of behavior patterns in nature. General principles and processes will be illustrated using recent empirical findings. The course consists of three hours lecture and three hours laboratory per week. Field work is required. Students may not receive credit for both BIO 4213 and BIO 4254. Prerequisite(s): BIO 3154 or 3454 and STAT 2103 all with a minimum grade of "C".

**BIO 4254L - Animal Behavior Laboratory**

This is a three-hour per week laboratory to accompany BIO 4254. Field work required.

**BIO 4264 - Mammalogy And Laboratory**

This course is a survey of mammals, including their taxonomy, anatomy, ecology, distribution, behavior and natural history. It consists of three hours lecture and three hours laboratory per week and participation on weekend field trips is recommended. Prerequisite(s): (BIO 3703 or BIO 3303) and STAT 2103 with a minimum grade of "C".

**BIO 4264L - Mammalogy Laboratory**

This is a three-hour per week laboratory to accompany BIO 4264. Participation on weekend field trips is recommended.

**BIO 4294 - Plant Taxonomy And Laboratory**

This course covers vascular plant classification, identification, nomenclature and evolution with laboratory experience in plant collection and identification. The course consists of three hours lecture and three hours laboratory per week. Field work is required. Prerequisite(s): BIO 3703, one of the following courses (BIO 3054 or BIO 3303 or BIO 3543) and STAT 2103 all with minimum grade of "C".

**BIO 4294L - Plant Taxonomy Laboratory**

This is a three-hour per week laboratory to accompany BIO 4294. Field work is required.

**BIO 4324 - Marine Ecology And Laboratory**

This course studies marine life with special emphasis on community relationships, ecological factors in different habitats and their influence on the distributions, abundances, and adaptations of marine organisms. It consists of three hours lecture and three hours laboratory per week. Extensive field work, including a one-week trip to the Texas Gulf Coast is required. Prerequisite(s): STAT 2103 and BIO 3543 and (BIO 3703 or concurrent enrollment or BIO 3154) all with a minimum grade of "C".

**BIO 4324L - Marine Ecology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4324.

**BIO 4334 - Environmental Microbiology & Laboratory**

This course is an advanced study in microbiology dealing with the use of microorganisms to mineralize, detoxify and degrade environmental contaminants. This course will study the mechanisms and processes by which microorganisms are involved in the treatment of sewage, identification of waterborne microbial diseases and the process of water purification which prevents the spread of these diseases. The course will investigate the remediation of heavy metal contaminated soils. Laboratory exercises will enable students to become familiar with and to use standard tests for the analysis of water and wastewater and the biodegradation of environmental pollutants. Prerequisite(s): BIO 3054 and one of the following (BIO 3303, BIO 3543 or BIO 3703) and STAT 2103 all with minimum grade of "C".

**BIO 4343 - Molecular Biology Techniques & Laboratory**

This lecture and laboratory course presents advanced principles of DNA analysis techniques. Both human (forensic) and non-human applications will be discussed. Topics covered in this course include DNA extraction, DNA quantification, polymerase chain reaction, DNA fragment analysis, DNA sequencing, and bioinformatic databases. Prerequisite(s): BIO 3303, one of the following (BIO 3054, 3543, or 3703) and STAT 2103 all with a minimum grade of "C". Credit may not be earned for both BIO 4343 and FRSC 4333.

**BIO 4343L - Molecular Biology Techniques Laboratory**

This is a laboratory to accompany BIO 4343.

**BIO 4354 - Plant Anatomy And Laboratory**

This course includes a study of external and internal structures of vascular plants with attention to correlating structure with function. Students will be required to complete an individual research project as part of the course. It consists of three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIO 1204, BIO 1225, BIO 2203, STAT 2103 and at least three credit hours in any 3000 or 4000 level biology course, all with a minimum grade of "C".

**BIO 4354L - Plant Anatomy Laboratory**

This is a three-hour per week laboratory to accompany BIO 4354.

**BIO 4413L - Virology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4413.

**BIO 4414 - Virology and Laboratory**

This course is a study of the nature and structure of viruses, their multiplication and effects on host cells. Special attention is given to the pathogenesis of viral diseases, mechanisms of host resistance and a survey of

tumor and cancer-causing viruses. Lecture meets three hours per week. Laboratory meets three hours per week. Prerequisite(s): STAT 2103 and BIO 3054, both with a minimum grade of "C".

**BIO 4443 - Microtechnique And Laboratory**

This course is an introduction to manual techniques of tissue processing and staining procedures along with microphotography, phase microscopy, and fluorescent microscopy. Student presentations of special projects are required. It consists of one hour lecture and six hours laboratory per week. Prerequisite(s): STAT 2103 and a minimum 12 hours of biology and written permission of instructor.

**BIO 4443L - Microtechnique Laboratory**

This is a six-hour per week laboratory to accompany BIO 4443.

**BIO 4454 - Molecular Cell Physiology and Laboratory**

This course emphasizes a study of the molecular and physiological aspects of cell life. Topics include cell dynamics, protein structure and function, nucleic acids, recombinant DNA technology, subcellular organization, photosynthesis, respiration, integrated metabolism, transport, and differentiation. It consists of lecture and laboratory integrated into six hours per week; length of laboratory sessions is three hours per week. Prerequisite(s): BIO 3054, 3303 and STAT 2103 all with a minimum grade of "C".

**BIO 4454L - Molecular Cell Physiology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4454.

**BIO 4504 - Mycology And Laboratory**

This course is a general survey covering the morphology, reproduction, ecology and economic importance of the fungi, including those of medical importance, with laboratory experience in their collection, cultivation, and identification. The course consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 3054, (BIO 3543 or 3703 or 3303) and STAT 2103 all with a minimum grade of "C".

**BIO 4504L - Mycology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4504.

**BIO 4515 - Path Microbio & Immunol & Laboratory**

This course is a study of pathogenic bacteria, fungi and viruses, with emphasis on the processes leading to the development of disease symptoms, diagnosis and antibody-antigen reactions. It consists of three hours lecture and four hours laboratory per week. Prerequisite(s): STAT 2103 BIO 1225, 2203, 3054 and (CHEM 3303 or 3013) all with a minimum grade of "C".

**BIO 4515L - Path Microbio & Immunol Laboratory**

This is a four-hour per week laboratory to accompany BIO 4515.

**BIO 4554 - Oklahoma Field Biology & Lab**

This course will introduce students to the Oklahoma flora and fauna and the basic classification of the various groups of organisms. Students will learn collecting and preservation techniques and learn how to use field guides. The course will consist of a combined lecture/lab setting and include local field trips as well as several all-day or overnight trips. It consists of three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIO 3543 and permission of instructor. Junior or senior standing

**BIO 4622 - Methods Of Human Dissection & Prosection**

This course includes instruction in techniques of dissection and prosection of the human body. All organ systems are studied with special reference to skeletal landmarks and to clinical significance. There are three laboratory hours and recitation hour per week. Prerequisite(s): STAT 2103, and (BIO 2504 or BIO 3254 or FNRL 2214 or FNRL 3214) and (BIO 3054 or BIO 3543 or BIO 3703 or BIO 3303) all with a minimum grade of "C".



**BIO 4633 - Scanning Electron Microscopy & Laboratory**

This course is a study of the theory and principles of scanning electron microscopy with special attention to sample preparation, critical point drying, sputter coating, and operation of scanning electron microscope (SEM). Laboratory exercises will enable students to become proficient in the operation of the SEM and supporting instrumentation, as well as sample preparation. Prerequisite(s): BIO 1304, 1404, 2314 and 12 hours of Biology electives and STAT 2103. Senior standing.

**BIO 4714 - Aquatic Entomology & Laboratory**

This course will emphasize taxonomy, morphology, ecology, evolution, and identification of aquatic stages of insects occurring in North America. Considerable time will be spent collecting and identifying aquatic insects. Prerequisite(s): BIO 3543, BIO 3703 (or concurrent enrollment) and STAT 2103 all with minimum grade of "C". Concurrent enrollment in BIO 4714L required.

**BIO 4714L - Aquatic Entomology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4714.

**BIO 4723 - Biometrics**

This course is a study of biological applications and selected multivariate statistical techniques. Emphasis is placed on data collection, presentation, hypothesis formation and testing. Prerequisite(s): 12 hours Biology, (MATH 1453 or MATH 1513) and STAT 2103.

**BIO 4734 - Ornithology and Laboratory**

This course is a study of the birds of Oklahoma, their taxonomy, physiology, anatomy, ecology, distribution, behavior, and natural history. There is a three-hour per week laboratory. Field trips are required. Prerequisite(s): BIO 3543, BIO 3703 and STAT 2103 all with minimum grade of "C".

**BIO 4734L - Ornithology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4734. Field trips are required.

**BIO 4743 - Population Genetics & Lab**

This course is an advanced study of modern population genetic theory. Major topics in this course include: estimating genetic variation within populations; the effects of genetic drift, mutation, selection, and gene flow on genetic variation; inbreeding; estimation of population structure; quantitative genetics; and human population genetics. This course consists of two hours lecture and three hours laboratory per week. Prerequisite(s): BIO 3303, 3703 and STAT 2103 all with a minimum grade of "C".

**BIO 4754 - General Entomology & Laboratory**

This course is an introduction to insects emphasizing functional anatomy and identification of specimens to family level and exploring both basic and applied aspects of the discipline. It consists of three hours lecture and three hours laboratory per week and field trips are required. Prerequisite(s): STAT 2103, BIO 1225, 2203 and (BIO 3543 or 3703) all with a minimum grade of "C". Concurrent enrollment in BIO 4754L.

**BIO 4754L - General Entomology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4754. Field trips are required.

**BIO 4763 - Biology Of Cancer**

This course is designed to develop students' understanding of the structure, function and reproduction of normal cells and how cancer cells are different. Classification and naming of neoplasms (tumors and cancers) and spread of cancer (invasion and metastasis) will be discussed. Physical, chemical and biological agents responsible for transformation and mechanisms of oncogenesis will be examined. The clinical aspects of cancer will be characterized and methods of treatment will be included. Prerequisite(s): BIO 3303 and STAT 2103 both with a minimum grade of "C".

**BIO 4773L - Parasitology Laboratory**

This is a three-hour per week laboratory to accompany BIO 4773.

**BIO 4774 - Parasitology & Laboratory**

This course is a survey of animal parasites, including their taxonomy, life cycles, morphology, physiology, and parasitic strategies. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203, and (BIO 3054 or 3703 or 3543) all with a minimum grade of "C".

**BIO 4812 - Teach & Learn in Sci Classroom**

The course will examine pertinent contributions from recent research in the area of teaching secondary science. The course focuses on research related to improving the teaching and learning of science and on techniques and materials that meet the needs of secondary students. The course emphasizes integrating science and technology, and adapting instruction to the needs of diverse learners. Prerequisite(s): six hours of science courses at the 3000-level and admission to Teacher Education or written permission of the instructor. Junior or senior standing or above.

**BIO 4840 - Capstone**

The Capstone provides students an opportunity to apply, integrate, and demonstrate the knowledge and skills they have acquired during their undergraduate biology education. This 0 credit hour course is designed to be taken in conjunction with a capstone experience through which the student will be able to demonstrate the core competencies of the general education program of the university. Capstone experiences may include designated course options or special projects in biology. Approval of the Capstone Coordinator is required before starting a capstone experience. Regardless of the option that is chosen, students will be required to submit a reflective writing piece about their capstone experience. Prerequisite(s): Junior or senior standing with at least 60 credit hours of coursework. Enrollment open to biology and biomedical major only.

**BIO 4853 - General Methods Of Teaching Science & Laboratory**

This course is a study of different methods/approaches of teaching science (life and physical sciences, grades 6-12) and current issues in science education for secondary science education majors. Curriculum includes individual experience involving application of methods and approaches learned in the course. It consists of two hours lecture and three hours laboratory per week. Prerequisite(s): BIO 4812 and six hours of science courses at the 3000 level with junior or senior standing. Admission to Professional Teacher Education or permission of instructor.

**BIO 4853L - General Methods Of Teaching Science Laboratory**

This is a three-hour per week laboratory to accompany BIO 4853.

**BIO 4871 - Senior Seminar**

This course will focus on one biological topic determined by faculty interest. This course can be used to satisfy the capstone requirement. Prerequisite(s): Senior standing with 90 credit hours or more. Enrollment open to Biology and Biomedical majors only.

**BIO 4900 - Practicum In Biology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BIO 4910 - Seminar In Biology**

Credit will vary from 1 to 4 hours. Directed study in literature and semi-independent studies of selected problems in the biological fields. This course may be repeated for credit to a maximum of four hours. Prerequisite(s): 12 hours biology and STAT 2103.

**BIO 4920 - Workshop In Biology**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**BIO 4930 - Individual Study In Biology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BIO 4950 - Internship In Biology**

Credit will vary from 1 to 8 hours.

**BIO 4960 - Institute In Biology**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**BIO 4970 - Study Tour In Biology**

Credit will vary. Subject matter will vary within the department's field of study.

**BIOMEDICAL ENGINEERING (BME)  
Department of Engineering and Physics**

**BME 1311 - Intro to Biomedical Engr**

This course provides an introduction to the field of biomedical engineering. Topics typically include the biological interaction with ultrasound and microwave radiation, modeling, instrumentation, and medical imaging techniques. Prerequisite(s): PHY 1003 or high school physics and MATH 1593 or higher level math course.

**BME 2000 - Topics in Biomedical Engr**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BME 3000 - Workshop in Biomedical Engr**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**BME 3043 - Biomaterials**

This course covers the principles of material science underlying biomedical applications. Topics include biocompatibility, properties and structures of metals, ceramics, polymers, biomaterials, and composites. Prerequisite(s): CHEM 1103, CHEM 1112, (ENGR 1311 or BME 1311), PHY 2114 all with a minimum grade of "C" and MATH 3103 or concurrent enrollment in MATH 3103. Admission into the Engineering and Physics Upper Division is required.

**BME 3113 - Prin of Biomedical Engineering**

This course introduces physics and engineering principles to biomedical applications. Topics include strength of biomedical materials, thermodynamics, biofluids, and electricity of the human body. Prerequisite(s): CHEM 1103, CHEM 1112, MATH 3103, (ENGR 1311 or BME 1311), ENGR 2033 all with a minimum grade of "C", and BIO 2604 or concurrent enrollment in BIO 2604.

**BME 3990 - Advanced Topics in Biomed Engr**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BME 4132 - Biomedical Engineering Lab**

This course provides the students with a practical experience in applying different methods to measure physiological signals and interpret the measured data. Students will design and build digital and analog circuits that might be used in biomedical instrumentations and prosthetic devices. Prerequisite(s): ENGR 3323 with a minimum grade of "C" and [(ENGR 4233 or BME 4233) or concurrent enrollment]. Admission into the Engineering and Physics Upper Division is required.

**BME 4223 - Biomedical Imaging**

The first part of this course is an overview of biomedical imaging systems and analysis including how images are formed and what types of information they provide by examining various imaging systems such as X-ray, ultrasound, and MRI. The second part of the course introduces students to the image processing of medical images, such as reconstruction, enhancement, segmentation, registration and representation and analysis. Prerequisite(s): ENGR 3323 with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

**BME 4233 - Biomedical Instrumentation**

This course introduces students to the principles, applications, and design of the medical instruments most commonly used in hospitals. Theories of measurement and analysis of biological systems will be introduced. Instruction will be provided in the use of transducers, design integrated circuits to process biological signals, signal display and analysis, data acquisition and controls, and electrical safety. Prerequisite(s): MATH 3103, ENGR 2303, and ENGR 2311 all with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

**BME 4243 - Modeling & Analysis of BME Sys**

This course introduces students to the engineering approach to the quantitative modeling of biomedical systems including bioelectrical and biomechanical systems. These systems will be discussed, analyzed, simulated, and modeled. Prerequisite(s): ENGR 1213, ENGR 2303, ENGR 2311, ENGR 3113 all with a minimum grade of "C".

**BME 4343 - Biomechanics**

This course introduces the principles and application of mechanics (statics, dynamics, solid mechanics, fluid mechanics, and continuum mechanics) in biological and medical problems. Topics include cellular mechanics, hemodynamics, cardiovascular mechanics, ocular mechanics, musculoskeletal mechanics, and frontiers in biomechanics. Prerequisite(s): ENGR 2033 and MATH 3103 all with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

**BME 4882 - BME SR Engineering Design I**

Through discussions with the course instructor, faculty members, and industry liaisons, students will determine a design-related engineering problem they wish to study. A detailed written project proposal will be submitted and approved by the chosen faculty project director. Working as a member of a design team, students will apply the design process by developing projects from the proposal stage to the test, evaluation, and implementation stages. Students majoring in Biomedical Engineering are expected to follow this course with ENGR 4892 Senior Engineering Design II. Prerequisite(s): ENGR 3303, ENGR 3323, BME 3113, BME 4233 with senior standing. Enrollment open to Biomedical Engineering majors only.

**BME 4900 - Practicum in Biomedical Engr**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BME 4910 - Seminar in Biomedical Engr**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BME 4920 - Workshop in Biomedical Engr**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**BME 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BME 4940 - Field Study in Biomed Engr**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BME 4950 - Internship in Biomedical Engr**

Credit will vary from 1 to 8 hours.

**BME 4960 - Institute in Biomedical Engr**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**BME 4970 - Study Tour in Biomedical Engr**

Credit will vary. Subject matter will vary within the department's field of study.

**EDUCATION & PROFESSIONAL STUDIES (CEPS)****College of Education****CEPS 2000 - Topics In Education & Professional Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CEPS 3000 - Workshop: Education & Professional Studies**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CEPS 3990 - Advanced Topics: Education & Professional Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CEPS 4900 - Practicum: Education & Professional Studies**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**CEPS 4910 - Seminar: Education & Professional Studies**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**CEPS 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CEPS 4930 - Individual Study: Education & Professional Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CEPS 4940 - Field Study: Education & Professional Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CEPS 4950 - Internship: Education & Professional Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CEPS 4960 - Institute: Education & Professional Studies**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**CEPS 4970 - Study Tour: Education & Professional Studies**

Credit will vary. Subject matter will vary within the department's field of study.

**CHEMISTRY (CHEM)  
Department of Chemistry****CHEM 1003 - Chemistry And Society**

This course provides a brief introduction to the concepts and procedures of chemistry and a survey of significant contributions of the discipline to society. The course will not apply toward credits for chemistry majors or minors. Credit may not be earned in both CHEM 1003 and CHEM 1024.

**CHEM 1014 - Introduction To Chemistry & Laboratory**

This is a lecture and laboratory survey course covering selected topics in general, inorganic, organic, and biochemistry. It is designed for non-science majors with applications for the allied-health areas. The course consists of three hours lecture and three hours laboratory per week.

Concurrent enrollment in CHEM 1014L is required. This course does not apply toward credit for chemistry majors or minors. Prerequisite(s): one college level math course.

**CHEM 1014L - Introduction To Chemistry Laboratory**

This course consists of three hours of laboratory per week to accompany CHEM 1014.

**CHEM 1103 - General Chemistry I**

This course provides an introduction to the fundamental principles and basic areas of chemistry with particular emphasis on problem solving. Topics covered in this course include classifications of matter, chemical formulas and equations, stoichiometry, gas laws, thermochemistry, atomic theory, and bonding. Prerequisite(s): MATH 1453 or MATH 1513 or MATH 1533 or concurrent enrollment. Concurrent enrollment in CHEM 1112 is required.

**CHEM 1112 - General Chemistry I Recitation/Laboratory**

This laboratory course focuses on basic chemistry laboratory operations, including chemical and physical changes, data collection, and the interpretation and reporting of results. Additional topics include safety, reliability of results, use of literature, calculations, and familiarity with equipment. The course consists of one hour of recitation and three hours of laboratory. Prerequisite(s): Concurrent enrollment in CHEM 1103 is required.

**CHEM 1223 - General Chemistry II**

This course is a continuation of CHEM 1103. Topics covered in this course include properties of solutions, chemical kinetics, equilibria, second and third laws of thermodynamics, redox equations, electrochemistry, nuclear chemistry, and aspects of descriptive chemistry. Concurrent enrollment in CHEM 1232 is required. Prerequisite(s): CHEM 1103 with a minimum grade of "C".

**CHEM 1232 - General Chemistry II Recitation/Laboratory**

This laboratory course focuses on calculations involving chemical systems plus laboratory exercises demonstrating principles discussed in CHEM 1223. The course consists of one hour of recitation and three hours laboratory per week. Prerequisite(s): CHEM 1223 or concurrent enrollment.

**CHEM 1315 - Chemistry for Engineering and Laboratory**

This is a combined lecture and laboratory course covering basic concepts and principles of chemistry, and is designed specifically for engineers. The coverage includes reactions and stoichiometry; the properties of solids, liquids, and gases; thermochemistry; the electronic structure of atoms and molecules; and equilibrium, electrochemistry and kinetics. Course content provides engineers with examples of the application of chemistry of materials to current issues in energy and materials science. Prerequisite(s): (MATH 1513 or MATH 1533) or (MATH 2313 or concurrent enrollment in MATH 2313). Concurrent enrollment in CHEM 1315L required.

**CHEM 1315L - Chemistry for Engineering Recitation & Laboratory**

This laboratory course, to accompany CHEM 1315, focuses on basic chemistry laboratory operations, with particular emphasis on those areas relevant to the field of engineering. Prerequisite(s): Concurrent enrollment in CHEM 1315 required.

**CHEM 2000 - Topics In Chemistry**

Credit will vary from 1 to 4 hours. Specialty course offerings involving various areas of chemistry and their applications.

**CHEM 2104 - Quantitative Analysis & Laboratory**

This course provides an introduction to analytical chemistry including selected methods of analysis and the statistical treatment of experimental data. Students are strongly encouraged to take CHEM 2104 shortly after the completion of CHEM 1223 as the material covered in CHEM 2104 builds upon the material covered in CHEM 1223. Prerequisite(s):

CHEM 1223 and 1232 both with a minimum grade of "C". Concurrent enrollment in CHEM 2104L is required.

### **CHEM 2104L - Quantitative Analysis Laboratory**

This laboratory course accompanies CHEM 2104. Concurrent enrollment in CHEM 2104 is required.

### **CHEM 2621 - Professionalism in Chemistry I**

Professionalism in Chemistry I introduces students to career options in the field. Students will learn about areas of chemistry that are not typically introduced in general chemistry, but that could play a role in solving global issues. Students will also learn about the importance of safety and ethics in chemistry. Students will set up their department e-portfolios and begin gathering documents. Prerequisite(s): CHEM 1103 with a minimum grade of "C". Enrollment open to Chemistry majors only.

### **CHEM 3000 - Workshop In Chemistry**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speakers, etc. A grade of "P" or "F" is given. No more than six hours of workshop may be counted toward a bachelor's degree.

### **CHEM 3013 - Organic Chemistry for Life Sciences**

This course for non-Chemistry majors is a general survey of organic chemistry. Topics include nomenclature, structure, stereochemistry, and reactivity of functional groups, acyclic, cyclic and aromatic compounds. Biology and pre-professional majors should consult their advisor to determine whether this course or CHEM 3303 (Organic Chemistry I) is more suitable for their degree program. Students needing credit for organic chemistry laboratory may take either CHEM 3022 or CHEM 3312. Credit may not be earned in both CHEM 3013 and CHEM 3303. Prerequisite(s): CHEM 1223 with a minimum grade of "C".

### **CHEM 3022 - Organic Chemistry for Life Sciences Laboratory**

This laboratory course is designed for Biology majors that are not pre-health professionals. This course introduces the student to common organic chemistry laboratory skills such as the separation, purification, and preparation of organic compounds. Identification of the products in this course will be carried out using IR spectroscopy. Pre-medical, pre-pharmacy, and pre-dental students should enroll in CHEM 3312 to ensure proper credit when applying to their respective professional school. This course will not substitute for CHEM 3312. Credit may not be earned in both CHEM 3312 and CHEM 3022. Prerequisite(s): CHEM 1232 with a minimum grade of "C" and CHEM 3013 or concurrent enrollment.

### **CHEM 3203 - Introduction To Physical Chemistry**

This course covers the following topics in physical chemistry: gas laws, kinetic-molecular theory, thermodynamics, equilibrium, kinetics, electrochemistry, and quantum chemistry. Credit for this course will not apply toward major codes 6061, Chemistry ASC Certificate or 6060, Chemistry. Prerequisite(s): CHEM 2104, PHY 1114, STAT 2103.

### **CHEM 3303 - Organic Chemistry I**

This course is the first in a two-semester sequence of organic chemistry for science majors and pre-health professional students. Topics include structure, stereochemistry, preparation and reactions of selected classes or organic compounds, certain theoretical topics including reactivity and mechanisms, nomenclature and terminology, multi step synthesis, and spectroscopy. Prerequisite(s): CHEM 1223 with a minimum grade of "C".

### **CHEM 3312 - Organic Chemistry I Laboratory**

This course provides an introduction to the operations and techniques required for the synthesis, separation, purification, and identification of organic compounds. The course consists of four hours laboratory per week. Prerequisite(s): CHEM 3303 or concurrent enrollment.

### **CHEM 3323 - Organic Chemistry II**

This course is the second in a two-semester sequence of organic chemistry for science majors and pre-health professional students. Topics

covered include spectrometric identification of organic compounds, preparation and reactions of selected classes of organic compounds, nomenclature and terminology, multi-step synthesis, reactivity and mechanisms, and the structure and behavior of compounds of biological interest. Prerequisite(s): CHEM 3303 with a minimum grade of "C".

### **CHEM 3332 - Organic Chemistry II Laboratory**

This course consists of four hours of laboratory per week to accompany CHEM 3323. Operations and techniques learned in CHEM 3312 will be applied to the preparation and analysis of organic compounds. Prerequisite(s): CHEM 3312 and (3323 or concurrent enrollment).

### **CHEM 3403 - Biochemistry I**

This course provides a study of the structural aspects, functions, and chemistry of proteins, nucleic acids, lipids, and carbohydrates. Topics include enzyme kinetics, mechanism, and regulation, DNA replication, genetic engineering, and RNA and protein synthesis, biomembranes, bioenergetics, and an introduction to metabolism. Prerequisite(s): CHEM 3303 or CHEM 3013 with a minimum grade of "C".

### **CHEM 3442 - Experimental Biochemistry**

This laboratory course includes representative examples of qualitative and quantitative methods used in modern biochemistry laboratories; UV-visible recording spectrophotometry, enzymatic assays, paper and ion-exchange chromatography, polyacrylamide gel electrophoresis, tissue homogenization, and differential centrifugation. Prerequisite(s): CHEM 2104 and (CHEM 3303 or CHEM 3013) all with a minimum grade of "C" and 3403 or concurrent enrollment.

### **CHEM 3454 - Fundamentals Of Instrument Analysis & Laboratory**

This course provides an introduction to modern analytical instruments with emphasis on their design, applications and sample preparation, and the interpretation of data obtained with these instruments. Instruments studied include UV-VIS, FTIR and other spectrophotometers, fluorimeters, and gas and liquid chromatographs. Concurrent enrollment in CHEM 3454L is required. This course replaces CHEM 4205. Prerequisite(s): CHEM 2104, 3312, and 3323.

### **CHEM 3454L - Fundamentals Of Instrument Analysis Laboratory**

This is a laboratory course that accompanies CHEM 3454. Concurrent enrollment in CHEM 3454 is required.

### **CHEM 3503 - Physical Chemistry I**

This course covers the mathematical approaches to the physical properties of chemical systems, including gas laws, thermochemistry, equilibria, liquids and solutions, solids, and reaction rates. Prerequisite(s): CHEM 2104, CHEM 3312, MATH 2313, (PHY 2114 or concurrent enrollment in PHY 2114).

### **CHEM 3513 - Physical Chemistry II**

This course covers quantum mechanical investigations into chemical systems, concentrating on the fundamental nature of atoms, molecules and bonding. These principles are used to discuss the interaction of atoms and molecules with radiation and the statistical behavior of ensembles. Prerequisite(s): CHEM 3503, MATH 2323.

### **CHEM 3602 - Experimental Physical Chemistry**

This laboratory course emphasizes the collection and analysis of physical-chemical data in areas of thermodynamics, kinetics, physical properties of pure substances and mixtures, quantum mechanics, spectroscopy, and statistics. Prerequisite(s): CHEM 3312, 3513 or concurrent enrollment.

### **CHEM 3621 - Professionalism in Chemistry II**

Professionalism in Chemistry II focuses on the importance of communication in chemistry. Students will read current chemical literature and prepare oral and written summaries of a current topic in chemistry.

Students will also explore the importance of professional networking and community outreach for chemists. Prerequisite(s): CHEM 2621 and CHEM 2104 both with a minimum grade of "C". Enrollment open to Chemistry majors only with sophomore standing or above.

### **CHEM 3703 - Theory and Practice of NMR**

This course covers theory, applications, and experimental techniques of nuclear magnetic resonance (NMR) spectroscopy in chemistry. Prerequisite(s): CHEM 3323 and 3332.

### **CHEM 3990 - Advanced Topics In Chemistry**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): CHEM 3303.

### **CHEM 4103 - Biochemistry II**

Metabolic pathways and their regulation are studied, emphasizing enzyme reactions and regulation of mammalian systems. Topics include energy pathways, synthetic pathways, and the balancing of tissue needs via hormonal regulation. Prerequisite(s): CHEM 3403; CHEM 3323 and BIO 2203 are strongly recommended.

### **CHEM 4125 - Clinical Chemistry I**

This course covers the theory and laboratory methodology of analytical biochemistry, clinical microscopy, routine and special procedures, and medical significance. Prerequisite(s): appropriate premedical technology curriculum.

### **CHEM 4325 - Clinical Chemistry II**

Topics in this course include the theory and laboratory methodology of analytical biochemistry, instrumentation, laboratory mathematics, routine, and special procedures, and medical significance. Prerequisite(s): Appropriate premedical technology curriculum.

### **CHEM 4351 - Topics In Medical Technology**

Topics in this course include the principles and practices of the medical laboratory including basic management, special education methodology, and special projects in selected areas. Prerequisite(s): Appropriate premedical technology curriculum.

### **CHEM 4454 - Advanced Instrument Analysis & Laboratory**

This course provides a detailed study of modern analytical instruments with emphasis on the theory, design, applications and interpretation of data obtained from these instruments. Instrumental methods include electroanalytical and thermal analysis, NMR, atomic absorption, emission, x-ray and Raman spectroscopy, radiochemistry and select chromatographic methods. Concurrent enrollment in CHEM 4454L is required. This course replaces CHEM 4303. Prerequisite(s): CHEM 3454; CHEM 3602 or concurrent.

### **CHEM 4454L - Advanced Instrument Analysis Laboratory**

This laboratory course accompanies CHEM 4454. Concurrent enrollment in CHEM 4454 is required.

### **CHEM 4502 - Directed Research & Laboratory**

This is the capstone course for the Chemistry-Chemistry and Chemistry-ACS Certificate majors. This course enables students to learn about problems and methods in directed creative chemical research. This course may be taken up to three times for credit. Chemistry-Chemistry majors and Chemistry-ACS Certificate majors must take this course at least twice. Prerequisite(s): Written permission and concurrent enrollment in CHEM 4502L.

### **CHEM 4502L - Directed Research Laboratory**

This laboratory course accompanies CHEM 4502. Concurrent enrollment in CHEM 4502 is required.

### **CHEM 4533 - Nuclear Chemistry**

This course provides a study of the phenomenon of radioactivity and its application in the solution of chemistry problems, generally in the areas of compositional analysis, nuclear medicine, and the dating of

materials. Topics covered include the history of radiochemistry, nuclear analytical methods, health physics, and the development of an understanding of commonly-encountered nuclear and radiological materials. Prerequisite(s): CHEM 2104 and 3323 or equivalent.

### **CHEM 4603 - Advanced Organic Chemistry**

This course is primarily intended for junior and senior level students, providing the student with a more thorough understanding of organic chemistry beyond CHEM 3323 in the areas of organic synthesis, reaction mechanisms, and physical organic chemistry. Prerequisite(s): CHEM 3323.

### **CHEM 4654 - Inorganic Chemistry & Laboratory**

This course covers atomic theory and spectroscopy, periodic properties, descriptive chemistry, inorganic structure and bonding, coordination chemistry, organometallic chemistry, symmetry and group theory. Prerequisite(s): CHEM 3332; CHEM 3203 or CHEM 3503. Concurrent enrollment in CHEM 4654L is required.

### **CHEM 4654L - Inorganic Chemistry Laboratory**

This laboratory course, which accompanies CHEM 4654, covers microscale synthesis, characterization, and analysis of inorganic, coordination, and organometallic compounds. Prerequisite(s): CHEM 3332; CHEM 3203 or CHEM 3503. Concurrent enrollment in CHEM 4654 is required.

### **CHEM 4892 - Capstone for Chemistry**

Capstone in Chemistry provides a culminating experience for chemistry majors. Students integrate concepts and ideas learned in previous coursework through a project or paper. Students will also complete their e-portfolios by reflecting on their previous coursework and evaluating the skills and abilities they will bring to future jobs, professional schools, or graduate programs. Prerequisite(s): CHEM 3621 and CHEM 3454 both with a minimum grade of "C" with junior or senior standing. Enrollment open to Chemistry majors only.

### **CHEM 4900 - Practicum In Chemistry**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

### **CHEM 4910 - Seminar In Chemistry**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): CHEM 3323.

### **CHEM 4920 - Workshop In Chemistry**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **CHEM 4930 - Individual Study In Chemistry**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **CHEM 4950 - Internship In Chemistry**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **CHEM 4960 - Institute In Chemistry**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **CHEM 4970 - Study Tour In Chemistry**

Credit will vary. Subject matter will vary within the department's field of study.

**CHINESE (CHIN)****Department of Modern Languages, Literature & Cultural Studies****CHIN 1003 - Elementary Chinese Conversation I**

A general introduction to Chinese conversation for individuals with no previous, formal study of Chinese.

**CHIN 1013 - Elementary Chinese Conversation II**

This course is the sequel to Elementary Chinese Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. Prerequisite(s): CHIN 1003.

**CHIN 1114 - Elementary Chinese I**

Elementary Chinese I serves as an introduction to Chinese pronunciation, conversation, grammar, reading and writing for students from all disciplines who have had little or no exposure to the Chinese language. Students with two or more years of high school coursework in Chinese or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Chinese. Prerequisite(s): Heritage or native speakers of Chinese and students with two or more years of high school Chinese may not enroll in this course.

**CHIN 1224 - Elementary Chinese II**

Elementary Chinese II serves as a sequel and continuing introduction to Chinese pronunciation, conversation, grammar, reading and writing. Students with two or more years of high school coursework in Chinese or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Chinese. Prerequisite(s): CHIN 1114 or two years of high school Chinese. Heritage or native speakers of Chinese and students with four or more years of high school Chinese may not enroll in this course.

**CHIN 2000 - Topics In Chinese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CHIN 3000 - Workshop In Chinese**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CHIN 3990 - Advanced Topics In Chinese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CHIN 4900 - Practicum In Chinese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CHIN 4910 - Seminar In Chinese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content.

**CHIN 4920 - Workshop In Chinese**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CHIN 4930 - Individual Study In Chinese**

Credit will vary from 1 to 4 hours. Study matter will vary within the department's field of study.

**CHIN 4940 - Field Study In Chinese**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**CHIN 4950 - Internship In Chinese**

Credit will vary from 1 to 8 hours.

**CHIN 4960 - Institute In Chinese**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**CHIN 4970 - Study Tour In Chinese**

Credit will vary. Subject matter will vary within the department's field of study.

**CRIMINAL JUSTICE (CJ)  
School of Criminal Justice****CJ 1313 - Writing for CJ Professionals**

Writing for Criminal Justice Professionals focuses on the unique types of writing required in the criminal justice field, including but not limited to research papers, investigative and prosecutorial reports, press releases, search warrants, and probation reports. Emphasis will be placed on clear and effective writing. As part of the learning process, students will critique the writing of others. Students will learn and be able to demonstrate their ability to use the American Psychological Association (APA) citation style. Prerequisite(s): Enrollment open to Criminal Justice majors only.

**CJ 1413 - Introduction to the Criminal Justice System**

Introduction to the Criminal Justice System examines the basic structures and processes of the main components of the American criminal justice system and the interrelationship between the system components.

**CJ 1512 - COP Orientation**

Collegiate Officer Program Orientation is designed to cover a wide range of topics relating to the Collegiate Officer Program that are not covered in available course work. Topics will include, but not be limited to statutory responsibilities of the Council on Law Enforcement Education and Training (CLEET), law enforcement officers' duties and responsibilities, ceremonial duties, first aid, and the need for maintaining a healthy lifestyle. Prerequisite(s): Senior standing and admission to the Collegiate Officer Program. Enrollment open to Criminal Justice majors only.

**CJ 1523 - Patrol Procedures**

Patrol Procedures is a comprehensive examination of the various types of patrol and the way in which they relate to public safety challenges. The course will focus on the major functions of police patrol and factors to be considered in selection of patrol methods. Techniques used in preventive and apprehensive patrol will be explored along with the effectiveness of patrol methods. The various advantages and disadvantages of foot, bicycle, mounted, and motorized conveyances will be scrutinized. Prerequisite(s): Senior standing and admission to Collegiate Officer's Program (COP). Admission is open to Criminal Justice majors only.

**CJ 1533 - Law Enforcement Firearms**

Law Enforcement Firearms is an in-depth examination of the various elements concerning the use of firearms in the law enforcement profession. The course will focus on firearms safety, training, maintenance, and shooting fundamentals, with emphasis on tactical mindset and decision-making. Use of force, including the use of deadly force, will be explored and discussed in depth. Prerequisite(s): Senior standing and admission to the Collegiate Officer Program. Enrollment is open to Criminal Justice majors only. Concurrent enrollment in CJ 1543, 1553 and 1563 required.

**CJ 1543 - Custody & Control Tactics**

Custody and Control Tactics is an in-depth examination with aspects of force in custodial settings. This course instructs students in the necessary attitudes, knowledge and psychomotor skills required for weaponless subject control, intermediate range weapons use and self-defense techniques. The course also instructs students in how to minimize the use of excessive and unnecessary deadly force to meet legal review.

Prerequisite(s): senior standing and admission to Collegiate Officer Program (COP). Enrollment open to Criminal Justice majors only. Concurrent enrollment in CJ 1533, 1553 and 1563 required.

### **CJ 1553 - Law Enforcement Driver Training**

Law Enforcement Driver Training satisfies one of the law enforcement requirements for CLEET certification in Oklahoma. The course examines the unique psychological and physical characteristics involved in law enforcement driving. Students will explore the factors contributing to accidents and learn techniques for collision prevention. During the driving phase of the course, students will demonstrate an understanding of concepts learned in the classroom and hone driving skills essential to entry-level police officers. Concurrent enrollment in CJ 1533, 1543, and 1563.

### **CJ 1563 - Traffic & Accident Investigation**

Traffic and Accident Investigation is an in-depth look at the laws governing vehicles and traffic in the state of Oklahoma along with specifics on accident investigation. Legal examination of Title 47 will focus on enforcement-related statutes. Accident investigation topics include: responding to the scene, scene protection, gathering and preservation of evidence, and accident reconstruction. Practical exercises will enhance learning and develop needed skill sets. Prerequisite(s): senior standing and admission to the Collegiate Officer Program. Enrollment open to Criminal Justice majors only. Concurrent enrollment in CJ 1533, 1543 and 1553 is required.

### **CJ 2000 - Topics In Criminal Justice**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **CJ 2213 - Introduction to Crime Analysis**

Introduction to Crime Analysis is designed to acquaint students with the process of crime analysis utilizing critical thinking methods. The course explores ways to find meaningful information in vast amounts of data and disseminate the results in a logical and organized manner. Prerequisite(s): ENG 1113

### **CJ 2413 - Careers & Technologies in Criminal Justice**

Careers and Technologies in Criminal Justice is designed to introduce students to the many career paths that exist in criminal justice and common skill sets needed for communication, problem solving and leadership abilities that are required by various agencies. Students will also explore the history of technologies used by CJ, as well as current and future trends.

### **CJ 2653 - Police Administration and Organization**

Police Administration and Organization explores the evolution of police agencies in the United States with emphasis on organizational structures, managerial concerns, roles and functions of various agencies, the nature and responsibilities of police work, the interrelationships of departmental units, and community relations. Prerequisite(s): ENG 1113 and sophomore standing or above.

### **CJ 3000 - Workshop In Criminal Justice**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **CJ 3103 - Juvenile Delinquency**

Juvenile Delinquency is the study of the nature and extent of deviant behavior by legal minors in contemporary society. This course explores the history, organization, and procedures of the juvenile justice system. This course also describes the psychological, sociological, and biological factors and conditions contributing to delinquency while discussing the control and treatment of juvenile delinquency. Credit may not be earned for both SOC 3103 and CJ 3103. Prerequisite(s): Sophomore standing or above.

### **CJ 3423 - Laws of Arrest, Search, & Seizure**

Laws of Arrest, Search, & Seizure presents a consideration and analysis of the most significant and recent Supreme Court decisions as they pertain to the rights of the accused in the areas of arrest, search and seizure, interrogation, and right to assistance of counsel. Prerequisite(s): ENG 1213 and junior or senior standing.

### **CJ 3513 - Legal Orientation**

Legal Orientation is an overview of criminal law, the Oklahoma court system, and legal terminology. The course will include fundamentals of tort law, civil liability, and explore concepts of immunity. The course will also expose students to the legal elements required of peace officers in serving both civil and criminal documents. Students will learn the basics of state and federal forfeiture statutes, become familiar with legal issues surrounding the use of force, the Oklahoma Juvenile Code, laws governing Indian country jurisdiction, and immigration law.

### **CJ 3633 - Criminology**

Criminology examines the theoretical explanations of crime and diverse types of criminal behavior. Credit may not be earned for both SOC 3633 and CJ 3633. Prerequisite(s): Sophomore standing or above.

### **CJ 3703 - Administration of Correctional Institutions**

Administration of Correctional Institutions is a study of historical and contemporary approaches to corrections and the administration of penal institutions with emphasis on the organizational structure, function, and personnel requirements of correctional institutions as well as the philosophy behind their operation. Special attention will be directed towards modern concepts of rehabilitation and problems associated with their implementation in penal institutions. Prerequisite(s): ENG 1113, 1213, CJ 1413 and junior standing or above.

### **CJ 3813 - Applied Ethics for CJ Pract**

Applied Ethics for Criminal Justice Practitioners is a critical examination of the diverse ethical issues in law enforcement, courts, and corrections. The course covers constitutional ethics, Codes of Ethics, and standards of conduct as they apply to criminal justice professionals. The course examines current issues related to ethics within the field and focuses on applied ethics. Prerequisite(s): ENG 1113, ENG 1213 and CJ 1413 with junior or senior standing.

### **CJ 3990 - Advanced Topic**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **CJ 4003 - Community Oriented Policing**

This course examines police and community collaboration to solve and prevent crime with a focus on police/community relations. The course will explore the history, current strategies, the impact of community on crime, disorder and fear of crime that contribute to friction or cooperation between law enforcement and the community. Prerequisite(s): ENG 1113, 1213, CJ 1413 and junior or senior standing.

### **CJ 4013 - Elements Of Criminal Offenses**

Elements of Criminal Offenses examines the foundations of American jurisprudence and the enactments of criminal offense statutes. The elements of crimes against persons, morality, alcohol/drug offenses, white collar, organized crime, offenses against public health, offense against public order and offenses against justice and public order will be reviewed in detail. The course material will also examine other miscellaneous crimes, statutes and important appellate court cases. Prerequisite(s): ENG 1113, 1213, CJ 3423. Junior or senior standing.

### **CJ 4023 - Modern Criminal Investigations**

Modern Criminal Investigation is designed to combine the practical and theoretical aspects of criminal investigations. Students will develop an analytical and practical understanding of the investigative processes and explore crime solving technology and techniques. Prerequisite(s): ENG 1113, 1213, CJ 3423. Junior or senior standing.

**CJ 4033 - Critical Issues In Criminal Justice**

Critical Issues in Criminal Justice presents to the student major critical issues facing the criminal justice system in America. Major emphasis will be placed on the making of criminal law, police power in a democratic society, problems within the court and the correctional process in America. The course intends to develop an in-depth understanding on the part of the student concerning major critical issues in the area of criminal justice. Prerequisite(s): ENG 1113, ENG 1213 and CJ 1413 with junior or senior standing.

**CJ 4043 - Introduction to Criminal Justice Statistics**

Introduction to Criminal Justice Statistics is designed as an introduction to statistics and their application in criminal justice research. The focus of the course is to help students identify and understand how statistics are used to describe data and make inferences about the relations between variables. Students will learn descriptive techniques and statistical procedures for decision-making. Prerequisite(s): ENG 1113, 1213, CJ 1413 with junior standing or above. Enrollment open to Criminal Justice majors only.

**CJ 4063 - Innovation In Corrections And Penology**

This course will be designed to explain the needs for research and the interpretation of data in the criminal justice system. Emphasis will be placed on planning, interpretation, implementation, and evaluation of programs in corrections and penology. The remainder of the course will focus on new and innovative programs in corrections and penology. Prerequisite(s): ENG 1113 and 1213.

**CJ 4113 - Research Methods In Criminal Justice**

Research Methods in Criminal Justice is primarily designed to acquaint students with quantitative and qualitative research methodologies, including an in-depth analysis of the following: conceptualization of research, type of sampling strategies, data collection methods, research design and proposal writing. Prerequisite(s): ENG 1113, 1213, CJ 1313 (CJ 1413 and SOC 3633 or CJ 3633 with minimum grades of "C"). Enrollment open to criminal justice majors only with junior or senior standing.

**CJ 4123 - The Jury System**

This course is designed to provide an indepth study of the processes and procedures of a jury trial in the American criminal justice system. The course will cover: the origin of juries, how jury panels are developed, how juries are selected, the criminal trial court procedures during trial, the legal rights of an accused during a trial, a brief overview of the appellate court system for criminal cases. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

**CJ 4143 - Family Violence Investigations**

This course will cover law enforcement/social service agency investigations of family violence and provide an overview of the many facets, characteristics and theories of family violence, including but not limited to, child abuse/neglect, elder abuse/neglect, domestic violence (spousal & non-spousal), dating violence and date rape. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

**CJ 4203 - Dangerous/Violent Offenders**

This course presents the characteristics, behaviors, and attitudes of violent offenders with particular emphasis on sex offenders. The areas of domestic violence, pedophilia, sexual assault, and mass and serial murder comprise separate sections of the course. Prerequisite(s): ENG 1113, 1213, (SOC 3633 or CJ 3633).

**CJ 4213 - Drug Dependency and Crime**

This course examines major categories of drugs that are sold and abused in America. The history of drug use, legislation and enforcement, sociology and psychology of drug abuse and drug abuse prevention/treatment will be included. Prerequisite(s): ENG 1113 and 1213. Junior standing or above.

**CJ 4323 - Victimology**

Victimology is designed to provide a complete and integrated study of victimization, including a comprehensive review of the history and theories of victimology, the interaction of crime victims with others in the criminal justice system, an in-depth examination of current as well as classical works in the field and a focus on victim services. Prerequisite(s): ENG 1113, 1213 and junior standing or above.

**CJ 4413 - Delinquent Child Law**

Delinquent Child Law is an in-depth study of the evolution of the laws affecting juveniles, Oklahoma and federal juvenile statutes, development of the juvenile court structure, terminology unique to the juvenile legal system and processes and legal procedures of juvenile courts in Oklahoma and the United States. Prerequisite(s): ENG 1113 and 1213.

**CJ 4423 - Child Abuse And Neglect Law**

This course is designed to give the student an overview of the development of unique terminology, institutions, social service agencies, police units, procedures and courts to protect abused/neglected children in Oklahoma and the United States. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

**CJ 4433 - Oklahoma Juvenile Correctional System**

This course is a comprehensive survey of the Oklahoma juvenile correction system. Included will be a review of the statutes creating, regulating and dictating the agency, institutions, infrastructure, processes, treatment procedures and personnel of various institutions and agencies. Prerequisite(s): ENG 1113, 1213, SOC 4573, CJ 4413, 4423. Junior or senior standing.

**CJ 4443 - International Juvenile Systems**

This course is designed to give the student an overview of various international juvenile systems and explore how those countries deal with juvenile delinquents and other juveniles in comparison to juvenile court procedures and laws in the United States. Prerequisite(s): ENG 1113, 1213, SOC 4573, CJ 4413, 4423, 4433. Junior or senior standing.

**CJ 4523 - Cyber Crime**

Cyber Crime provides an introduction to the investigation of computer crime and the forensic examination of digital evidence. This course involves intensive study of the history and terminology of computer crime; the types of crimes committed in cyberspace; a behavioral profile of computer offenders; legal issues in cyberspace; the proper collection and preservation of digital evidence, and an overview of computer forensics. Prerequisite(s): ENG 1113, 1213, CJ 1413. Junior or senior standing. Permission of instructor.

**CJ 4533 - White Collar Crime**

White Collar Crime will broaden students' understanding of crime by focusing specifically on this type of crime. Emphasis will be placed on the following: definitional debates about white collar crime, the complex nature of victimization, offender sentencing issues, and difficulties inherent in the criminal justice system response to white collar crime. Prerequisite(s): ENG 1113, 1213, (CJ 1413 or LS 3113) with a minimum grade of "C". Junior or senior standing.

**CJ 4633 - Terrorism & Homeland Security**

This course is designed to provide students with an overview of the historical and current context of international and domestic terrorism using a criminological and criminal justice framework. The course will explore terrorist ideologies, existing and potential terrorist threats, and an analysis of recent terrorist attacks. The course will include discussions of the development of the Department of Homeland Security, the Patriot Act, and the role of the criminal justice system in balancing the protection of the United States and the security of civil liberties. Prerequisite(s): ENG 1113, 1213, CJ 1413. Junior or senior standing.

**CJ 4663 - Inside-Out Prison Exchange**

The Inside-Out Prison Exchange is an opportunity for a small group of students from the University of Central Oklahoma and a group of resi-



dents of a correctional facility to exchange ideas and perceptions about crime and justice, the criminal justice system, corrections, and imprisonment. It is a chance for all participants to gain a deeper understanding of the criminal justice system through the marriage of theoretical knowledge and practical experience achieved by weekly meetings extended throughout the semester. Prerequisite(s): ENG 1113, ENG 1213 and sophomore standing or above.

#### **CJ 4713 - Community-Based Corrections**

Community-Based Corrections is designed to give the student a comprehensive survey of community-based corrections in Oklahoma and the United States, including probation, parole, halfway houses, work furlough programs and other components of community-based corrections. Prerequisite(s): ENG 1113, 1213, CJ 3703. Junior or senior standing.

#### **CJ 4723 - Critical Issues In Corrections**

Critical Issues in Corrections is designed to give the student a comprehensive survey of the controversial issues in Oklahoma and American corrections, including but not limited to: rehabilitation v. punishment; shaming, electronic monitoring, boot camps, privatization; community supervision v. incarceration, drug offender incarceration v. treatment, white collar offenders, death penalty for adults and juveniles, coed institutions, incarceration of pregnant women and other issues in the field of corrections. Prerequisite(s): ENG 1113, 1213, CJ 3703. Junior or senior standing.

#### **CJ 4813 - Oklahoma Adult Correctional System**

This course is a comprehensive survey of the Oklahoma adult correction system. Included will be a review of the statutes creating, regulating and mandating the infrastructure, processes, procedures and personnel of various institutions and agencies. Prerequisite(s): ENG 1113, 1213, CJ 4703, 4063, and 4723. Junior or senior standing.

#### **CJ 4823 - International Correction Systems**

This course is a survey of various correction systems in the world, including England, France, Sweden, Japan, Russia, China and will include a comparison to corrections in Oklahoma and the United States. The correction systems will be explored in the context of the political, historical, organizational and procedural context for the various countries. Prerequisite(s): ENG 1113, 1213, CJ 4703, 4713, 4723, and 4813. Junior or senior standing.

#### **CJ 4900 - Practicum In Criminal Justice**

Credit will vary from 1 to 4 hours. Field experience in criminal justice related situations. Prerequisite(s): ENG 1113 and 1213.

#### **CJ 4910 - Seminar In Criminal Justice**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

#### **CJ 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **CJ 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Study completed on individual basis covering material specified by the instructor. Prerequisite(s): ENG 1113 and 1213.

#### **CJ 4940 - Field Study In Criminal Justice**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213. Enrollment is open to criminal justice majors only with senior standing.

#### **CJ 4950 - Internship In Criminal Justice**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced student. Prerequisite(s): ENG 1113 and 1213.

#### **CJ 4960 - Institute In Criminal Justice**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Assignments are given and students receive normal letter grades. Prerequisite(s): ENG 1113 and 1213.

#### **CJ 4970 - Study Tour In Criminal Justice**

Credit will vary. Subject matter will vary within the department's field of study. An enrollment associated with educational travel organized through university faculty. Such enrollment may be for credit or audit. Prerequisite(s): ENG 1113 and 1213.

### **COMPUTER SCIENCE (CMSC)**

#### **Department of Computer Science**

#### **CMSC 1053 - Professional Computer Applications & Problem Solving**

This course provides a hands-on introduction to current professional computer applications such as word processing, spreadsheets, Web authoring and presentation. Essential concepts of computer hardware, software, network and security issues are covered. Special attention is devoted toward problem solving using software applications in both personal and workplace computing environments. Legal and ethical issues related to the use of computers are also addressed.

#### **CMSC 1103 - Introduction To Computing Systems**

This course includes the history of computers, microcomputers, stored program principles, hardware organization, number systems, types and uses of computers, programs and programming, terminology of the trade and an introduction to time-sharing. Prerequisite(s): Two years high school algebra.

#### **CMSC 1503 - Introduction To Programming For Non-majors**

Introductory visual programming concepts are presented. Topics for this class include how to write Windows type programs, basic concepts of how a computer runs a program, algorithm development, simple database access and designing a graphical user interface. This course is recommended for people who are not majoring in computer science but would like an introductory course in writing programs. Prerequisite(s): 2 years of high school algebra.

#### **CMSC 1513 - Beginning Programming**

This course includes an introduction to programming concepts, problem identification and problem solving techniques. A specific computer language will be used for the implementation of the problem solving process, and programming assignments will be given so the student can demonstrate mastery of the language and the problem solving techniques used. The section listings will specify the computer language to be used as Beginning Programming (language): for example Beginning Programming (Pascal). Prerequisite(s): 2 years high school algebra.

#### **CMSC 1521 - Beginning Programming Lab**

This is a laboratory for CMSC 1513 Beginning Programming. It allows students to practice basic programming techniques using a specific computer language. Prerequisite(s): CMSC 1513 or concurrent enrollment.

#### **CMSC 1613 - Programming I**

Programming I introduces basic computer programming language constructs. Scalar and aggregate data types are discussed. Expressions, assignment, selection and iteration statements, and subprograms are presented. Prerequisite(s): (MATH 1513 or 1533) and (CMSC 1513 or Advanced Placement high school programming course). Concurrent enrollment in CMSC 1621 is required.

#### **CMSC 1621 - Programming I Laboratory**

This is a laboratory for CMSC 1613 Programming I. It allows students to practice programming with basic computer language constructs. Prerequisite(s): CMSC 1613 or concurrent enrollment.

**CMSC 2000 - Topics In Computing Science**

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

**CMSC 2123 - Discrete Structures**

Discrete Structures introduces the theoretical foundation for the discipline of computer science and its application to computing.

Prerequisite(s): CMSC 1613 and (MATH 2313 or concurrent enrollment in MATH 2313).

**CMSC 2413 - Visual Programming**

This course is an introduction to graphical user interfaces, event driven programming and windows on- screen objects such as command buttons, text boxes, option buttons and graphics. Programming projects will require students to design interactive screens as well as code subroutines to implement the programs. Prerequisite(s): CMSC 1513 or 1503.

**CMSC 2613 - Programming II**

Programming II introduces students to common programming components including stacks, queues, lists, and trees. Time complexity and algorithm analyses are discussed and applied to sorting algorithms.

Prerequisite(s): CMSC 1613 and concurrent enrollment in CMSC 2621..

**CMSC 2621 - Programming II Laboratory**

This is a laboratory for CMSC 2613 Programming II. It allows students to practice with common programming components and algorithms.

Prerequisite(s): CMSC 2613 or concurrent enrollment.

**CMSC 2813 - Assembly Language Programming**

This course provides an introduction to the hardware organization of a chosen computing machine and to assembly language programming on that machine. Prerequisite(s): CMSC 1613.

**CMSC 2833 - Computer Organization I**

This course introduces data representation in computer systems, combinational and sequential digital logic circuits, machine organization, memory, instruction processing, and assembly language. Prerequisite(s): CMSC 1613 with a minimum grade of "C".

**CMSC 3000 - Workshop In Computing Science**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CMSC 3303 - Systems Analysis And Design**

This course examines the spectrum of requirements for the design, planning, and implementation of computer systems. Through case studies, students will analyze existing situations in order to propose new systems solutions. Credit may only be earned in one of the following: CMSC 3303, CMSC 4283 or SE 4283. Prerequisite(s): CMSC 2413 or 2613. Junior or senior standing.

**CMSC 3413 - Enterprise Programming**

This course introduces enterprise programming concepts including building and using classes, database access, client/server systems, web forms, Windows forms, and security features. Prerequisite(s): CMSC 2613.

**CMSC 3613 - Data Structures & Algorithms**

This course is a continuation of Programming II and is a study of more efficient algorithms for storing and retrieving information. The theory and application of graphs are presented. Time and space complexity analyses are performed on all algorithms. Prerequisite(s): CMSC 2123 and 2613 and MATH 2323 and (STAT 2103 or 2113 or 4113). Concurrent enrollment in CMSC 3621 is required.

**CMSC 3621 - Data Structures/Algorithms Lab**

This is a laboratory for CMSC 3613 Data Structures & Algorithms. It allows students to practice programming with efficient algorithms for

storing and retrieving information. Prerequisite(s): CMSC 3613 or concurrent enrollment.

**CMSC 3833 - Computer Organization II**

The study of computer organization will be a continuation of Computer Organization I and will include memory system architecture, interfacing and communication of computer elements, functional organization, multiprocessing and alternate architectures, and performance enhancements. Prerequisite(s): CMSC 2833 and 2613 with a minimum grade of "C".

**CMSC 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CMSC 4003 - Applications Database Systems**

This course covers the integration of theory and practice in the use of current database systems and the access of those systems. The course covers the relational and E-R models for database organization. Topics presented in this course include query languages (e.g. SQL), normalization, database integrity and security, file access methods, query processing, transaction processing, and backup/recovery. Credit may not be earned for both CMSC 4003 and ISOM 4263. Prerequisite(s): CMSC 2613 and MATH 2313 and (STAT 2103 or 2113 or 4113).

**CMSC 4023 - Programming Languages**

The course provides a study of the underlying concepts of programming languages such as automata, grammars, translation, bindings, scope, data types, control, subprogramming, concurrency, and exception handling. Languages representing contrasting paradigms are studied. Prerequisite(s): CMSC 3613.

**CMSC 4063 - Networks**

The course is a study of local and wide area networks and their implementations. Included is the theory governing layered network architectures, the ISO-OSI communications interface, the TCP/IP protocol, packet transmission, error-correction techniques, addressing and routing, and the use of existing communications software. Prerequisite(s): CMSC 3613.

**CMSC 4133 - Concepts Of Artificial Intelligence**

This course is a study of the basic concepts and techniques of artificial intelligence or intelligent systems. Some of the topics covered are search techniques, heuristics, expert systems, systems of logical inference, methods of representing knowledge, and AI programming. Prerequisite(s): CMSC 3613.

**CMSC 4153 - Operating Systems**

This course is a study of operating system theory. Topics include process management, mutual exclusion between concurrent processes, process deadlock, scheduling strategies, management of real, virtual, and external memories, parallel processing, and network systems. Prerequisite(s): CMSC 3613.

**CMSC 4173 - Translator Design**

Translator Design introduces the principles, tools and techniques used to design a programming language compiler. Topics covered include lexical, syntax, and semantic analysis, finite automata, regular expressions, LL and LR grammars, type systems and checkers, code generation, interpreters, optimization and code improvement. Prerequisite(s): CMSC 3613.

**CMSC 4193 - Introduction to Robotics**

This course discusses the programming of mobile robots. It includes applications of robots, sensors, actuators, types of locomotion, robotic programming (including multi-threaded programming, behavior-based arbitrator programming, and the hybrid deliberative/reactive model), and simultaneous location and mapping (SLAM). Prerequisite(s): CMSC 3613.

**CMSC 4273 - Theory Of Computing**

Theory of Computing is a study of computation theory encompassing three broad categories: formal languages and automata theory, computability theory, and complexity theory. The topics covered include Turing

machines, finite automata, nondeterminism, pushdown automata, decidability, and NP-completeness. Prerequisite(s): CMSC 3613.

### **CMSC 4303 - Mobile Application Programming**

Theory and practice of mobile application programming are studied, which includes the study of mobile computing platforms, mobile user interfaces, animation, graphics, and the use of the media framework and telephony APIs. Extensive practice on a specific mobile development platform is included. Prerequisite(s): CMSC 3103 or SE 3103.

### **CMSC 4313 - Internet of Things**

In this course, we will study the ‘things’ that make up the Internet of Things (IoT). The topics include what these ‘things’ are, how they are connected, how they communicate, how large sets of data collected by the IoT can be stored in cloud storage, and how such data can be utilized. We will also examine the security and privacy issues surrounding IoT. In the term project, students will design and develop new IoT applications. Prerequisite(s): CMSC 2833 and SE 3103.

### **CMSC 4323 - Computer and Network Security**

This course examines principles of computer and network security. Topics include security principles, software security, web security, cryptography and its applications, network security, and privacy issues. Students will learn practical knowledge and skills to identify and defend against security threats. Prerequisite(s): CMSC 3613.

### **CMSC 4373 - Web Server Programming**

Theory and practice of web server-side programming, including materials on presentation logic, business logic, session control, and database management are studied. Extensive practice in a specific server-side programming language is included. Prerequisite(s): CMSC 3103 or SE 3103 with a minimum grade of “C”.

### **CMSC 4383 - File Structures**

File structures is a study of the physical characteristics of direct storage devices and the data structures that provide for efficient storage and access of data. It includes analysis of the efficiency of the access methods with respect to the time and space requirements. Prerequisite(s): CMSC 3613.

### **CMSC 4401 - Ethics in Computing**

Ethics in Computing is a study of social, ethical, and professional issues related to computing. Prerequisite(s): CMSC 3613.

### **CMSC 4513 - Software Design & Development**

Software Design and Development is the capstone course in computer science. Students have an opportunity to demonstrate and integrate skills acquired in their program of study to a project. Oral and written presentation of project concepts is emphasized. Students are required to complete the department’s assessment instrument. Prerequisite(s): CMSC 4003 and (CMSC 4283 or SE 4283 or CMSC 3303), senior standing.

### **CMSC 4843 - Methods Of Teaching Computing**

This course covers problems, materials, and methods in the teaching of computer science in the secondary school. Prerequisite(s): MATH 1643.

### **CMSC 4900 - Practicum In Computing Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Prerequisite(s): Written permission of instructor.

### **CMSC 4910 - Seminar In Computing Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Prerequisite(s): CMSC 3613.

### **CMSC 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department’s field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 6 hours of workshop may be counted toward a bachelor’s degree.

### **CMSC 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Directed study in various problem areas and applications of computers and the computer sciences. May include working in a computer installation. Prerequisite(s): 9 hours of computer science and written permission of instructor.

### **CMSC 4950 - Internship In Computer Science**

Credit will vary from 1 to 8 hours.

### **CMSC 4960 - Institute In Computing Science**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study. Prerequisite(s): Written permission of instructor.

### **CMSC 4970 - Study Tour In Computer Science**

Credit will vary. Subject matter will vary within the department’s field of study.

## **CREATIVE STUDIES (CSDY)**

### **Department of English**

### **CSDY 2000 - Topics In Creative Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

### **CSDY 2513 - Intro to Creative Writing**

Introduction to Creative Writing focuses on literary composition with an emphasis on genre conventions and literary techniques through study of readings and practice in writing fiction, poetry, playwriting and/or screenwriting, and creative non-fiction. Prerequisite(s): ENG 1113. Enrollment open to English, English Education and Technical Writing majors only.

### **CSDY 3000 - Workshop In Creative Studies**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 6 hours of workshop may be counted toward a bachelor’s degree.

### **CSDY 3273 - Fiction Writing**

Fiction Writing focuses on the intensive study of writing literary fiction with special attention paid to characterization, plot structure, setting, narrative point of view, subject matter, and voice. Prerequisite(s): ENG 1113, ENG 1213, and CSDY 2513.

### **CSDY 3283 - Creative Nonfiction Writing**

Creative Nonfiction Writing focuses on the intensive study of writing literary creative nonfiction in narrative and non-narrative modes. Prerequisite(s): ENG 1113, ENG 1213, and CSDY 2513.

### **CSDY 3353 - Poetry Writing**

Poetry Writing focuses on the intensive study of writing poetry with special attention paid to formal elements and the development of the writer’s voice. Prerequisite(s): ENG 1113, ENG 1213, and CSDY 2513.

### **CSDY 3573 - Fundamentals Of Creative Writing I**

This course is designed primarily for students seriously interested in creative composition, poetry, the short story, novel, playwriting, and scenario forms.

### **CSDY 3583 - Fundamentals Of Creative Writing II**

Fundamentals of Creative Writing II is a more advanced course dealing with the more complex problems in creative composition: poetry, the short story, novel, playwriting, and scenario forms. Prerequisite(s): CSDY 3573.

### **CSDY 3990 - Advanced Topics**

Credit will vary from 1 to 3 hours.

### **CSDY 4273 - Writing The Novel**

Writing the Novel provides advanced instruction in the craft of writing a novel intended for publication through the study of published novels

and workshop-styles critique of student-generated novel installments. This course may be taken a maximum of three times for credit.

### **CSDY 4283 - Writing the Short Story**

Writing the Short Story requires students to produce short fiction and complete writing assignments designed to strengthen writing skills. Emphasis is given to contemporary examples of the short story form and the elements of fiction. Prerequisite(s): ENG 1113, ENG 1213, and CSDY 3273.

### **CSDY 4313 - Writing Mystery/Adventure**

The student will read popular and classic adventure/mystery stories and write creatively in both genres. This course may be taken three times for credit. Prerequisite(s): CSDY 3573.

### **CSDY 4353 - Creating The Poem**

Students will learn to analyze poetry in terms of tone, persona, literal and figurative imagery, arrangement, symbolism, allusion, myth and archetype, sound and devices used to achieve the desired effect, poetic forms, and various styles. Students will write poetry in many different forms and styles. This course may be taken three times for credit. Prerequisite(s): Junior/senior standing.

### **CSDY 4413 - Writing For Children**

Writing for children allows students to try writing for various age groups from infants through young adults. The course looks at the history of writing for children and the psychology of learning to read. Award winning books and authors will be studied, and the habits of successful writing will be explored. This course may be taken three times for credit. Prerequisite(s): Junior/senior standing.

### **CSDY 4423 - Writing Comedy and Satire**

Writing Comedy and Satire provides students with a comprehensive overview of contemporary comic and satiric writing. Students enrolled in this course will read contemporary comic and satiric literature, will study and practice the techniques of effective comic and satiric writing, and will produce original comic and satiric works in a variety of genres. This course may be taken three times for credit. Prerequisite(s): ENG 1113 and ENG 1213.

### **CSDY 4513 - Playwriting**

The student will read popular play scripts, view live play productions, and write creatively in the dramatic genre. This course may be taken three times for credit. Prerequisite(s): CSDY 3573.

### **CSDY 4523 - Screenwriting**

The student will read contemporary screenplays, view popular movies, and write creatively in the screenplay genre. This course may be taken three times for credit. Prerequisite(s): CSDY 3573.

### **CSDY 4533 - Writing For Television**

The student will read popular television scripts, view and analyze television shows, and write creatively in the television genre. This course may be taken three times for credit. Prerequisite(s): CSDY 3573.

### **CSDY 4573 - Writing for Movies/TV/Stage**

Writing for Movies, Television and Stage is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of the history, composition, revision and marketing of dramatic writing, with specific attention to the writing of screenplays, teleplays and stage plays. This course may be taken three times for credit. Prerequisite(s): ENG 1113 and ENG 1213.

### **CSDY 4583 - Writing SciFi/Fantasy**

Writing Science Fiction and Fantasy is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of the history, composition, revision and marketing of works of science fiction and fantasy literature. This course may be taken three times for credit. Prerequisite(s): ENG 1113 and ENG 1213.

### **CSDY 4723 - Writing Comic Books and Graphic Novels**

Writing Comic Books and Graphic Novels is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of all aspects of the history, composition, revision, and marketing of comic books and graphic novels. This course may be taken three times for credit. Prerequisite(s): ENG 1113 and 1213

### **CSDY 4753 - Publishing & Editing**

Publishing & Editing affords students a real-world opportunity to learn strategies and techniques for soliciting manuscripts, judging submissions, selecting, editing, negotiating editor-author relations, designing, laying out, proofing, advertising, promoting, and distributing academic and/or literary journals. This course is cross-listed with ENG 4753. The course, "Publishing & Editing", may be taken a maximum of two times for credit, whether taken under ENG, CSDY or a combination. Prerequisite(s): ENG 1113 and ENG 1213 with junior or senior standing.

### **CSDY 4893 - Creative Writing Capstone**

Creative Writing Capstone provides senior English-Creative Writing majors with the opportunity to complete a capstone project in the discipline, and it supports students as they prepare to enter the workforce or to pursue graduate study. Prerequisite(s): 15 hours of CSDY including CSDY 3573 and CSDY 3583. Senior standing. Enrollment open to English-Creative Writing majors only.

### **CSDY 4900 - Practicum In Creative Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **CSDY 4910 - Seminar In Creative Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **CSDY 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **CSDY 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **CSDY 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

### **CSDY 4950 - Internship In Creative Studies**

Credit will vary from 1 to 8 hours.

### **CSDY 4960 - Institute In Creative Studies**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **CSDY 4970 - Study Tour In Creative Studies**

Credit will vary. Subject matter will vary within the department's field of study.

## **CAREER, TECHNOLOGY, WORKFORCE DEVELOPMENT (CTWD)**

### **Department of Adult Education & Safety Sciences**

#### **CTWD 2000 - Topics in CTWD**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **CTWD 3000 - Workshop in CTWD**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CTWD 3023 - Introduction to CTWD**

The Introduction to Career, Technical, and Workforce Development course focuses on the study of the development of career, technical, and workforce development with emphasis on historical development, definition, teaching/training basic skills, and promoting career development.

**CTWD 3990 - Advanced Topics in CTWD**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CTWD 4112 - Managing Student Organizations**

This course is designed to give the student an understanding of student organizations on the local, state, and national levels. Areas studied include: how to plan and supervise activities, guide participation, coordinate fundraising activities, promote community involvement, and prepare members in those organizations for leadership roles.

**CTWD 4203 - History & Philosophy of CTWD**

This course examines the history and philosophies associated with Career, Technical, and Workforce Development in the United States and Oklahoma, and the theorists that have helped develop the ideology.

**CTWD 4233 - Curriculum Planning and Design**

This course will provide students with the knowledge and skills needed to plan and create curriculum for relevant course content for comprehensive schools, technology centers, community colleges, and business and industry settings. It will focus on setting curriculum goals and objectives and developing a course description, syllabus, and instructional materials.

**CTWD 4253 - Management of Learning Spaces**

This course focuses on the principles, philosophies, and rationale of management, safety and organization of the learning spaces and activities in order to provide effective instruction for a positive learning experience.

**CTWD 4352 - Accommodating Special Needs Students**

This course will provide the participant with an explanation of the occupational instructor's roles and responsibilities in special education students' Individualized Education Programs (IEP). In addition, a discussion of the "how-to" for accommodating instruction, media, materials, equipment, work stations and facilities will be provided. Finally, securing work-site learning opportunities and job placement strategies will be discussed. Prerequisite(s): OCTE 4253 or CTWD 4253.

**CTWD 4403 - Workforce Education**

This course provides the student with an overview of workforce education and workforce development. Included will be areas such as what a productive workforce is, necessary skill sets for productive employees to meet the needs of the workplace, and the necessity of investments in life-long learning that will foster economic development.

**CTWD 4423 - Evaluation & Assessment**

This course is a study of tools used for the evaluation and assessment of a course, seminar, workshop or an educational or training program including but not limited to basic components such as testing, portfolios, and performance.

**CTWD 4622 - Intergration & Transition Opportunities**

This course is designed to assist occupational and technical educators integrate academics and implement education to employment activities into their programs. It explains pertinent legislation, outlines employers' entry-level worker goals, reviews education-to-work educational experiences at various grade levels, and offers strategies for integrating more academics into vocational programs. Prerequisite(s): OCTE 3023 or CTWD 3023.

**CTWD 4631 - Legal and Professional Issues**

This course provides an examination of legal and professional issues facing contemporary Career, Technical, and Workforce Development teachers/trainers.

**CTWD 4653 - Managing a BITE Program**

This course is designed to assist students with the management techniques to successfully facilitate a project-based Business and Information Technology Education (BITE) program. The course will provide the student with information on the importance of learning styles, business ethics and multi-cultural differences among learners. The course will discuss the following: the process for selecting equipment and materials, how to design a multi-use technology lab, the importance of incorporating School-to-Career (Work) activities, implementation of industry-validated duty/task requirements, the development of an individual professional development plan, the marketing tools needed to promote your program, how to implement the use of an advisory committee for program effectiveness and organize/manage the work flow, and implementation of industry credentialing in your program and for yourself. Prerequisite(s): Junior or senior standing.

**CTWD 4663 - Career Tech Finance**

This course presents concepts and bases for funding public career and technology educational programs. Participants in the course will analyze funding sources, processes, distributions, and accountabilities as well as identify accounting practices and requirements.

**CTWD 4842 - Capstone in CTWD**

This course provides senior students with a capstone experience to assist them with the transition into the teaching field in Career, Technical, and Workforce Development. Prerequisite(s): OCTE 4112 or CTWD 4112, OCTE 4203 or CTWD 4203, OCTE 4403 or CTWD 4403, OCTE 4233 or CTWD 4233, and OCTE 4853 or CTWD 4853. Senior standing.

**CTWD 4853 - Instructional Strategies**

This course will focus on the strategies, methods and techniques for effective instruction in teaching and training settings.

**CTWD 4892 - Directed Observation in CTWD**

The Directed Observation in Career, Technical, and Workforce Development course is designed to assist the new CTWD teacher/trainer hired directly from industry. It will provide opportunities to witness various instructional methodologies, classroom/lab management procedures, teacher/trainer-student interaction, disciplining strategies, and everyday teacher/trainer decision making. Prerequisite(s): Student must be teaching as a certified teacher.

**CTWD 4900 - Practicum in CTWD**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CTWD 4910 - Seminar in CTWD**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**CTWD 4920 - Workshop in CTWD**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**CTWD 4930 - Individual Study in CTWD**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CTWD 4950 - Internship in CTWD**

Credit will vary from 1 to 8 hours.

**CTWD 4960 - Institute in CTWD**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**CTWD 4970 - Study Tour in CTWD**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**DANCE (DANC)**  
**Department of Dance**

**DANC 1113 - Dance Appreciation**

This course is a survey of primitive, classical and contemporary dance forms and their interrelationship with cultural development and other art forms.

**DANC 1621 - Beginning Tap Dancing**

In this course the student will learn the fundamentals of tap dancing. The course covers terminology, basic steps, history, and style. This course does not count for P.E. activity credit. It is cross listed with MUS 2321. Credit may be earned in only one of these courses.

**DANC 1651 - Beginning Folk Dance**

This course is the study and practice of selected folk dances of several countries including basic skills and historical background of the dances taught. Does not count for P.E. activity credit.

**DANC 2000 - Topics Of Dance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Does not count for P.E. activity credit.

**DANC 2111 - Performing Dance**

This course requires the participation in a university performing dance group. It may be taken four (4) times for credit. Does not count for P.E. activity credit. Prerequisite(s): Written permission of instructor required.

**DANC 2332 - Movement Analysis in Dance**

This course will explore the theories and concepts of Laban Movement Analysis and Bartenieff Fundamentals. Laban Movement Analysis (LMA) is a theoretical framework and language for describing movement. Bartenieff Fundamentals (BF) is an organized system that focuses on movement integration in order to facilitate functional and efficient movement experiences. Prerequisite(s): Enrollment open to Dance, Theatre Arts and Music Theatre majors only.

**DANC 2431 - Beginning Ballet**

This course is the study and practice of the basic techniques of ballet performed at the barre, center, and across the floor. Does not count for P.E. activity credit.

**DANC 2441 - Beginning Jazz/Theatre Dance**

This course is the study and practice of the basic jazz technique, body isolation exercises, and turns used in modern jazz. It includes techniques of various jazz styles used in theatre dance. Does not count for P.E. activity credit.

**DANC 2451 - Beginning Modern Dance**

This course is the study of rhythmic body movement which may be used to express ideas, emotions and experiences in individual and group compositions. Does not count for P.E. activity credit.

**DANC 2481 - Intermediate Ballet**

This course is a study of ballet technique at the intermediate level with more emphasis on steps, beats, turns and combinations. This course may be taken two times for credit. Prerequisite(s): DANC 2431 or written permission of instructor.

**DANC 2491 - Intermediate Jazz/Theatre Dance**

This course is a continuation of the study of jazz technique. The course will focus on correct techniques, proper execution of turns, and dance composition and choreography. This course may be taken two times for credit. Prerequisite(s): DANC 2441 or written permission of instructor.

**DANC 2501 - Intermediate Modern Dance**

This course is a continuation of the study of modern dance as a fine art form with emphasis on intricate locomotor patterns, complex floor work and strengthening techniques. This course may be taken two times for credit. Prerequisite(s): DANC 2451 or written permission of instructor.

**DANC 2512 - Modern Dance I**

This course is the study of modern dance technique with an emphasis on movement efficiency, proper alignment, and the development of coordination, strength, flexibility and skill acquisition. This course may be taken three times for credit. Prerequisite(s): Enrollment is open to dance, Theatre Arts, and Music Theatre majors only.

**DANC 2522 - Modern Dance II**

This course is the second stage of modern dance technique with a stronger emphasis on proper movement fundamentals and technical skills with further exploration of movement styles. This course may be taken three times for credit. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 2592 - Creative Dance For Children**

This course is the study of methods, techniques, and materials used in teaching creative dance to children from ages 4 to 13. Does not count for P.E. activity credit.

**DANC 2621 - Intermediate Tap Dancing**

This course is the continuation of beginning tap dancing. It will include more advanced steps, transition steps, ensemble, and solo work. This course is cross listed with MUS 2331. Credit may be earned in only one of these courses. Does not count for P.E. activity credit. Prerequisite(s): DANC 1621.

**DANC 2642 - Intermediate Dance II**

This course will focus on dance techniques at the intermediate level with an emphasis on technical studies that will prepare students for the advanced dance coursework. Course topics will be selected from modern, ballet, or jazz. This course may be taken 3 times for credit. Prerequisite(s): Instructor permission.

**DANC 2712 - Jazz I**

This course is the study of jazz technique with an emphasis on correct technique, body placement, and the proper execution of jazz steps and combinations. This course may be taken three times for credit. This course replaces DANC 2711. Prerequisite(s): Enrollment is open to dance, Theatre Arts, and Music Theatre majors only.

**DANC 2722 - Jazz II**

This course is the second level of jazz techniques with a stronger emphasis on proper movement fundamentals with further exploration of intricate jazz steps, styles, and technical proficiency. It may be taken 3 times for credit. This course replaces DANC 2721. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 2892 - Dance Improvisation**

This course will focus on movement exploration through experimentation with the basic elements of dance. This course replaces DANC 2891. Does not count for P.E. activity credit. Prerequisite(s): Enrollment open to dance majors only or with instructor permission.

**DANC 2912 - Ballet I**

This course is the study of ballet technique with an emphasis on correct technique, body placement, and the proper execution of basic ballet steps and combinations. This course may be taken three times for credit. Prerequisite(s): Enrollment is open to dance, Theatre Arts, and Music Theatre majors only.

**DANC 2922 - Ballet II**

This course is the second level of ballet technique with a stronger emphasis on proper movement fundamentals and further exploration of intricate ballet steps and technical proficiency. This course may be taken three times for credit. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 3000 - Workshop In Dance**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**DANC 3101 - Rhythm Analysis in Dance Forms**

This course is a study of practices for rhythm and musical forms as they relate to dance in various cultures.

**DANC 3432 - Dance Composition**

This course includes specific compositional studies emphasizing principles of basic design and the elements of space, time, energy, and motion. This course replaces DANC 2991. Prerequisite(s): DANC 2892.

**DANC 3442 - History & Phil of Dance I**

This course is a study of the history and philosophy of pre-twentieth century dance forms and how they influenced the development of contemporary concert and cultural dance. Prerequisite(s): Junior level standing.

**DANC 3532 - Modern Dance III**

This course is the third level of modern dance technique with an emphasis on endurance, skill acquisition, and technical performance. It may be taken three (3) times for credit. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 3572 - Materials And Methods In Dance**

This course is the study of methods, techniques, and materials used in teaching modern dance, ballet, and jazz. Prerequisite(s): Enrollment open to Dance majors only

**DANC 3731 - Advanced Tap Dancing**

This course is the study of tap dancing at an advanced level with emphasis on technique, body placement, intricate rhythms and advanced combinations. Prerequisite(s): DANC 2621 or written permission of instructor.

**DANC 3932 - Ballet III**

This course is the third level of ballet technique with an emphasis on advanced technical skills, terminology, and performance skills. It may be taken three (3) times for credit. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 3990 - Advanced Topics in Dance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**DANC 4111 - Performing Dance**

This course requires the participation in a university performing dance group. It may be taken four (4) times for credit. This course replaces DANC 2111. Prerequisite(s): Written permission required.

**DANC 4433 - Dance Composition II**

This course continues the study of dance composition with a focus on the skills and tools necessary to create a complete choreographic work. Prerequisite(s): DANC 3432.

**DANC 4442 - History & Phil of Dance II**

This course is a study of the history and philosophy of post twentieth century dance forms and how they influenced the development of contemporary concert and cultural dance. Prerequisite(s): DANC 3442 and junior or senior standing.

**DANC 4542 - Modern Dance IV**

This course is the fourth level of modern dance technique incorporating proper stretching, strengthening and rehabilitating warm-ups, conditioning, and dance training theory for professional occupations in dance. It may be taken three (3) times for credit. Prerequisite(s): Enrollment open to dance majors only.

**DANC 4712 - Jazz III**

This course is the third level of jazz technique with an emphasis on advanced technical skills, terminology, and performance skills. This course may be taken three times for credit. This course replaces DANC 4711. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 4722 - Jazz IV**

This course is the study of jazz technique at the fourth level with more emphasis on performance skills and self mastery of advanced jazz techniques. It may be taken three (3) times for credit. This course replaces DANC 4721. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 4893 - Senior Project in Dance**

This course is the capstone experience in dance and will provide students with an opportunity to develop a culminating senior project which will allow students to explore unique and interdisciplinary projects. A final juried presentation of the work along with the research will be presented to the faculty and students. Prerequisite(s): Instructor permission. Senior standing. Enrollment is open to dance majors only.

**DANC 4900 - Practicum In Dance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**DANC 4910 - Seminar In Dance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**DANC 4920 - Workshop In Dance**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**DANC 4930 - Individual Study In Dance**

Credit will vary from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans; conferences, oral and written reports. Prerequisite(s): Written permission of department chair.

**DANC 4942 - Ballet IV**

This course is the study of ballet technique at the fourth level with more emphasis on performance skills and self mastery of advanced ballet technique. This course may be taken three (3) times for credit. Prerequisite(s): Enrollment is open to dance majors only.

**DANC 4950 - Internship In Dance**

Credit will vary from 1 to 8 hours.

**DANC 4960 - Institute In Dance**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**DANC 4970 - Study Tour In Dance**

Credit will vary. Subject matter will vary within the department's field of study.

**DESIGN (DES)****Department of Design****DES 1013 - Interior Design for Non-Majors**

This course is an overview of interior design: terminology, the process of design, space planning, materials, and the presentation of effective design solutions for a variety of interiors.

**DES 1023 - Design Foundations I**

This course explores the technical aspects of the elements and principles of 2-dimensional composition and rendering. This course will develop the observational and rendering skills of the student through explorations of contour, mass, texture, shape, color, perspective, and composition. This is part of a required foundation sequence that will prepare students for DES 1043. Prerequisite(s): Enrollment is open to freshmen and sophomore declared design majors and minors only. Concurrent enrollment with DES 1033 is required. For interior design majors concurrent enrollment with DES 1121 is also required.

**DES 1033 - Design Foundations II**

This course, designed to work in tandem with Design Foundations I, will focus on the critical thinking and creative problem-solving strategies utilized in 2-dimensional design. Students will use the elements and principles of design to make meaning by creating mind maps, symbols, icons, and expressive typography. Presentation and craft will also be stressed. This is part of a required foundation sequence that will prepare students for DES 1053. Prerequisite(s): Enrollment is open to freshmen and sophomore declared design majors and minors only. Concurrent enrollment with DES 1023 is required. For interior design majors concurrent enrollment with DES 1121 is also required.

**DES 1043 - Design Foundations III**

This course is designed to emphasize the technical aspects of scale, volume, materials, color, and the illusion of 3-dimensional space in a 2-dimensional drawing. Students will complete projects that integrate all of these aspects in both the drawn and built environment. This course will further develop the observation and rendering skills of the student with an emphasis on craftsmanship. Prerequisite(s): DES 1023 and 1033. Enrollment open to design majors and minors only. Concurrent enrollment with DES 1053 is required. For interior design majors concurrent enrollment with DES 1412 is also required.

**DES 1053 - Design Foundations IV**

This course, designed to work in tandem with Design Foundations III, will continue to hone critical thinking, conceptual development, and craft in the 3-dimensional environment. Students will explore creativity within constraint through projects that require invention, innovative use of materials and teamwork. This course will culminate in a Freshman Portfolio Review. Prerequisite(s): DES 1023 and 1033. Enrollment open to design majors and minors only. Concurrent enrollment in DES 1043 is required. For interior design majors concurrent enrollment with DES 1412 is required.

**DES 1063 - Innovation and Inquiry**

This course will emphasize critical thinking and creative problem solving skills. Students will practice critical, creative and innovative inquiry. Students will experiment with a variety of problem solving methodologies to include: inductive and deductive reasoning, divergent thinking, systems thinking, lateral thinking and design thinking. This course will foster a culture of learning and discovery that will benefit students of all disciplines.

**DES 1121 - Introduction to Interior Design**

This lecture course provides an overview of the discipline and introduces students to fundamentals of drafting, space planning, concepts, principles and processes of Interior Design thereby enriching their experience of the interior environment. Prerequisite(s): Enrollment open to Interior Design majors only. Concurrent enrollment in DES 1023 and DES 1033 is required.

**DES 1213 - History of Graphic Design I**

This course is a survey of the history of art and graphic design and their shared histories from prehistoric to Victorian (1900's) including art and design movements, styles, artists and designers.

**DES 1412 - Fundamentals of Code Compliance**

This course provides students with an introduction to building codes, regulations, ADA codes, life safety codes and assessments of access and human interaction with the built environment. Prerequisite(s): DES 1023, DES 1033, and DES 1121 with a minimum grade of "C". Enrollment open to Interior Design majors only. Concurrent enrollment in DES 1043 and DES 1053 is required.

**DES 1533 - Design in Global Culture**

This course discusses the phenomenon of globalization and its impact on worldwide visual communication. Students are introduced to cross-cultural design, challenges, case studies, theories and resources. In this class students are required to contribute to class discussions and conduct

research on topics such as global branding, cultural stereotyping, cultural sensitivity, cultural identities and other topics of global concern and relevance. This course is open to students from all majors.

**DES 2000 - Topics In Design**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**DES 2053 - Illustration for Non-Majors**

Students will investigate topics and questions dealing with illustration as visual communication and will research methods of rendering using a variety of media at the foundational level. In this class, students are required to contribute, interpret, investigate, create, and submit illustrations on a variety of illustrative projects and topics.

**DES 2102 - Graphic Design For Non-majors**

This course is an overview of graphic design; terminology, the process of design, and communicating with text and images. Prerequisite(s): This course is for non-graphic design majors only.

**DES 2153 - Illustration I**

This class examines the fundamental elements of design in illustration, materials and techniques. Students work in a variety of black and white media. Students are encouraged to focus on technical and compositional elements, while working through the design process to their final creative solution. Prerequisite(s): DES 1023, 1033, 1043 and 1053 with sophomore standing or above

**DES 2163 - Typography**

This studio course provides an introduction to the fundamentals of type, typographic design, and typographic communication. Course projects address font selection, layout formats, grid systems and letterform manipulation. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3133 (or concurrent enrollment) with a minimum grade of "C". Sophomore standing or above. Enrollment open to Graphic Design majors only.

**DES 2213 - History of Graphic Design II**

This course is a survey of the development of the history of art and graphic design and their shared histories from Victorian (1900's) to WWII (1945) including art and design movements, styles, artists and designers. Prerequisite(s): DES 1213.

**DES 2223 - History of Design**

This course will be a survey of design history, including the design of manmade objects and visual communication, addressing the cultural environments in which they are created. Students will study the impact of cultural implications on design including social, economic and technical influences. Finally this course will also discuss the impact of design on culture. Prerequisite(s): Sophomore standing or above.

**DES 2323 - Interior Design Studio I**

This studio course introduces basic hand drafting techniques, space planning, and the implementation of codes in both residential and commercial applications. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, and 1412 all with a minimum grade of "C". Concurrent enrollment in DES 2333 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

**DES 2333 - Visualization I**

This studio course is designed to work in tandem with Interior Design Studio I and will focus on presentation techniques such as rendering, model building, perspectives, color boards, as well as written and oral communication. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, and 1412 all with a minimum grade of "C". Concurrent enrollment in DES 2323 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

**DES 2343 - Materials and Textiles**

This studio course will coordinate the study of surface materials and textiles with implementation in a variety of applications. Topics of interest



will include performance characteristics, fire resistant qualities, acoustical properties, and fabrication and installation of materials and textiles for structural finishes and furnishings. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, and 1412 all with a minimum grade of "C". Concurrent enrollment in DES 2323 and DES 2333 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

### **DES 2623 - Interior Design Studio II**

This studio course will provide an introduction to lighting and its uses in commercial and residential applications. Topics to be addressed include lighting theory, emotive capabilities, life safety codes, lighting calculations, development of reflected ceiling plans, systems integration and electrical plans. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, 1412, 2323, 2333, and 2343 all with a minimum grade of "C". Concurrent enrollment in DES 2633 is required. Enrollment is open to Interior Design majors only with sophomore standing or above.

### **DES 2633 - Visualization II**

This studio course, taken concurrently with Interior Design Studio II, will provide an introduction to computer aided design and drafting techniques used in interior design planning and communication. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, 1412, 2323, 2333, and 2343 all with a minimum grade of "C". Concurrent enrollment in DES 2623 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

### **DES 2713 - Furniture Design**

This studio course will apply the concepts, functions, materials, and construction techniques of furniture design. This course covers the design of environmental elements as well as craftsmanship, the application of materials to ideas, and the development of effective prototypes. Lectures and small-scale projects prepare students to solve furniture design problems using drafting and modeling techniques. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, 1412, 2323, 2333, and 2343 all with a minimum grade of "C". Enrollment open to Interior Design majors only with sophomore standing or above.

### **DES 3000 - Workshop In Design**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **DES 3031 - Digital Illustration**

This course is a study of digital illustration techniques using the Adobe Creative Suite. Students will learn how to create and modify imagery through standard and customizable tools within the software. Students will research computer illustrators and examine the variety of styles that are now possible with rendering software technology. Prerequisite(s): DES 1023, 1033, 1043, 1053 and (2153 or concurrent enrollment in 2153) with a minimum grade of "C". Enrollment open to Graphic Design majors and minors only with sophomore standing or above.

### **DES 3043 - History of Interior Design I**

This course is a survey of the development of the history of art and interior design and their shared histories from antiquity through the Renaissance including art and design movements, styles, furniture, artists, and designers.

### **DES 3133 - Computer Graphics I**

In this course students will learn the basics of industry standard software tools to practice page layout, design, typography, illustration, photo manipulation and production for printed media. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2163 (or concurrent enrollment) with a minimum grade of "C".

### **DES 3143 - History of Interior Design II**

This course is a survey of the development of the history of art and interior design and their shared histories from the Renaissance to 1900

including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 3043 with a minimum grade of "C".

### **DES 3173 - Graphic Design I**

This studio course is an in-depth introduction to graphic design with an emphasis on the development of meaningful concepts and creative problem solving. Students will explore the possibilities of visual communication through the creation of symbols, expressive typography, magazine layouts, and information graphics. This course is structured for graphic design majors. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3133, and (2163 or concurrent enrollment in 2163) with sophomore standing. Enrollment open to graphic design or interior design majors and minors only.

### **DES 3213 - History of Graphic Design III**

This course is a survey of the development of the history of art and graphic design and their shared histories from 1945 to present day including art and design movements, styles, artists and designers. Prerequisite(s): DES 1213 and 2213.

### **DES 3263 - Character Design**

Character Design examines the influences behind a character's form, function and motivation. This course considers how the application of universal archetypes may be used to create more meaningful and powerful characters in comics and graphic novels. An examination of comic, fantasy and surreal art genres will be conducted in order that anatomical rendering styles may be analyzed and applied for illustrated character development. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153 and (3853 or concurrent enrollment in 3853) with a minimum grade of "C" and sophomore standing or above. Enrollment open to Graphic Design majors and minors only.

### **DES 3273 - Interior Design Studio III**

In this studio course, students will develop advanced projects with a variety of residential applications. Prerequisite(s): DES 2623, 2633, and 2713 with a minimum grade of "C". Concurrent enrollment in DES 3283 is required. Enrollment open to Interior Design majors with junior or senior standing. Instructor permission required.

### **DES 3283 - Visualization III**

This studio course, taken concurrently with Interior Design Studio III, will explore 3D modeling techniques. Prerequisite(s): DES 2623, 2633, and 2713 with a minimum grade of "C". Concurrent enrollment in DES 3273 is required. Enrollment open to Interior Design majors only with junior or senior standing. Instructor permission required.

### **DES 3293 - Graphic Design II**

This is an advanced portfolio development studio course with emphasis on design projects in print design, creating finished comps, and delivering professional oral presentations. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 2163, 3133 and 3173 with sophomore standing or above. Enrollment open to Graphic Design majors only. Departmental permission required.

### **DES 3333 - Sustainable Design**

In this studio course, students will explore the environmental, economic, and social aspects of sustainability through application in a variety of residential and commercial projects. These aspects of sustainability will include construction materials and techniques as well as global trends in sustainable design. Prerequisite(s): DES 3273, 3283 and 3043 with a minimum grade of "C". Enrollment open to Interior Design majors with junior or senior standing.

### **DES 3343 - Package Design**

This is an advanced portfolio development studio course with emphasis on design projects in package design, creating finished comps, and delivering professional oral presentations. Prerequisite(s): DES 3293 (or concurrent enrollment in 3293) with a minimum grade of "C". Enrollment is open to Graphic Design majors only. Sophomore standing or above.

**DES 3433 - Interior Design Studio IV**

In this studio course, students will develop advanced projects with a variety of commercial applications. Prerequisite(s): DES 3273, 3283 and 3043 with a minimum grade of "C". Enrollment open to Interior Design majors only with junior or senior standing.

**DES 3443 - Advertising Design**

This is an advanced portfolio development studio course with emphasis on design projects in advertising design, creating finished comps, and delivering professional oral presentations. Prerequisite(s): DES 3293, or concurrent enrollment in 3293 with a minimum grade of "C".

**DES 3451 - Design in Oklahoma**

In this course, students will investigate the culture of design in Oklahoma in both historical and contemporary contexts.

**DES 3511 - Introduction to Letterpress**

This course introduces students to Letterpress technology, processes and terminology through tours and hands-on experience. Prerequisite(s): DES 3293 or concurrent enrollment. Enrollment open to Graphic Design students with sophomore standing or above.

**DES 3523 - Print Media & Marketing for FAD**

This course is an introduction to the design and development of printed media and marketing materials. Students will use industry-standard graphic design software to create effective promotional and marketing pieces for use in the management of a fine arts or design practice. Prerequisite(s): Sophomore standing or above. Enrollment NOT open to Graphic Design majors.

**DES 3533 - Digital Media & Marketing for FAD**

This course is an introduction to the design and development of digital media and marketing materials. Students will use industry-standard graphic design software to create effective promotional and marketing pieces for use in the management of a fine arts or design practice. Prerequisite(s): Sophomore standing or above. Enrollment NOT open to Graphic Design majors.

**DES 3541 - Interior Design through Literature**

In this course, students will explore the role of place and the built environment evidenced in a variety of literary works both classic and contemporary.

**DES 3551 - Interior Design through Film**

This course will explore the role of place and the built environment as viewed in film.

**DES 3623 - Historic Preservation**

This studio course will introduce students to concepts and case studies in historic preservation and implications for the Interior Design profession. Prerequisite(s): Sophomore standing or above.

**DES 3633 - Portfolio Development**

This course is an opportunity for design majors to improve their portfolios by correcting existing work and adding new work for the purpose of a review. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 2163, 3133 and 3173 with junior standing or above. Enrollment open to Graphic Design majors only.

**DES 3643 - History & Criticism of Design**

Students will explore how theories on design and aesthetics have been shaped by the past, how they are being shaped now, and what influences will shape it in the future as well as how design influences human activity. Through the rigorous application of research and analysis, students will study design in the broadest context examining the environmental, social, cultural, economic, political, technical and aesthetic influences on the design process as well as on the "finished product" itself. Prerequisite(s): ENG 1113.

**DES 3713 - Competition Studio**

In this studio course students will develop designs for entry into competitions. Prerequisite(s): Enrollment open to Design majors only with junior or senior standing.

**DES 3721 - Bookmaking & Prototyping**

This workshop style course will introduce students to basic bookmaking, folding and prototyping techniques through hands-on exercises and activities. No prior design knowledge or courses are required. Prerequisite(s): Sophomore standing or above.

**DES 3813 - Interior Design Research**

This course offers instruction in and discussion of design programming and design methodology. It consists of research and preparation of a design program for the Interior Design Thesis project to be implemented the following semester. Prerequisite(s): DES 3273, 3283 and 3043 with a minimum grade of "C" and junior or senior standing. Enrollment open to Interior Design majors only.

**DES 3853 - Illustration II**

This studio course builds upon skills learned in Illustration I and the Design Foundations curriculum. Illustration II investigates the use of a variety of color media, color theory and how it can influence the intended message of an image. Traditional and digital rendering methods will be used in this course. Prerequisite(s): DES 1023, 1033, 1043, 1053 and 2153 all with a minimum grade of "C" and sophomore standing or above. Enrollment open to graphic design majors and minors only.

**DES 3980 - Design Apprenticeship**

Credit will vary from 1 to 8 hours. Prerequisite(s): DES 3293 or DES 3273. Enrollment open to Design majors only with junior standing.

**DES 3990 - Advanced Topics In Design**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**DES 4143 - History of Interior Design III**

This course is a survey of the development of the history of art and interior design and their shared histories from 1900 to the present including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 3043 and 3143 with a minimum grade of "C". Junior or senior standing.

**DES 4353 - Illustration III**

This course will discuss and examine current practices necessary for students to be competitive professionals in the marketplace. It emphasizes both traditional and digital media rendering techniques as students hone their skills and broaden the scope of their illustrated portfolio. Students are required to present a body of work demonstrating their technical competency and creative problem solving ability in a final student exhibition. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 3853 and (DES 3263 or DES 4363 or DES 4373) with a minimum grade of "C". Enrollment open to Design-Graphic Design majors and Illustration minors only.

**DES 4363 - Sequential Illustration**

Sequential Illustration builds on the foundational theories and practices discussed in Character Design. This course emphasizes concepts pertaining to the illustrated series and the graphic novel. It investigates the elements of advanced and contemporary pictorial storytelling using traditional, digital and hybrid illustration techniques. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 3853 and (3263 or concurrent enrollment in 3263) with a minimum grade of "C". Enrollment open to Design-Graphic Design majors and Illustration minors only.

**DES 4373 - Environmental Illustration**

This course investigates topics and questions dealing with navigation, space management and storytelling through environmental illustration. Perspective, spatial interaction and visual communication without the

use of typography are the types of illustrated/design problems will be addressed. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153 and 3853 with a minimum grade of "C" and sophomore standing. Enrollment open to Graphic Design majors and Illustration minors only.

### **DES 4423 - Information Graphics**

This studio course is designed to provide an in-depth study of the development, strategy, creation and execution of information design through a variety of media. Students will create projects that analyze, organize and communicate complex information clearly and easily. Prerequisite(s): DES 3293 or concurrent enrollment in 3293 with a minimum grade of "C". Enrollment open to Graphic Design majors only. Sophomore standing or above.

### **DES 4513 - Computer Graphics II**

In this course students will learn the basics of industry standard software tools to practice page layout, design, typography, illustration, photo manipulation and production for online and digital media. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2163 and 3133 with a minimum grade of "C".

### **DES 4523 - Computer Graphics III**

This course focuses on the design and production of multi-page digital and printed publications. Students will master page layout software and complete advanced design projects which require skillful manipulation of text and images. Prerequisite(s): DES 2163, 3133, 3173, 3293 and 4513 with a minimum grade of "C". Junior standing or above. Enrollment open to Graphic Design majors only.

### **DES 4571 - History of Illustration**

This course is a survey of the development of the history of illustration from the Victorian era to present. This course covers the development of illustration from commercial to editorial standpoint in addition to the discussion of prominent illustrators and illustration styles past and present.

### **DES 4581 - History of Typography**

This course is a survey of the development of the history of typography from Gutenberg to the modern era (digital fonts). This course covers the instruments, materials and machines used in the development of type over the ages and discusses prominent typefaces as well as typographers.

### **DES 4633 - Computer Graphics IV**

This course focuses on the development of advanced skills and mastery of industry standard software for the production of digital media products and outline publications. Students will work towards the development of an online portfolio. Prerequisite(s): DES 3133, 3293, 4513 and 4523 with senior standing. Enrollment open to Graphic Design majors only.

### **DES 4652 - Prepress Production**

This studio course will enable the student to develop expertise in the preparation of camera-ready art for publication. Traditional methods of mechanical paste-up as well as current trends in digital pre-press will be covered. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3173, 3133, 3293, 4513, and (4523 or concurrent enrollment in 4523) with a minimum grade of "C". Enrollment open to Graphic Design majors with junior standing or above.

### **DES 4713 - Design Entrepreneurship**

Design Entrepreneurship presents students with tools and resources to take an idea from thought to product or service. Prerequisite(s): Sophomore standing or above.

### **DES 4721 - Advanced Bookmaking**

This advanced workshop style course will introduce students to unique bookmaking, folding and prototyping techniques through hands-on experimentation with adhesive bookbinding techniques. Students will learn proper use of tools and equipment, and will create a well crafted hard bound book. Prerequisite(s): DES 3721 with sophomore standing or above.

### **DES 4733 - Advanced Portfolio Development**

This course is an opportunity for design majors to improve their portfolios by correcting existing work and adding new work prior to graduation. Prerequisite(s): DES 3293 and senior standing. Enrollment open to Graphic Design majors only.

### **DES 4743 - Advanced Letterpress**

This studio course is an in-depth exploration of graphic design with an emphasis on the use and combination of printing techniques and technologies to create unique and inventive portfolio pieces. Prerequisite(s): DES 3511 and (DES 3293 or concurrent enrollment in DES 3293). Enrollment open to Graphic Design majors with sophomore standing or above.

### **DES 4753 - InkTank**

This course is a working in-house design studio managed and staffed by advanced graphic design majors. The purpose of InkTank is twofold: to assess needs in the department, and to fulfill those needs through the design and implementation of fundraising materials and events. InkTank's additional mission is to provide high quality design for pro-bono clients. This course may be taken two times for credit. Prerequisite(s): DES 1023, 1033, 1043, 1053 and 3293 (or concurrent enrollment) with a minimum grade of "C". Junior or senior standing. Enrollment open to Graphic Design majors only.

### **DES 4763 - ClockTower Studio**

This course is a working graphic design studio managed and staffed by advanced graphic design majors to work with campus and community clients. This course replaces ART 4763. May be repeated twice for credit. Prerequisite(s): Permission of instructor required. Enrollment open to graphic design majors only.

### **DES 4773 - Interior Design Thesis Project**

This course is a comprehensive interior design project developed from independent research conducted in the Interior Design Research course. The final project will consist of a set of contract documents that include drawings, schedules and specifications. Prerequisite(s): DES 3813 and DES 3433 with a minimum grade of "C" and senior standing. Enrollment is open to Interior Design majors only.

### **DES 4783 - Charles Evans Studio**

This capstone course is a working design studio managed and staffed by interior design majors who work with campus and community clients, vendors, and a team of designers. Students make formal presentations of concept proposals and solutions to the client for approval. This course may be taken two times for credit. Prerequisite(s): Junior standing or above and permission of instructor required.

### **DES 4833 - Interior Design Portfolio Development**

This course is an opportunity for interior design majors to improve their body of work by correcting existing work and adding new work as necessary to develop a portfolio appropriate for demonstrating skills to potential employers. Prerequisite(s): DES 4773 with a minimum grade of "C" and senior standing. Concurrent enrollment in DES 4873 is required. Enrollment open to Interior Design majors only.

### **DES 4863 - Graphic Design Practice**

This course addresses business communication, preparing and designing a resume, portfolio presentation, interviewing, ethics in the workplace, and self-employment procedures and promotion. Students present their portfolio of work for professional evaluation and curate their capstone Senior Show. Prerequisite(s): DES 4513, 3293, 3173, 3133, 2163, 2153, with a minimum grade of "C" and graduating senior standing. Enrollment open to Graphic Design majors only.

### **DES 4873 - Interior Design Practice**

This course addresses information pertinent to emerging interior design professionals including fundamentals of the interior design profession, international business practices, project management and client relation

skills, ethics in the workplace, and self-employment procedures and promotion. Students also prepare for and participate in a senior show of their work. Prerequisite(s): 4773 with a minimum grade of "C". Concurrent enrollment in DES 4833 is required. Enrollment open to Interior Design majors only.

#### **DES 4900 - Practicum In Design**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **DES 4910 - Seminar In Design**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **DES 4920 - Workshop In Design**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **DES 4930 - Individual Study In Design**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **DES 4940 - Field Study In Design**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

#### **DES 4950 - Internship In Design**

Credit will vary from 1 to 8 hours. In this course students gain practical experience in the design field in an area of professional practice related to their declared discipline.

#### **DES 4960 - Institute In Design**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **DES 4970 - Study Tour In Design**

Credit will vary. Subject matter will vary within the department's field of study.

### **EARLY CHILDHOOD EDUCATION (ECED) Department of Curriculum and Instruction**

#### **ECED 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics of an early childhood educational nature, each taught by a member of the early childhood educational staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

#### **ECED 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **ECED 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ECED 4073 - Language Development & Emerging Literature**

A study of the theory, materials, methods and instructional techniques applicable to language development and emergent literacy experiences during the early childhood years - birth through age eight. This course examines developmentally appropriate, integrated and interdisciplinary language arts approaches to literacy development encompassing writing, reading, and oral language of young children in the home and school environment.

#### **ECED 4112 - Health, Safety & Nutrition In Early Childhood**

This course examines three important issues related to young children's learning: health, safety, and nutrition. An important component in this course is working with the families of young children to promote healthy and safe learning environments at home and at school. A field experience at a public school is included in the course. Prerequisite(s): Junior or senior standing. Enrollment is open to Early Childhood Education and Family Life Education majors only.

#### **ECED 4133 - Science & Social Studies In Early Childhood**

This course focuses on the application of cognitive development and the constructivist theory in the selection of appropriate methods, materials, and learning experiences for preschool and primary-age children in science and social studies. Prerequisite(s): Admission to Teacher Education.

#### **ECED 4222 - Leadership in Diverse Communities**

This course is a study of the needs of culturally diverse children and the role that constructivist principles of leadership provide in creating ethical, social communities. This course is designed to identify historical and current factors of influence that characterize the social environments of children, the role of constructivist leadership, the role of democratic ideals, and the establishment of ethical environments essential to maximizing the individual potential of all children.

#### **ECED 4313 - Creativity & the Arts in ECED**

This course provides an introduction to the diverse range and variability of creative development including creative thinking, creative processes, creative abilities, the aesthetic and performing arts, music, and movement for children from birth to 8 years of age, and educators of those young children.

#### **ECED 4422 - Parent Community Relations**

This course is designed to acquaint the student with educational resources available to educators in the community and to enhance their effectiveness in relations with both parents and the community. Prerequisite(s): Admission to Teacher Education or graduate standing.

#### **ECED 4443 - Theory/Practice In Early Childhood Education**

The maturationist, behaviorist, and constructivist theories will be presented. Content will include the guidelines for developmentally appropriate practice and effective teaching in early childhood settings. Emphasis will be placed on the implementation of constructivist theory into practice including the role of play and developmental approaches to curriculum development. This course is to be taken concurrently with ECED 4901. Prerequisite(s): Admission to Teacher Education.

#### **ECED 4900 - Practicum**

The practicum requires clinical field-based teaching experience which allows students to apply and demonstrate their knowledge of current early childhood education theory, as well as instructional and classroom management strategies which have been developed during preceding course work. This course is to be taken the semester before student teaching/internship. This course is to be taken concurrently with ECED 4443. Prerequisite(s): Written permission required. Admission to Teacher Education.

#### **ECED 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ECED 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **ECED 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ECED 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**ECED 4950 - Internship**

Credit will vary from 1 to 8 hours.

**ECED 4960 - Institute**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ECED 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**ECONOMICS (ECON)  
Department of Economics**

**ECON 1103 - Introduction To Economics**

This course is a study of the operation of the United States economy with emphasis on relevant problems as well as traditional problems of employment and efficient allocation of resources. This course is designed for non-majors and non-minors in economics and will not fulfill prerequisites for upper division courses in economics. This course will not substitute for ECON 2103 or 2203. Credit toward graduation will not be applied for ECON 1103 and ECON 2103 or ECON 2203 if ECON 1103 is taken after a student has received credit for ECON 2103 or ECON 2203.

**ECON 1203 - Economics Of Social Issues**

This course applies fundamental economic principles to the understanding of domestic and global issues such as poverty, treatment of minorities, immigration, agriculture, health, crime, labor markets, competition and monopoly, international trade and finance, and other important topics.

**ECON 2000 - Topics In Economics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ECON 2103 - Principles Of Microeconomics**

This course examines economic principles with major emphasis on the efficient allocation of resources and microeconomic theory. Student will examine how market actors ultimately dictate what is made, how much is made, and who receives the goods and services provided. The course will also evaluate how government intervenes in markets and the impacts of those interventions. Students will also examine how firms maximize profits across various market structures.

**ECON 2173 - Principles Of Business Statistics**

Introductory statistical methods are presented employing statistical computer software and applications to typical business and economic problems. Topics include: descriptive statistics, probability concepts, probability distribution, estimation, hypothesis testing, and introduction to regression analysis, and correlation. Prerequisite(s): MATH 1453 or MATH 1513 or MATH 1533 or MATH 2053 or concurrent enrollment in MATH 2053. Credit cannot be earned for both ECON 2173 and STAT 2113.

**ECON 2203 - Principles Of Macroeconomics**

This course examines the fundamental principles of macroeconomics. The course generally involves the production, consumption, and distribution of wealth in a market economy with major emphasis in macroeconomic theory.

**ECON 2303 - Statistics for Health Care**

This is an introductory statistics class for pre-nursing students and other healthcare professionals. It emphasizes statistical concepts used in later courses in evidence-based practice or in research, such as "Nursing Research/Evidence Based Practice," and in quality improvement studies. The course is much more conceptual than computational in emphasis. Prerequisite(s): Any 1000 level math class.

**ECON 3000 - Workshop In Economics**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ECON 3023 - Game Theory**

This course emphasizes the application of game theory to economic problems. A wide variety of game scenarios are utilized to solve for equilibrium conditions. Prerequisite(s): ECON 2103.

**ECON 3103 - Money And Banking**

A study of the role of financial institutions in the U.S. economy and their overall impact on business strategies emphasizing central banking, legislation, regulation and the availability of funds for economic growth and development. Credit cannot be earned for both FIN 4413 and ECON 3103. Prerequisite(s): ECON 2103, 2203.

**ECON 3123 - Intermediate Business Statistics**

This course, a continuation of ECON 2173, employs statistical computer software to present more advanced statistical methods applied to business and economic problems. Topics include: applied econometric/regression and correlation analysis, two-sample tests with numerical data, analysis of variance (one-way, two-way and multiple comparison), Chi-square statistics, and non-parametric statistics. Prerequisite(s): ECON 2173.

**ECON 3203 - Intermediate Microeconomics**

Topics of this course include: analysis of behavior of consumers, firms, resource owners, and public entities; theoretical models of industrial organization and performance; identification and analysis of potential market failures and government interventions; development of efficiency and equity concepts. Prerequisite(s): ECON 2103.

**ECON 3313 - Introduction to Energy Economics**

This course is an introduction to the energy industry from an economic perspective. Specifically, the course will emphasize applying microeconomic concepts to the unique challenges of the energy industry. Students will learn the basic design of several energy related industries including: coal, natural gas, oil, and electricity. Students will also cover the basics of derivatives in the energy industry. Prerequisite(s): ECON 2103.

**ECON 3353 - Principles Of Public Finance**

The nature, cause, scope, and magnitude of public expenditures; nature and sources of public revenues, distribution of tax burdens, public debt, and fiscal theory and policy. Prerequisite(s): ECON 2103, 2203.

**ECON 3383 - Workforce Economics**

This course is a study of contemporary issues impacting the workforce and work environment in the 21st Century, including changing demographics, increased diversity, advancements in technology, educational needs and other related dynamics. Prerequisite(s): ECON 2103 and 2203.

**ECON 3403 - Regulation and Antitrust**

This course examines how government addresses market failures through the application of economic regulation and the antitrust laws. Prerequisite(s): ECON 2103.

**ECON 3423 - Sports Economics**

This course is a study in sports from an economic perspective. Economic fields covered in this course consist of industrial organization, public finance, and labor economics. Topics include: ticket pricing for sports events, impact of sports teams on cities, professional sports labor markets, and the business of college athletics. Prerequisite(s): ECON 2103 and 2173.

**ECON 3513 - Oil and Natural Gas Economics**

This course will apply economic concepts specifically to the complex oil and natural gas industries. Students will examine the unique challenges faced by upstream, midstream, and downstream oil and gas companies.

The course will also examine regulatory issues arising from the FERC and local regulatory commissions. Derivative securities will be examined as they pertain to hedging in the industry. Prerequisite(s): ECON 2103 and 3313.

### **ECON 3533 - Electricity Economics**

This course will apply economics concepts specifically to the complex electric power industry. Students will learn the design of the industry including generation, transmission, and distribution. Emphasis will be placed on regulatory issues arising from the FERC and Regional Transmission Organizations (RTOs). Students will also be examining pricing, output, and capacity decisions facing firms in the electric power industry. Prerequisite(s): ECON 2103 and 3313.

### **ECON 3603 - Economic History Of US**

A study of the economic development of the United States from the earliest settlement to the present with emphasis on the economic forces influencing growth and development. Prerequisite(s): ECON 1103 or ECON 2103 or ECON 2203.

### **ECON 3653 - Intermediate Macroeconomics**

This course is a study and analysis of the determinants of aggregate output, employment, and prices including monetary and fiscal policy. Prerequisite(s): ECON 2103, 2203.

### **ECON 3990 - Advanced Topics In Economics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ECON 4103 - Economic Growth & Development**

This course is a theoretical and comparative study of the growth and development process in developing countries, including developing strategies, industrialization, technical change, income distribution, migration savings mobilization, and investment and trade policies. Prerequisite(s): ECON 2103, 2203.

### **ECON 4203 - Economic Fluctuation & Stabilization**

An analysis of economic fluctuations with emphasis upon macroeconomic stabilization policies and forecasting. Prerequisite(s): ECON 2103, 2203.

### **ECON 4213 - Quantitative Business Forecasting**

This course is designed to lead students through the most helpful techniques to use in any forecasting effort. The course will concentrate on methods of describing a time series by isolating various components such as trend, seasonality, cyclical, and irregular that make up a time series. The main forecasting techniques include: moving average and exponential smoothing, linear and nonlinear trend, multiple linear regression, and the Box- Jenkins approach. Prerequisite(s): ECON 2173.

### **ECON 4303 - Urban Economics**

This course is a study of urban economic topics, including the development of cities, urban land-use patterns, transportation, housing, education, pollution, poverty, crime, and urban public finance. Prerequisite(s): ECON 1103 or 2103; ECON 2203 recommended.

### **ECON 4323 - Policy Analysis**

An introduction to analytical tools used in evaluating private and public sector policies, with applications to federal, state, and local government policies and projects. Prerequisite(s): ECON 2203.

### **ECON 4333 - Economics Of Education**

This course will explore a range of issues surrounding the production and delivery of education, the impact of education on individual earnings, and the role of education in economic development. Prerequisite(s): ECON 1103, 2103.

### **ECON 4343 - Economics And Law**

This course is an advanced investigation of the underlying economic basis of common law including the economics of property, contract, tort, criminal, and family law. Prerequisite(s): ECON 1103 or 2103.

### **ECON 4353 - Social Welfare Economics**

A study of the theory of social welfare with emphasis upon the institutional arrangements in a market economy. Prerequisite(s): ECON 2103, 2203.

### **ECON 4363 - Industrial Organization**

This course examines alternative forms of industrial organization with emphasis placed on underlying structure, market performance/conduct, social welfare implications, and policy alternatives such as regulation and antitrust. Prerequisite(s): ECON 2103.

### **ECON 4373 - Health Care Economics**

This course explores health care from an economic perspective, by examining the nature of demand and identifying suppliers of health care in order to achieve an understanding of market incentives and performance. In addition, the course examines those health care market characteristics that prevent market forces from generating socially desirable outcomes: market power, imperfect information, uncertainty, and externalities, as well as the inherent conflict arising from the desire to assure "equal access" to health care for all individuals despite widely divergent incomes. Government interventions in health care markets are examined and critiqued. Prerequisite(s): ECON 1103 or 2103.

### **ECON 4403 - International Economics**

This course is a study of the theory of international trade, commercial policy, preferential trading arrangements, and topics on the balance of payments and the international adjustment mechanism. Prerequisite(s): ECON 2103, 2203.

### **ECON 4423 - Econometric Methods**

This course is designed to give students an understanding of why econometrics is necessary and to provide them a working knowledge of basic econometrics. Emphasis will be placed on understanding when to adopt a particular model or technique, how to implement it, and how to interpret the results. Statistical analysis and regression techniques using computer software will be employed. Prerequisite(s): ECON 2173 and ECON 3203 and ECON 3123 or written permission of instructor.

### **ECON 4433 - International Monetary Relations**

The course discusses concepts in international macroeconomics such as the balance of payments, the current account, the exchange rate, foreign exchange markets, national output and the international monetary system. The course analyzes the interaction of national economies through international financial markets. The course will also cover policy issues including exchange rate management, optimum currency areas, history of international monetary systems, adjustment mechanisms, and interventions on the foreign exchange market. Prerequisite(s): ECON 2203.

### **ECON 4503 - Evolution Of Economic Thought**

A survey of the evolution and development of economic thought. Analysis of various contributions by economists to economic knowledge. Prerequisite(s): ECON 2103, 2203.

### **ECON 4513 - Labor Economics & Public Policy**

Topics in this course include development of neoclassical labor market theory with in-depth investigation of the determination of hours of work and wages; study of the impact of unions and government policy such as affirmative action, minimum wages, and immigration on labor markets; consideration of the investment in human capital and its role in the determination of earnings; and analysis of problems associated with labor market outcomes including discrimination and poverty. Prerequisite(s): ECON 2103, 2203.

### **ECON 4603 - Comparative Economic Systems**

This course consists of the study and comparison of major economic systems, including capitalism, socialism and mixed economic systems; an analysis of their relative efficiency; and a survey of the main problems faced by economics in transition. Prerequisite(s): ECON 2103, 2203.

**ECON 4703 - Issues In Monetary Theories**

A study and discussion of monetary economic theories and issues, including the role of money, monetary policy, monetary policy tools, demand for money, interest rates, rational expectations, monetary approach to the balance of payments, Keynesian-monetarists debates, and related models. Prerequisite(s): ECON 2103, 2203.

**ECON 4713 - Resource Economics**

An analysis of world resource supplies, allocation, adequacies, and environmental problems emphasizing the role of technology and utilization. Prerequisite(s): ECON 2103, 2203.

**ECON 4900 - Practicum In Economics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ECON 4910 - Seminar In Economics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ECON 4920 - Workshop In Economics**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ECON 4930 - Individual Study In Economics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ECON 4940 - Field Study In Economics**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**ECON 4950 - Internship In Economics**

Credit will vary from 1 to 8 hours.

**ECON 4960 - Institute In Economics**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**ECON 4970 - Study Tour In Economics**

Credit will vary. Subject matter will vary within the department's field of study.

**ELEMENTARY EDUCATION (ELED)**  
**Department of Curriculum and Instruction**

**ELED 2000 - Topics In Elementary Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ELED 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ELED 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ELED 4063 - Teaching Reading In The Primary Grades**

A study of theory research and related instructional strategies and curriculum materials applicable to the teaching of developmental reading in the primary grades. Topics will include research-based approaches to reading instruction incorporating principles for effective teaching and essential skills which include phonological system, syntactical system, semantic system, pragmatic (social or cultural) system. The knowledge base will be enhanced through modeling and a limited field experience. This course and ELED 4173 replace ELED 4085. This course replaces ELED 4073.

**ELED 4173 - Teaching Reading In Intermediate/Middle School**

This course expands upon the basic reading skills by utilizing a wide variety of strategies and materials appropriate for use in grades 4-8. An emphasis upon content area reading, expository texts, study skills, contextual analysis skills, and technology will be complemented by a limited field experience component. This course and ELED 4063 replace ELED 4085. Prerequisite(s): ELED 4063 (previously ELED 4073), and admission to Teacher Education.

**ELED 4183 - Assessment/Intervention Reading K-8**

This course develops strategies for teaching reading in the elementary school, including classroom assessment and intervention practices for instruction for individual needs. This course replaced ELED 4094. Prerequisite(s): Admission to teacher education, ELED 4063 and ELED 4173 or ECED 4073.

**ELED 4213 - Teaching Language Arts In Elementary/Middle School**

A study of the theory, research, and related instructional strategies and curriculum materials applicable to the teaching of listening, speaking, and creative and practical writing to children in grades K-8. Additional topics will include the teaching of handwriting, spelling, grammar and mechanics. Prerequisite(s): Admission to Teacher Education. This course replaces ELED 4153.

**ELED 4263 - Assess/Interven Reading K-3**

This course examines current issues in reading practices, assessment, and intervention strategies specific to grades K-3. Upon completion of this course, the students will be able to utilize appropriate reading assessments and design effective intervention strategies, lessons, and activities. This class requires clinical experience working with K-3 grade level students. Prerequisite(s): ELED 4063. Junior or senior standing and admission to Teacher Education. Enrollment open to Elementary Education, Early Childhood Education and Special Education majors only.

**ELED 4273 - Assess/Interven Reading 4-8**

This course examines current issues in reading practices, assessment, and intervention strategies specific to grades 4-8. Upon completion of this course, the students will be able to utilize appropriate reading assessments and design effective intervention strategies, lessons, and activities. This course requires clinical experience working with grade 4-8 students. Prerequisite(s): ELED 4063, 4173 and 4263. Junior or senior level and admission to Teacher Education. Enrollment is open to Elementary Education, Early Childhood Education and Special Education majors only.

**ELED 4283 - Lang Arts & Multicultural Lit**

This course provides opportunities for teacher candidates to explore the many facets of language arts through a multicultural lens. It will cover pedagogy, theory, and research-based best practices in teaching English language arts for elementary students and language learners. Prerequisite(s): Junior or senior standing and admission to Teacher Education. Enrollment open to Elementary Education and Early Childhood Education majors only.

**ELED 4323 - Teaching Mathematics In Preschool/Primary**

The selection and organization of subject matter is designed to facilitate the teacher's ability to meet the needs of preschool and primary children. Child development and mathematics curriculum will be studied including mathematics readiness, diagnosis, and placement. Activities for developing concepts in topics such as pre-number, number, geometry, measurement, and the collection and organization of data will be explored. Prerequisite(s): MATH 2013 and admission to Teacher Education program.

**ELED 4333 - Teaching Mathematics In Intermediate Grades**

This course is designed to facilitate the prospective teacher's ability to meet the needs of intermediate grade students in the study of mathematics. It includes the study of current trends in mathematics curriculum; instructional techniques and materials; assessment of student perfor-

mance; and curriculum programs. Specific topics covered are patterns and relationships; organizing, analyzing and synthesizing data; communicating mathematically; strategies for problem solving; mathematical concepts and skills of whole numbers, rational numbers, geometry, and measurement; and the use of technology. Prerequisite(s): ELED 4323 and admission to Teacher Education.

#### **ELED 4343 - Science In Elementary School**

This course will address a variety of methods and procedures for teaching life, earth-space and physical science concepts in the elementary school. Prerequisite(s): Admission to Teacher Education.

#### **ELED 4432 - STEM Education in Grades 1-8**

This course is designed to prepare teacher candidates with the knowledge and skills needed to teach STEM in 1st - 8th grade classrooms. Special focus will be given to integration of areas, including the arts, language and technology, to create authentic STEM tasks and experiences for students. Prerequisite(s): Admission to teacher education. Junior or senior standing. Enrollment open to Elementary Education, Early Childhood Education, Science Education and Mathematics Education majors only.

#### **ELED 4463 - Social Studies In The Elementary School**

This course will address the function of social studies in elementary education, and facilitate the development of procedures and techniques for teaching social studies in the elementary grades. Prerequisite(s): Admission to Teacher Education.

#### **ELED 4483 - Children's Literature**

Prospective teachers will be exposed to a wide variety of literature appropriate for the preschool through the adolescent years. Literacy elements and skills will be examined as well as the shift from a basal series/skills approach of teaching reading and literature to a more language/literature based method framework. Application and modeling of instructional strategies will represent an integral part of the course. Prerequisite(s): Admission to Teacher Education program or 728 major.

#### **ELED 4900 - Practicum In Elementary Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ELED 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ELED 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **ELED 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ELED 4950 - Internship**

Credit will vary from 1 to 8 hours.

#### **ELED 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **ELED 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

## **ENGLISH (ENG)**

### **Department of English**

#### **ENG 0123 - Reading & Writing for College**

Reading & Writing for College will prepare students for ENG 1113 (English Composition) by providing extensive instruction in writing standard English for academic and professional audiences. This course is not available for college credit.

#### **ENG 1113 - English Composition**

This course provides instruction in college level writing, covering grammatical skills, rhetorical issues, and cognitive abilities necessary to produce effective academic prose. The primary purpose of first-year English is to produce writers of competent expository prose by providing an environment, which acts as an initiation into the academic world. Credit may be earned in only one course from ENG 1113, 1143, 1153, or 1173.

#### **ENG 1153 - English Composition - International**

This course is the same as ENG 1113 but designed for international students. Credit may be earned in only one course from ENG 1113, 1143, 1153, or 1173.

#### **ENG 1213 - English Composition & Research**

The primary purpose of this course is to help students write clear, concise, and coherent academic prose in both expository and persuasive modes. The major emphasis of the course will be in improving research and investigative skills. Credit may be earned in only one course from ENG 1213, 1223, 1233, or 1243. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.

#### **ENG 1223 - English Composition & Research: International**

This course is the same as ENG 1213 but designed for international students. Credit may be earned in only one course from ENG 1213, 1223, 1233, or 1243. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.

#### **ENG 1253 - Vocabulary Building**

Vocabulary Building examines prefixes, suffixes, and etymologies as a means of increasing students' reading comprehension and writing competency.

#### **ENG 2000 - Topics In English**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ENG 2223 - Introduction To Film Studies**

This course briefly outlines the history of film, introduces students to basic film terms and techniques such as script, shots, sequence, and animation, and summarizes the theory and practice of film criticism. This course replaces ENG 3043. Prerequisite(s): ENG 1113 & 1213.

#### **ENG 2303 - English Cornerstone**

This course provides a broad and essential introduction to literary terms, genres, and critical theory. In addition, students will be introduced to basic literary research and refine their analytical writing skills. Prerequisite(s): ENG 1113 & 1213.

#### **ENG 2313 - Intro Multicultural Lit**

Introduction to Multicultural Literature studies at least three visible minority groups in the United States, emphasizing continuity, community, and change. Prerequisite(s): ENG 1113 and ENG 1213.

#### **ENG 2413 - Fundamentals Of Literature**

This course offers a concentrated study of the principles and forms of literature.

#### **ENG 2543 - English Literature To 1800**

This course provides a survey of the major texts and authors in the British literary tradition from its origins to the end of the eighteenth century.



**ENG 2633 - Literature and the Environment**

Literature and the Environment examines writing and other texts about nature, environmentalism, and our relationship with the non-human world. Students learn how to analyze literature through an ecocritical lens. Prerequisite(s): ENG 1113.

**ENG 2653 - English Literature Since 1800**

This course provides a survey of British literature and British literary movements from 1800 to the present with the emphasis evenly distributed.

**ENG 2693 - Survey Black American Fiction**

This course will involve a study of the significant fiction produced by black writers in the 20th century.

**ENG 2713 - Black American Poetry/Drama/Nonfiction**

This course will involve a study of significant black contributions in the areas of poetry, drama, and nonfiction from the seventeenth century to the present.

**ENG 2773 - American Literature To 1865**

This course provides a historical survey from colonial times to Walt Whitman; extensive reading.

**ENG 2883 - American Literature Since 1865**

This course is a continuation of ENG 2773 from Walt Whitman to the present.

**ENG 3000 - Workshop In English**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ENG 3013 - Shakespeare**

This course focuses on representative Shakespearean comedies, histories, tragedies, and their background. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 3033 - Shakespeare**

This course examines Shakespearean dramas other than those studied in ENG 3013. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 3053 - Greek Drama In English Translation**

This course is a study of the significant dramas of Aeschylus, Aristophanes, Euripides, and Sophocles. Some consideration will be given to the patterns of early Greek drama, the style of setting, and the structure of the early Greek theatres. Prerequisite(s): ENG 1113, 1213.

**ENG 3063 - Introduction To Grammar**

This course offers a study of the traditional concepts of English grammar and an introduction to modern methods of syntactic analysis. Prerequisite(s): ENG 1113 and 1213.

**ENG 3083 - Introduction to Rhetoric**

Introduction to Rhetoric will introduce students to foundational ancient and modern rhetorical concepts. Students will apply these persuasive, communicative, and meaning-making concepts to texts they read and compose. In particular, this course will explore the complex relationships among writers, audiences, texts, and contexts. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3103 - The Joy of Poetry**

The Joy of Poetry teaches students to recognize the major elements of poetry and to develop the skills necessary to analyze and interpret poems from a variety of historical and literary contexts. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3123 - Grammar for English Ed Majors**

Grammar for English Education Majors is an intensive study of the rules of English grammar and their application to speaking and writing, along

with strategies and best practices for teaching grammar in grades 6- 12. Sociolinguistics and the implications for secondary classrooms are also studied. Students use their knowledge of English grammar and sociolinguistics, along with current state standards, to plan appropriate lessons for secondary classrooms and practice teaching through class demonstrations. Prerequisite(s): ENG 1113 and ENG 1213 and sophomore standing or above. Enrollment open to English Education majors only.

**ENG 3153 - Victorian Age**

This course focuses on the prose and poetry of the Victorian period. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 3173 - Short Story**

This course examines the origin, traces the development, and analyzes the techniques of the short story. Extensive reading is required. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 3193 - World Literature I**

This course is a survey of literary masterpieces from the ancient world to the 16th century, including both western and non-western works. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3213 - World Literature II**

This course examines the world masterpieces of Africa, Asia, Europe, and the Americas from the 17th century to the current century. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3243 - Women In Film**

This course provides an introduction to the genre of the women's film, exploring its unique characteristics, purposes, and motifs. Prerequisite(s): ENG 1113 & 1213.

**ENG 3373 - Literary Study New Testament**

This course offers a study of the New Testament as literature.

**ENG 3393 - Mythology**

This course examines the more important myths, legends and folk tales and includes extensive readings in classic literature in translation. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3413 - Literary Study Old Testament**

This course offers a study of the Old Testament as literature.

**ENG 3423 - Women Of The Bible**

This course will provide coverage of the women of the Bible from a literary viewpoint. Emphasis will be on the literary genres, archetypes, motifs, and themes of their stories. Allusions and parallels to their stories found in other literature will be explored. Prerequisite(s): ENG 1113 and 1213.

**ENG 3533 - Science Fiction**

This course will provide coverage of the genre, of science fiction, including the genre's development and position in literature, its forms, its influence on other genres, its inheritance of the epic tradition, and its characteristics. This course emphasizes literary interpretation, motifs, devices, archetypes, myths, recurring themes, and the authors who have shaped the genre. Prerequisite(s): ENG 1113 & 1213.

**ENG 3623 - Asian Gothic: Lit & Film**

Asian Gothic: Literature and Film examines the Asian narratives of gothic in terms of the paranormal, the supernatural, and the macabre. By approaching these narratives of ghosts, demons and the strange, students learn the cultural, familial, and political nature of Asian Society. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3723 - Lesbian and Gay Literature**

Lesbian and Gay Literature examines the development, reception, and influence of lesbian and gay literature in English. Discussion may focus on a particular genre, a specific group of writers, or a set of issues or thematic concerns common to a number of literary texts. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 3843 - Secondary English Methods I**

Secondary English Methods I introduces teacher candidates to the field of secondary English teaching and specifically focuses on lesson planning, cognitive rigor, and state standards. Emphasis will be placed on composition theories and language instruction for teaching in grades 6-12. Additional work with informational texts and text complexity provides background needed for Secondary English Methods II. Prerequisite(s): ENG 1113, ENG 1213 and sophomore standing or above. Enrollment open to English Education majors only.

**ENG 3990 - Advanced Topics In English**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113, 1213.

**ENG 4003 - Literature of the American West**

Literature of the American West investigates the American West as myth, setting, and symbol in literary texts in a variety of genres written between the beginning of the nineteenth century and the present day. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4013 - A Literary Study Of The Bible**

This course is a comprehensive study of the Bible as literature. Major literary genres, biblical backgrounds, themes, archetypes, rhetorical modes, a study of biblical poetry and narrative constitute the emphases of study. The tools of literary criticism (historical criticism, anthropological, mythological, and linguistic) enable students to formulate models of interpreting the Bible as literature. Prerequisite(s): ENG 1113 & 1213.

**ENG 4023 - Technical Writing**

Technical Writing provides a study of basic composition principles and will equip students in various disciplines to write clear technical expository prose designed for specific audiences. This course emphasizes reports, memorandums, proposals, brochures, and other technical communication formats. An important component of this course is effective oral communication as appropriate for the development of technical prose within a group setting. Prerequisite(s): ENG 1113 and 1213 and sophomore standing.

**ENG 4043 - Colonial American Literature**

The course provides a study of colonial, regional, and revolutionary American literature to examine the historical narratives, essays, fiction, sermons, political tracts, and poetry which formed and continue to influence American culture. Prerequisite(s): ENG 2773 and 2883.

**ENG 4053 - Vietnam War Film & Literature**

This course examines the cinematic and literary perspectives of the Vietnam War from gender, ethnic and nationalistic perspectives. Students will discuss the historical, social and political aspects of the war in comparison to films and literary works from other American wars. Prerequisite(s): ENG 1113 and 1213. Senior standing.

**ENG 4063 - Advanced Technical Writing**

Advanced Technical Writing affords students a real-world opportunity to work with clients to develop documents that will be beneficial to the clients. These documents may include newsletters, letters to donors, letters to populations served by the client, grants, proposals for funding, copy for a website, and a variety of other professional documents. Prerequisite(s): ENG 1113, ENG 1213, ENG 4023 and junior or senior standing.

**ENG 4073 - 19th Century British Women Writers**

This course examines the works of major British women writers of the nineteenth century, focusing on the female literary tradition inherent in their novels and poetry. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

**ENG 4083 - Early American Gothic Fiction**

This course examines the gothic tradition in works of American fiction written during the 18th and 19th centuries, focusing on the way in which

this tradition responds to American ideology and events in American history. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

**ENG 4103 - 18th Century British Novel**

This course examines the backgrounds, beginnings, and rise of the English novel as an art form from Elizabethan narrative forms through Scott and Austen. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4113 - Shakespeare: The Major Plays**

Shakespeare: The Major Plays offers an intensive study of a selection of Shakespeare's major comedies, tragedies, histories, and romances and examines the historical context, critical reception and interpretation, and performance histories of plays in each of these genres. Prerequisite(s): ENG 1113 and 1213.

**ENG 4123 - 19th Century British Novel**

This course examines the emergence of the novel as a significant art form during the Victorian period, from the Brontes to Hardy. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4143 - British Novel 1900-1940**

This course examines the cultural influences and major British novelists prior to World War II, from John Galsworthy to Graham Greene. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4153 - Victorian Literature**

This course analyzes the works of major British authors, 1830-1901. Prerequisite(s): ENG 1113 and 1213.

**ENG 4163 - Postcolonial Literature**

Postcolonial Literature uses contemporary historical and literary-critical scholarship within the field of Postcolonial Studies to explore the diverse ways in which literary texts from the nineteenth, twentieth, and twenty-first centuries have subverted traditional Western ideas of empire and of the colonized. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4173 - The Romantic Imagination**

A study of the major writers of the British Romantic period from the 1780s to the 1820s, this course is designed to introduce students to the major literary criticism of the Romantic period and to increase their understanding of the British Romantic writers' ideals and artistic themes. Prerequisite(s): ENG 1113 and 1213.

**ENG 4183 - Restoration/18th Century British Literature**

This course offers a comprehensive study of the major authors, genres, and thematic concerns of restoration and early 18th-century British literature. Readings are drawn from a variety of genres, including poetry, drama, prose fiction, and non-fiction prose, and reflect the diverse interests of British writers from the restoration to the Augustan Age. This course also introduces students to recent developments in the study of restoration and early 18th-century British literature and culture, including the work of feminist, comparatist, and cultural critics.

**ENG 4193 - Technical Editing**

Technical Editing offers students the opportunity to learn grammar and editing skills by reading theory, testing knowledge of grammar, and completing an editing project. This course teaches practical editing skills and helps them to become stronger editors. Prerequisite(s): ENG 4023 or concurrent enrollment in ENG 4023.

**ENG 4203 - The Age Of Johnson**

Taking the writings of Samuel Johnson as a point of departure, this course examines the major authors, genres, and thematic concerns of British literature during the period 1737-84. Readings are drawn from a variety of genres, including poetry, drama, prose fiction, and non-fiction prose, and reflect the diversity of interests that characterizes British writing of the middle decades of the 18th century. This course also addresses recent critical developments in the study of mid-18th-century British literature. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4213 - Document Design**

Document Design offers students the opportunity to learn about design standards, page layout, instructional design, desktop publishing, typography, reading theory, and current research in document design. Prerequisite(s): ENG 4023 or concurrent enrollment in ENG 4023.

**ENG 4223 - Contemporary Literature & Culture**

Contemporary Literature and Culture examines the influence of modern philosophical movements on twentieth- and twenty-first-century literature. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4233 - American Novel I**

This course focuses on the nineteenth-century American novel in the United States. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4243 - Chaucer**

The course examines the language and poetry of Chaucer. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4253 - American Novel II**

This course focuses on the twentieth-century American novel in the United States to World War II. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4263 - Literary Criticism**

Literary Criticism examines the standards used in the evaluation of literature. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4273 - American Fiction Since WW II**

This course offers a critical study of the important movements and writers of contemporary fiction in the United States. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4283 - English Grammar And Usage**

This course offers an intensive study of the rules of English grammar and their application to speaking and writing. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4303 - Greek Drama in Translation**

Greek Drama in Translation provides an intensive study of the major tragedies by Aeschylus, Sophocles, and Euripides as well as some of the works by Aristophanes and Menander. This course will give the student of literature as well as the writer in training a better grasp of the literary and cultural significance of these masterpieces. Prerequisite(s): ENG 1113, 1213 and junior standing or above.

**ENG 4323 - History Of English Language**

This course presents the ancestry of the English language and of the evolution that has occurred and is occurring in the language. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4333 - Teaching Shakespeare**

Teaching Shakespeare focuses on multiple methods for teaching Shakespeare in grades 6-12. Pedagogical theory and practice, along with literary criticism, will be used to study Shakespearean sonnets and plays most often taught in public schools. Students are required to plan standards-based instruction and to construct assessments useful for their future teaching. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4343 - Linguistics**

This course offers a comprehensive study of the English language from sounds (phonetics and phonology) to words (morphology) to structure (syntax) to meaning (semantics). The course also examines some social aspects of language (especially dialectology). Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4353 - Latinx American Literature**

Latinx American Literature explores the writings of Latino/as in the U.S. with emphasis on the distinctions and similarities that have shaped the experiences and the cultural imagination among different Latinx

communities. Prerequisite(s): ENG 1113 and ENG 1213 and junior or senior standing.

**ENG 4363 - Black American Literature**

Black American Literature defines the African American literary tradition and traces its development from 1619 to the present, with emphasis on historical, transnational, social, and philosophical contexts. Prerequisite(s): ENG 1113 and ENG 1213 with junior or senior standing.

**ENG 4383 - Modern American Poetry**

This course offers a one-semester survey of the major figures in modernist American poetry, including Frost, Pound, Stevens, and Williams. The course examines the prose criticism of these writers as well as their poetry and assesses their contributions to the development of twentieth-century literary theory. Prerequisite(s): ENG 1113 and 1213.

**ENG 4403 - Modern Drama**

This one-semester course in world drama, covering about twenty-four plays, starts with Ibsen, the late nineteenth century father of modern drama, and proceeds to several contemporary plays, focusing on major world dramatists and dramatic movements. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4413 - TESL Grammar**

This course helps students learn how to use grammar in teaching English as a second language (TESL), providing students with the opportunity to build a solid foundation in grammar and grammatical theory as they practice the presentation of grammatical concepts. Prerequisite(s): ENG 1113 and 1213.

**ENG 4423 - Studies In The Classical Epic**

Selected works of Homer, Virgil, and others will be studied in detail with some attention to their influence. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4433 - Southern Women Writers**

This course offers a survey of 20th-century American women writers, including Eudora Welty, Flannery O'Connor, Kate Chopin, Carson McCullers, Alice Walker and Zora Neale Hurston. Prerequisite(s): ENG 1113 and 1213.

**ENG 4443 - Medieval Romance**

This course will cover the romances of medieval England and continental Europe.

**ENG 4453 - Black Women Writers**

Black Women Writers is a critical survey of literature produced by women of African descent. Students analyze diverse types of black women's literary traditions, including autobiography, oratory, poetry, drama, diction, criticism, music, and film. Prerequisite(s): ENG 1113 and 1213.

**ENG 4463 - Indigenous Literature I**

Indigenous Literature I is a critical survey of early and contemporary literature. Students analyze diverse types of indigenous literary traditions, including oratory, poetry, drama, prose fiction, criticism, and autobiography. Prerequisite(s): ENG 1113 and 1213.

**ENG 4473 - Advanced Composition**

This course provides students with practice in expository types with emphasis on style and critical analysis. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4483 - Milton**

This course examines the major poems and selected minor poetry and prose of John Milton. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4493 - Indigenous Literature II**

Indigenous Literature II examines a particular indigenous author or selected groups or movements of indigenous authors. Prerequisite(s): ENG 1113 and 1213.

**ENG 4503 - 16th Century British Literature**

This course provides a survey of sixteenth-century British prose, poetry, and drama. Prerequisite(s): ENG 1113 and 1213.

**ENG 4513 - Literary Works Of C.S. Lewis**

This course will provide coverage of the literary works of C.S. Lewis and a brief look at related criticism. This course will include literary interpretation, genres, motifs, literary devices, and themes of the works. Prerequisite(s): ENG 1113 and 1213.

**ENG 4523 - Comic Books & Graphic Novels**

Comic Strips, Comic Books & Graphic Novels offers an historical survey of the development of graphic narrative as a vital literary and artistic form that has shaped American culture while also reflecting its anxieties and concerns. This course examines the emergence and development of graphic narrative within three production contexts: the newspaper comic strip, the comic book magazine and the graphic novel, each of which has produced major figures and canonical works while contributing to the development of graphic narrative techniques and forms. The course examines each of these graphic narrative forms within the specific context of their production processes, conceptions of authorship, system of genres, and styles of representation. Prerequisite(s): ENG1113, ENG 1213, and ENG 2303 with sophomore standing or above.

**ENG 4533 - Genres In Film**

This course provides an in-depth study of a specific film genre. This course focuses on describing the characteristics, purpose, and themes of a specific genre and provides students with a theoretical background for viewing genre-specific films. Prerequisite(s): ENG 1113, 1213, and 2223.

**ENG 4543 - Film As Literature**

This course is an introduction to literary and film genres. The chief film forms are presented, through historical and contemporary examples—the western, the comedy, the fantasy, the detective, the musical and Gothic story type. Each is represented by both a literary work and a representative film. Through such a study the student encounters the demands and difficulties of transferring a story from one medium to another. Prerequisite(s): ENG 1113 and ENG 1213.

**ENG 4553 - History Rhetoric To 1700**

This course examines the history of argumentation, its forms and uses, and the theories behind the practices. Prerequisite(s): ENG 1113 and 1213.

**ENG 4563 - Modern British Poetry**

This course offers a one-semester survey of the work of the following British poets: William Butler Yeats, Thomas Hardy, Gerard Manley Hopkins, A. W. Housman, D. H. Lawrence, W. H. Auden, and Dylan Thomas. The course will set these poets in historical and critical perspective as well as offer analyses of the poetry. Prerequisite(s): ENG 1113 and 1213.

**ENG 4573 - British Novel Since WW II**

This course offers a study of the British novel and its cultural contexts since 1945. Prerequisite(s): ENG 1113 and 1213.

**ENG 4583 - 17th Century Prose & Poetry**

This course offers a comprehensive study of major prose writers and poets of the seventeenth century including Frances Bacon, John Donne, Robert Burton, Sir Thomas Browne, George Herbert, John Milton, Andrew Marvell, Henry Vaughan, Thomas Traherne, Aphra Behn. Prerequisite(s): ENG 1113 and 1213.

**ENG 4603 - Major Figures In American Film**

This course provides an in-depth study of a particular filmmaker or selected groups/movements of filmmakers, surveying their works, examining the critical issues raised by their films, and positioning them within the contexts of film history, theory, and criticism. The content will vary within the limits of the discipline. Prerequisite(s): ENG 1113, ENG 1213 and sophomore standing or above.

**ENG 4611 - Research and Writing**

Research and Writing affords students the opportunity to complete a thesis proposal, grant application, or research article using research and data that the students already possess. This course focuses on creating the technical document that the student chooses to prepare. Prerequisite(s): ENG 1113, ENG 1213 and junior or senior standing.

**ENG 4623 - Shakespeare's Tragedies**

This course offers an in-depth study of a selection of Shakespeare's tragedies. Prerequisite(s): ENG 1113 and 1213.

**ENG 4633 - Old English Literature**

This course offers an in-depth survey of the major works of Old English literature, including heroic and religious poetry, homiletic prose, riddles, elegies, and saints' lives. In addition, this course provides an overview of Anglo-Saxon history and culture and an introduction to Old English grammar, syntax, and vocabulary. Prerequisite(s): ENG 1113, ENG 1213 and ENG 2303.

**ENG 4643 - Grant Writing**

Grant Writing addresses the grant writing process. Students will learn where to look for grants, what information to include, and best practices to help increase the likelihood of being funded. This class will be a mixture of theory, discussion, and practical application. Prerequisite(s): ENG 1113, ENG 1213 and junior or senior standing.

**ENG 4653 - History Rhetoric Since 1700**

This course examines the history of rhetoric in western culture from 1700 to the present. The course begins with the rhetoric of the Enlightenment, while the second half covers the rhetorics of the twentieth century, including electronic rhetoric. Prerequisite(s): ENG 1113 and 1213.

**ENG 4673 - Young Adult Literature**

Young Adult Literature examines the history and evolution of young adult literature and the ways in which these texts affect an adolescent audience. Students will read theory and scholarship to broaden their understanding of this dynamic field. Prerequisite(s): ENG 1113 and 1213.

**ENG 4683 - Women in Literature**

This course provides an in-depth survey of literature written by women, analysis of the importance of gender in evaluating English, American, and World literature, and literary criticism by women writers. Prerequisite(s): ENG 1113 and 1213 and sophomore standing or above.

**ENG 4693 - Films of Akira Kurosawa**

This course explores the works of Akira Kurosawa by examining his life, his films, and the impact of his greatest works on world cinema. Prerequisite(s): ENG 1113 and 1213. Senior standing.

**ENG 4703 - Kung Fu Films & Literature**

This course examines kung fu films, focusing primarily on Hong Kong films. Students will identify the conventions of this genre. Students will formulate how the Chinese philosophies of Taoism, Buddhism and Confucianism are used in such films. Finally, students will assess how kung fu films become recognized as an influential global cinema. Prerequisite(s): ENG 1113, ENG 1213 and senior standing.

**ENG 4713 - 19th Century American Women Writers**

This course provides an introduction to the major American female writers of the nineteenth century. This course focuses on novels, but includes short stories and poetry. Prerequisite(s): ENG 1113 and 1213.

**ENG 4723 - Composition Pedagogies**

This class examines practical strategies for helping students improve their composition skills by exploring established and emerging pedagogies. Prerequisite(s): ENG 1113, 1213, and 4473.

**ENG 4733 - TESL Pedagogy**

This course prepares students to work in the field of teaching English as a second language (TESL). First, students will investigate TESL meth-

ods, including the creation of games and simulations for the classroom. Second, students will develop computer-assisted language exercises and simulations. Finally, students will present their research and projects to the class. Prerequisite(s): ENG 1113, 1213.

### **ENG 4753 - Publishing & Editing**

Publishing & Editing affords students a real-world opportunity to learn strategies and techniques for soliciting manuscripts, judging submissions, selecting, editing, negotiating editor-author relations, designing, laying out, proofing, advertising, promoting, and distributing academic and/or literary journals. This course is cross-listed with CSDY 4753. The course, "Publishing & Editing", may be taken a maximum of two times for credit, whether taken under ENG, CSDY or a combination. Prerequisite(s): ENG 1113 and ENG 1213 with junior or senior standing.

### **ENG 4763 - American Literature 1800-1865**

This course is a comprehensive study of the "flowering of American literature" from the beginning of the 19th century to the close of the Civil War. Special consideration is given to many important forms other than the novel, such as poetry, short fiction, and non-fiction prose. Prerequisite(s): ENG 1113 and 1213.

### **ENG 4773 - American Literature 1865-1900**

This course is a comprehensive study of American literature from the close of the Civil War to the beginning of the 20th century. Special consideration is given to many important forms other than the novel, particularly the short fiction of the writers of regionalism, realism and naturalism. Prerequisite(s): ENG 1113 and 1213.

### **ENG 4783 - History of Scientific Rhetoric**

History of Scientific Rhetoric offers students the opportunity to learn about some of the major historical authors of science writing, about the techniques that authors use when discussing a scientific topic, about how those techniques have changed over time based on audience needs, and about the reasons why science writing is still important today. Prerequisite(s): ENG 4023 or concurrent enrollment in ENG 4023.

### **ENG 4813 - Indigenous Youth Literature**

Indigenous Youth Literature studies children's and adolescent literature from a variety of perspectives including traditional educational texts, contemporary texts, and controversial texts. Prerequisite(s): ENG 1113 and 1213.

### **ENG 4823 - Ethnic American Literature**

This course deals with the literature of at least four identifiable American ethnic groups (those usually recognized by society in general or by the government). Emphasis is placed on social origin and literary genre of each group. Prerequisite(s): ENG 1113 & 1213.

### **ENG 4833 - Cyberpunk Film and Literature**

Students will explore the visual and literary sub-genre of science fiction called cyberpunk. Student will learn to define the genre according to the themes of the invasion of the mind, the ontology of cyborgs, and the paranoia of oppressive politics: our current reality. Finally, students will assess the value this genre has in postmodern world fiction. Prerequisite(s): ENG 1113 and 1213. Senior standing.

### **ENG 4843 - Secondary English Methods II**

Secondary English Methods II focuses on creating lesson plans using content area reading strategies, literature instruction, and multimodal literacy. Teacher candidates preparing for secondary English instruction create an integrated unit plan, align instruction to current standards, and practice teaching through in-class demonstrations. Prerequisite(s): ENG 3843 and admission to Teacher Education. Enrollment open to English Education majors only with sophomore standing or above.

### **ENG 4853 - Shakespeare's Comedies**

This course offers an in-depth study of six of Shakespeare's comedies. In addition to studying the secondary criticism, students will correlate

films/productions with their reading of the primary texts. Prerequisite(s): ENG 1113 and 1213.

### **ENG 4863 - Shakespeare's History Plays**

This course provides an in-depth study of Shakespeare's history plays and their literary and cultural contexts. Prior knowledge of British literature tradition is presumed. Prerequisite(s): ENG 1113 & 1213.

### **ENG 4873 - Indigenous Cinema**

Indigenous Cinema offers a critical survey of early and contemporary indigenous films. Students analyze diverse types of cinematic contributions, such as silent films, documentaries, features, shorts, and animated films. Prerequisite(s): ENG 1113, 1213 and sophomore standing or above.

### **ENG 4883 - Asian American Literature**

In this course, students will analyze and evaluate the contributions that Asian Americans have made to American literature. Students will discuss the perceptions Euro-Americans had toward individual Asian cultures due to historical events, the effect of those perceptions on the way Asian Americans were treated, and the record of this treatment in the literature. Prerequisite(s): ENG 1113 and 1213. Senior standing.

### **ENG 4893 - English Capstone**

This course provides senior students with a capstone experience to help them make the transition into the workforce or graduate school. Prerequisite(s): 24 hours of 4000-level English courses and ENG 2303.

### **ENG 4900 - Practicum In English**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ENG 4910 - Seminar In English**

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. Prerequisite(s): ENG 1113 & 1213.

### **ENG 4920 - Workshop In English**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **ENG 4930 - Individual Study In English**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ENG 4940 - Field Study In English**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

### **ENG 4950 - Internship In English**

Credit will vary from 1 to 8 hours.

### **ENG 4960 - Institute In English**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **ENG 4970 - Study Tour In English**

Credit will vary. Subject matter will vary within the department's field of study.

## **ENGINEERING (ENGR)**

### **Department of Engineering and Physics**

#### **ENGR 1112 - Introduction to Engineering & Lab**

This course provides an introduction to engineering disciplines, problem-solving techniques, engineering homework skills, computer tools and techniques, ethics, and engineering resources. A team-based design project is an integral component of the course. Prerequisite(s): MATH 1513 or concurrent enrollment in MATH 1513 or one year of high school

Algebra II. Concurrent enrollment in ENGR 1112L is required. Enrollment is open to engineering majors only.

### **ENGR 1112L - Introduction to Engineering Lab**

This course comprises the laboratory component of ENGR 1112. Introductory labs and team-based projects are provided to reinforce the concepts covered in the lecture course and to equip students with the basic communication, computer and electronic skills. Prerequisite(s): Concurrent enrollment in ENGR 1112 is required.

### **ENGR 1213 - Engineering Computing & Lab**

This course introduces computing skills required by engineers in their profession, including use of engineering spreadsheets, scientific programming and algorithms and use of mathematical or other simulation packages to solve engineering problems. Programming labs and team design projects are integral components of the course. Prerequisite(s): MATH 1593 or concurrent enrollment in MATH 1593. Concurrent enrollment in ENGR 1213L is required.

### **ENGR 1213L - Engineering Computing Lab**

This course comprises the laboratory component of ENGR 1213. MATLAB and C programming labs and team design projects are designed to reinforce the concepts covered in the lecture course and equip students with the basic communication, computer and programming skills. Prerequisite(s): Concurrent enrollment in ENGR 1213 is required.

### **ENGR 2000 - Topics In Engineering**

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

### **ENGR 2033 - Statics**

This course provides an introduction to basic engineering mechanics and examines the laws which describe the response of objects to applied forces and torques. Prerequisite(s): PHY 2014, MATH 2333 or concurrent enrollment in MATH 2333. Concurrent enrollment in ENGR 2033D is required.

### **ENGR 2033D - Statics - Drill Session**

This drill session accompanies ENGR 2033 and provides directed problem solving in statics. Prerequisite(s): Concurrent enrollment in ENGR 2033 is required.

### **ENGR 2043 - Dynamics**

This course provides an introduction to the dynamics of particles and rigid bodies with applications of Newton's second law, the principle of work and energy, and the principle of impulse and momentum. Prerequisite(s): ENGR 2033 and MATH 2343 or concurrent enrollment in MATH 2343. Concurrent enrollment in ENGR 2043D is required.

### **ENGR 2043D - Dynamics - Drill Session**

This drill session accompanies ENGR 2043 and provides directed problem solving in dynamics. Prerequisite(s): Concurrent enrollment in ENGR 2043 is required.

### **ENGR 2143 - Strength Of Materials**

This course provides an introduction to solid mechanics, including concepts of stress and strain, mechanical behavior of engineering materials, and analysis of loaded-bearing members. Prerequisite(s): ENGR 2033. Concurrent enrollment in ENGR 2143D is required.

### **ENGR 2143D - Strength of Materials - Drill**

This drill session accompanies ENGR 2143 and provides directed problem solving in strength of materials. Prerequisite(s): Concurrent enrollment in ENGR 2143 is required.

### **ENGR 2151 - Strength of Materials Lab**

This laboratory provides experience in measuring, validating and reporting the mechanical characteristic of elastic and brittle materials. This laboratory also provides experience in finite element analysis

that evaluates the stress and deformation of mechanical components. Prerequisite(s): ENGR 2143 or concurrent enrollment in ENGR 2143.

### **ENGR 2303 - Electrical Science**

This course teaches analysis techniques for electrical circuits which consist of resistors, capacitors, and inductors. The circuits analyzed are driven by constant and sinusoidal voltage and current sources. Prerequisite(s): PHY 2114 and ENGR 2311 or concurrent enrollment in ENGR 2311. Concurrent enrollment in ENGR 2303D is required.

### **ENGR 2303D - Electrical Science - Drill Session**

This drill session accompanies ENGR 2303 and provides directed problem solving in electrical science. Prerequisite(s): Concurrent enrollment in ENGR 2303 is required.

### **ENGR 2311 - Electrical Science Lab**

This laboratory provides experience in the simulation, design, and construction of electrical circuits and exposure to electrical laboratory equipment. Prerequisite(s): ENGR 2303 or concurrent enrollment.

### **ENGR 3000 - Workshop In Engineering**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **ENGR 3153 - Machine Dynamics**

This course is an application of the principles of dynamics to mechanisms and machine elements. Topics include kinematic and dynamic analysis of linkages and cam mechanisms. Prerequisite(s): ENGR 2043 with a minimum grade of "C" and MATH 3103 or concurrent enrollment in MATH 3103. Junior or senior standing.

### **ENGR 3183 - Electromagnetic Fields I**

This course provides an introduction to electrostatic and magnetostatic fields and sources, solutions of boundary value problems, and the development of Maxwell's equations with engineering applications. Prerequisite(s): PHY 3883 with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

### **ENGR 3203 - Thermodynamics**

This course provides an introduction to the laws of thermodynamics. Thermodynamic properties are defined that describe the behavior and state of systems. The laws of thermodynamics are applied to control masses and control volumes. Thermodynamic analysis is applied to a variety of standard thermodynamic devices and cycles. Prerequisite(s): ENGR 2033, CHEM 1315, and MATH 3103 or concurrent enrollment in MATH 3103 with a minimum grade of "C". Junior or senior standing. Concurrent enrollment in ENGR 3203D is required.

### **ENGR 3203D - Thermodynamics - Drill Session**

This drill session accompanies ENGR 3203 and provides directed problem solving in thermodynamics. Prerequisite(s): Concurrent enrollment in ENGR 3203 is required.

### **ENGR 3211 - Thermal Engineering Laboratory**

This laboratory provides hands-on experiences in validating thermal engineering principles including the laws of thermodynamics and heat transfer. This lab course also provides experiences in analyzing and simulating the performance of heat engines, steady-flow devices, and thermodynamic cycles. Prerequisite(s): ENGR 3203 and ENGR 3443 with junior or senior standing. Enrollment open to Electrical Engineering, Mechanical Engineering, Engineering Physics-Physics and Biomedical Engineering majors only.

### **ENGR 3223 - Digital Logic Design & Lab**

This course will discuss Boolean algebra, number systems and representations, and analysis and design of combinational and sequential logic circuits. Prerequisite(s): ENGR 2303, 2311 and MATH 3103. Concur-

rent enrollment in ENGR 3331 is required. Admission into the Engineering and Physics Upper Division is required.

### **ENGR 3223L - Digital Logic Design Lab**

This course comprises the laboratory component of ENGR 3223. Labs and computer simulations are designed to facilitate and reinforce the understanding of the concepts covered in the lecture course and equip students with the basic skills associated with the design, simulation, and analysis of digital logic and circuitry. Prerequisite(s): Concurrent enrollment in ENGR 3223 is required.

### **ENGR 3303 - Engineering Probability & Stat**

This course presents concepts of statistics and probability applicable to engineers and statistical analysis of measured experimental data. Topics covered with engineering applications are probability distributions, sampling distributions, hypothesis testing, parameter estimation, inferences, and computer software for statistical analysis of measured experimental data. Prerequisite(s): ENGR 2303 and 2311 or concurrent enrollment in ENGR 2303 and 2311.

### **ENGR 3323 - Signals and Systems**

This course focuses on techniques to represent signals mathematically, and design systems that process these signals. Topics covered in this course are the analysis techniques in both continuous and discrete-time linear systems, and signal representation including Fourier, Laplace and z transforms. Prerequisite(s): ENGR 2303, 2311 and MATH 3103. Concurrent enrollment in ENGR 3323L is required. Admission into the Engineering Physics and Biomedical Engineering programs is required.

### **ENGR 3331 - Signals and Systems Lab**

This laboratory provides hands-on experience necessary to represent and simulate linear signals and systems. Students will design and build linear systems for different engineering applications. Students will use time domain and frequency domain analyses, and Fourier and Laplace transforms in the lab to analyze signals and systems. Prerequisite(s): ENGR 2311 and concurrent enrollment in ENGR 3323 is required.

### **ENGR 3363 - Mechanical Engineering Design**

This course enables students to apply engineering fundamentals to machine components design and to evaluate material properties in the selection of materials for various applications. Prerequisite(s): ENGR 2043, ENGR 2143, and MATH 3103 or concurrent enrollment in MATH 3103. Admission into the Engineering and Physics Upper Division is required.

### **ENGR 3403 - Analog Electronics**

This course provides an introduction to analog electronics, including theory and application of passive devices, bipolar junction transistors, field effect transistors, and operational amplifiers. Prerequisite(s): ENGR 2303 and ENGR 2311. Concurrent enrollment in ENGR 3421 is required.

### **ENGR 3413 - Materials Science**

This course covers topics in engineering materials and their uses in engineering applications. Properties and structures of metals, ceramics, polymers, biomaterials and composites are discussed. Prerequisite(s): PHY 2114, CHEM 1315 (CHEM 1315 can be replaced by CHEM 1103 and CHEM 1112 for students in biomedical engineering) all with minimum grade of "C", and (MATH 3103 or concurrent enrollment in MATH 3103). Admission into the Engineering and Physics Upper Division is required.

### **ENGR 3421 - Analog Electronics Laboratory**

This laboratory provides hands-on experience in design, analysis, and building of analog electronic circuits in the lab. Students will design and build various circuits and applications that utilize diodes, bipolar junction transistors, field effect transistors, and operational amplifiers. Prerequisite(s): ENGR 2311. Concurrent enrollment in ENGR 3403 is required.

### **ENGR 3443 - Fluid Mechanics**

This course includes the study of fluid properties, fluid statics, conservation equations, inviscid flow, dimensional analysis and similitude,

boundary layer theory, viscous internal and external flow, and fluid measurement techniques. Prerequisite(s): ENGR 3203 and MATH 3103 with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

### **ENGR 3451 - Fluid Mechanics Laboratory**

This laboratory provides experience in fluid mechanics experiments involving Bernoulli's theorem, orifices, energy losses in pipes, and cavitations. Prerequisite(s): ENGR 3443 or concurrent enrollment. Admission into the Engineering and Physics Upper Division is required.

### **ENGR 3613 - Microprocessors and Laboratory**

This course includes: architecture, operation, and application of microprocessors; microprocessor programming; address decoding; system timing; parallel, serial, and analog I/O; interrupts and direct memory access. Prerequisite(s): ENGR 2303, 2311 and (3223 or 3222) all with a minimum grade of "C". Concurrent enrollment in ENGR 3613L is required.

### **ENGR 3613L - Microprocessors Laboratory**

This course comprises the laboratory component of ENGR 3613. Labs are designed to facilitate and reinforce the understanding of the concepts covered in the lecture course and equip students with the basic skills associated with the programming and applications of microprocessors. A design project is an integral component of the labs. Prerequisite(s): Concurrent enrollment in ENGR 3613 is required.

### **ENGR 3703 - Computational Methods In Engineering**

This course introduces general-purpose numerical methods and linear algebra concepts for solving problems in science and engineering. Students should develop an understanding of the strengths and limitations of standard numerical techniques applied to problems in engineering, such roots of nonlinear equations and systems of linear equations. The course will also cover numerical differentiation and integration, initial-value and boundary-value problems. The course will also discuss concepts and methods of scientific and engineering computing, mathematical modeling, and engineering design. Prerequisite(s): ENGR 1213, PHY 2014, and MATH 3103 or concurrent enrollment.

### **ENGR 3803 - Electrical Power Systems**

This course will introduce design, operation and key theoretical principles of modern electric power systems. Topics include basic power engineering concepts, power system design and operation, socio-economic aspects and new technologies. Prerequisite(s): ENGR 2303, ENGR 2311, and MATH 2343.

### **ENGR 3990 - Advanced Topics In Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ENGR 4103 - Finite Element Analysis**

This course provides an introduction to the finite element method, from an engineering rather than a purely mathematical point of view. This course introduces approximate solution methods, the RITZ method, interpolation, isoparametric finite elements, displacement-based bending elements, and applications for elasticity problems. The course includes the development of stand-alone finite element computer codes and the application of commercial finite element software packages to analyze solid and structural mechanics problems. Prerequisite(s): ENGR 2143, ENGR 3703 with a minimum grade of "C" and PHY 3883 or concurrent enrollment in PHY 3883.

### **ENGR 4123 - Heat Transfer**

This course introduces basic thermal-energy transport processes, conduction, convection, radiation, and the mathematical analysis of systems involving these processes in both steady and time-dependent cases. Prerequisite(s): ENGR 3443, MATH 3103 all with a minimum grade of "C" and ENGR 3703 or concurrent enrollment in ENGR 3703. Admission into the Engineering and Physics Upper Division is required.

**ENGR 4141 - Heat Transfer Laboratory**

This laboratory provides experience in heat transfer experiments involving conduction, convection, thermal radiation, and heat exchange. Prerequisite(s): ENGR 4123 or concurrent enrollment. Admission into the Engineering and Physics Upper Division is required.

**ENGR 4153 - Vibration**

This course introduces free and forced vibrations of single-degree-of-freedom and multiple-degree-of-freedom mechanical systems. This course also covers the vibration of continuous systems. Prerequisite(s): ENGR 2043 and MATH 3103 both with a minimum grade of "C" and PHY 3883 or concurrent enrollment in PHY 3883. Junior or senior standing.

**ENGR 4183 - Electromagnetic Fields II**

This course presents the application of Maxwell's equations to time-varying electromagnetic fields, electromagnetic waves, radiation, diffraction, the electromagnetic theory of light, and antenna design. Prerequisite(s): ENGR 3183 with a minimum grade of "C".

**ENGR 4203 - Refrig & Air Conditioning**

This course will enable students to apply advanced thermodynamics and thermo-fluid principles to design and analyze refrigeration and air conditioning processes in engineering systems. Topics in refrigeration include analysis of vapor compression, vapor absorption and air cycle refrigeration systems, selection of refrigerants, refrigeration equipment, low temperature applications, and control and safety devices in refrigeration systems. Topics in air conditioning include cooling load calculations, psychometric analysis, air distribution and duct system design, air conditioning equipment and control systems. Prerequisite(s): ENGR 3203, ENGR 3443, and (ENGR 4123 or concurrent enrollment in ENGR 4123). Senior standing or above.

**ENGR 4263 - Engineering Optics**

This course provides advanced topics in geometrical and physical optics. Topical coverage includes reflection, refraction, mirrors, lenses, interference, diffraction, polarization, coherence, and the design of optical instruction. Prerequisite(s): PHY 2114 and junior standing or above.

**ENGR 4303 - Control Systems**

This course focuses on linear, non-linear, and discrete automatic control systems; feedback control; system robustness and stability; and classical and modern control theories. Prerequisite(s): ENGR 3323 with a minimum grade of "C".

**ENGR 4313 - Fluid Dynamics**

The fundamental equations and solution methods of fluid dynamics are presented with particular attention to solving the Navier-Stokes equation. Topics covered will include mass conservation, momentum and energy equations, potential flow, incompressible and compressible flows, viscous flow, similarity and dimensional analysis, boundary layer theory, vorticity, and turbulent flow. Prerequisite(s): ENGR 3443 and MATH 3103 with a minimum grade of "C".

**ENGR 4323 - Digital & Analog Communication**

This course addresses selected theoretical and practical aspects of digital and analog communications systems such as amplitude modulation, frequency modulation, pulse code modulation, and multiplexing. It develops the engineering mathematics and techniques to describe the physical transmission of information over point-to-point links, taking account of channel characteristics and the presence of noise and distortion. Prerequisite(s): ENGR 3323 with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

**ENGR 4333 - Digital Signal Processing**

This course provides an introduction of the theory and application of fundamental digital signal processing techniques. The topics include: discrete signals and systems, z-transform, discrete Fourier transform and related discrete-time orthogonal transform and related fast al-

gorithms; and IIR and FIR filter design techniques and realizations.

Prerequisite(s): ENGR 3323 with a minimum grade of "C". Concurrent enrollment in ENGR 4351 is required. Admission into the Engineering and Physics Upper Division is required.

**ENGR 4351 - Digital Signal Processing Lab**

This laboratory course comprises the laboratory component of ENGR 4333. Laboratory experiments emphasize digital signal processing algorithms and related applications on digital signal processors. Prerequisite(s): ENGR 3323 and ENGR 3331 with senior standing or above. Enrollment open to Biomedical Engineering, Electrical Engineering, Mechanical Engineering and Engineering Physics majors only.

**ENGR 4533 - Thermal Systems Design**

This course develops the concepts and methodology of system design, energy analysis, and optimization applied to thermal-fluid systems. Topics include simulation of systems in which the system components are known and system parameters such as flow, temperature, and pressure are to be determined and design of systems involving the selection of right type, size and combinations of equipment to optimize system performance. A discussion of engineering ethics and economics relevant to design topics covered is included in this course. Prerequisite(s): ENGR 3443 and MATH 3103 with a minimum grade of "C". Admission into the Engineering and Physics Upper Division is required.

**ENGR 4613 - Photonics**

This course is designed to cover topics with engineering application in photonics. Topics covered in this course include wave optics, interference, guided wave optics, fiber optics, polarization optics, optics of anisotropic media, optical Fourier transform, diffraction of light, and image formation. Prerequisite(s): PHY 3103 and ENGR 4263 with a minimum grade of "C".

**ENGR 4633 - Solid State Devices**

This course presents the physical principles of operation of the p-n junction, metal semiconductor contact, bipolar junction transistor, MOS capacitor, MOS and junction field-effect transistors, and related electro-optical devices. First-order device models reflecting the underlying physical principles are developed. Prerequisite(s): PHY 3103, PHY 3183, and ENGR 3403 all with a minimum grade of "C".

**ENGR 4803 - Mechatronics & Laboratory**

This course will introduce: design, optimization, and control of electromechanical and mechatronic systems; dynamic analysis, modeling, and simulation of electric machines; power electronics and sensors; application of advanced software and hardware in mechatronic systems design. Prerequisite(s): ENGR 3323 and 3331 with a minimum grade of "C". Concurrent enrollment in ENGR 4803L is required. Admission into the Engineering and Physics Upper Division is required.

**ENGR 4803L - Mechatronics Laboratory**

This course comprises the laboratory component of ENGR 4803. Experiments and computer simulations are designed to reinforce the concepts covered in the lecture course and to equip students with the basic skills associated with the designs, simulations and analyses of electromechanical systems and mechatronics devices. Prerequisite(s): Concurrent enrollment in ENGR 4803 is required.

**ENGR 4852 - EP Senior Engineering Design I**

Through discussions with the course instructor, faculty members, and industry liaisons, students will determine a design-related engineering problem they wish to study. A detailed written project proposal will be submitted and approved by the chosen faculty project director. Working as a member of a design team, students will apply the design process by developing projects from the proposal stage to the test, evaluation, and implementation stages. Students majoring in Engineering Physics are expected to follow this course with ENGR 4892 Senior Engineering Design II. Prerequisite(s): ENGR 3303 with senior standing. Enrollment open to Engineering Physics majors only.



**ENGR 4862 - ME Senior Engineering Design I**

Through discussions with the course instructor, faculty members, and industry liaisons, students will determine a design-related engineering problem they wish to study. A detailed written project proposal will be submitted and approved by the chosen faculty project director. Working as a member of a design team, students will apply the design process by developing projects from the proposal stage to the test, evaluation, and implementation stages. Students majoring in Mechanical Engineering are expected to follow this course with ENGR 4892 Senior Engineering Design II. Prerequisite(s): ENGR 3303, ENGR 3363, ENGR 4533, and (ENGR 4803 or concurrent enrollment in ENGR 4803). Senior standing. Enrollment open to Mechanical Engineering majors only.

**ENGR 4872 - EE Senior Engineering Design I**

Through discussions with the course instructor, faculty members, and industry liaisons, students will determine a design-related engineering problem they wish to study. A detailed written project proposal will be submitted and approved by the chosen faculty project director. Working as a member of a design team, students will apply the design process by developing projects from the proposal stage to the test, evaluation, and implementation stages. Students majoring in Electrical Engineering are expected to follow this course with ENGR 4892 Senior Engineering Design II. Prerequisite(s): ENGR 3303, ENGR 3403, ENGR 3323, and ENGR 3223 with senior standing. Enrollment open to Electrical Engineering majors only.

**ENGR 4882 - Senior Engineering Design I**

Through discussions with the course instructor and other faculty members, students will determine a design-related engineering problem they wish to study. A detailed written project proposal will be submitted and approved by the chosen faculty project director. Working as individuals or in teams, students will apply the design process by developing projects from the proposal stage to the test, evaluation, and implementation stages. Students are expected to follow this course with ENGR 4892 Senior Engineering Design II. Prerequisite(s): (ENGR 3303 or ENGR 3302), written permission required and senior standing. Admission into the Engineering Physics and Biomedical Engineering programs is required.

**ENGR 4892 - Senior Engineering Design II**

This course is a continuation of Senior Engineering Design I course. Prerequisite(s): BME 4882 or ENGR 4852 or ENGR 4862 or ENGR 4872 or ENGR 4882 and senior standing.

**ENGR 4900 - Practicum In Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ENGR 4910 - Seminar In Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ENGR 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ENGR 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ENGR 4950 - Internship In Engineering**

Credit will vary from 1 to 8 hours.

**ENGR 4960 - Institute In Engineering**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**ENGR 4970 - Study Tour In Engineering**

Credit will vary. Subject matter will vary within the department's field of study.

**ENTREPRENEURSHIP (ENTR)****Department of Management****ENTR 2000 - Topics in Entrepreneurship**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**ENTR 3000 - Workshop in Entrepreneurship**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ENTR 3013 - The Individual Entrepreneur**

This course introduces the concepts of entrepreneurial creativity, motivation and risk-taking. Students draw upon the inspired thinking and entrepreneurial pursuits of leaders in a variety of disciplines in order to understand the process of innovation and appreciate the role of creativity in making innovation possible. Emphasizing the development of the student's own entrepreneurial creativity and ability to innovate, the experiential and reflective activities in this course encourage students to explore their potential as passionate agents of change - in their own lives and in society. Prerequisite(s): ENTR 3203.

**ENTR 3203 - Entrepreneurs: Startup Now**

This course is an introductory study of the innovation mindset and startups. While the innovation mindset will be examined, emphasis will be on the understanding the issues of new ventures and developing the mindset and skills required to have the self-confidence to collaborate with peers, develop innovations and new products, and launch sustainable and scalable startups. The lessons presented in this class will expose students to new startup opportunities available in the changing social and technological environment. Prerequisite(s): Sophomore standing or above.

**ENTR 3213 - Innovation and Creativity**

This course introduces the concepts of innovation and creativity. Students draw upon the inspired thinking and pursuits of venture innovators in a variety of disciplines to understand the process of innovation and appreciate the role of creativity in making innovation possible. Emphasizing the development of the student's own creativity and ability to innovate, the experiential and reflective activities in this course encourage students to explore their potential as passionate agents of change - in their own lives and in society. Prerequisite(s): Sophomore standing or above.

**ENTR 3223 - Innovation and Creating Wealth**

This course explores various perspectives to ground the student's understanding of creativity and innovation in relation to invention, intellectual property, entrepreneurship, and the creation of wealth. Using lecture, case studies and exploratory outings, the creative process as the foundation of invention will be examined, especially as it drives innovation. The realization of value through the construction and licensing of intellectual property, particularly patents that protect inventions and trademarks as brands, will be explored. An overview of patents, trademarks, copyrights, and trade secrets will be provided and discussed in relation to their impact on enterprise value. The present course will introduce strategies and methods for creating wealth through formation, monetization, and commercialization of intellectual property. The perspectives of independent inventors and startup enterprises will be addressed. Prerequisite(s): Junior or senior standing.

**ENTR 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ENTR 4023 - Corporate Entrepreneurship**

This course investigates entrepreneurship of established companies, or what is otherwise known as employee intrapreneurship. Students will learn some of the emerging theories and practices of entrepreneurship and apply them to a corporate setting. Instructions of how to establish corporate entrepreneurial vision, strategy, and direction are included. Students discuss methods for relating intrapreneurship to other functions such as human resource management, new product development, research and development, and corporate venturing. This course is also designed to develop an understanding of the scope and complexity of the issues related to fostering and developing innovation and entrepreneurial endeavors within established enterprises, including the corporation. Topics to be examined include the challenges and opportunities for both employees and senior leaders in creating and maintaining a culture that fosters both intrapreneurial endeavors and corporate entrepreneurship. Prerequisite(s): ENTR 3203 or concurrent enrollment in ENTR 3203. Junior or senior standing.

**ENTR 4033 - Social Entrepreneurship**

Social entrepreneurship is a relatively new form of business venture where business and non-profit leaders design, grow, and lead mission-driven enterprises. This course is for students who are currently leading or aspiring to lead a social venture. Students will gain knowledge, analytical competence, and leadership skills necessary for social entrepreneurship through discussion, case studies, guest speakers, site visits, and research, culminating in student presentations and a business plan. The course is interactive and experiential and assumes students are highly motivated. The course explores current thoughts and trends in the emerging field of social entrepreneurship, examines social systems, and looks at examples of successful and not-so-successful social entrepreneurial ventures. Prerequisite(s): ENTR 3203. Junior or senior standing.

**ENTR 4043 - Technology Entrepreneurship**

This course introduces the fundamentals of technology entrepreneurship. Students will learn about various processes employed by technology entrepreneurs to launch business ventures. The entrepreneurial processes include: conceiving a technology idea, identifying a high-potential commercial opportunity, accumulating tangible and intangible resources (e.g., talent and capital), developing a plan to sell and market the idea, and managing rapid growth of the start-up. The course will address the operational details of developing new products or processes, managing R&D, developing business plans, obtaining venture financing, or developing marketing plans for high-tech environments. To gain practical experience alongside the theory, students will form teams and work on startup projects in those teams. Prerequisite(s): ENTR 3203. Junior or senior standing.

**ENTR 4053 - Energy Entrepreneurship**

This course introduces the student to a wide range of considerations regarding entrepreneurship in the energy field. The production, transmission, distribution, and consumption of energy has a great impact on our lives in terms of national security, quality of life, national economics, as well as global and local environmental challenges. Energy is intrinsically linked to the environment and the international challenges of producing and utilizing energy at reasonable cost balanced with appropriate human and environmental concerns. Therefore, it is desirable to produce energy business personnel who understand the energy system at a holistic level, and yet, still retain the appropriate business skills to meet the challenges ahead. Prerequisite(s): ENTR 3203. Junior or senior standing.

**ENTR 4063 - Metropolitan Entrepreneurship**

This course is an examination of entrepreneurial metropolitan ecosystems and business ventures. It provides students with both a theoretical and practical understanding of new venture creation in the metropolitan geography, including the characteristics of the metropolitan entrepreneur and clusters. Students will explore current thoughts and trends in the

development of metropolitan entrepreneurial ecosystems and subsystems. In addition, examples of successful and not-so-successful efforts to grow metropolitan entrepreneurial ecosystems and individual ventures will be analyzed. In a final project, students develop economic development plans for metropolitan areas. Prerequisite(s): ENTR 3203. Junior or senior standing.

**ENTR 4073 - International Entrepreneurship**

This course investigates the role of the entrepreneur in creating new international business ventures. The course provides students with both a theoretical and practical understanding of new venture creation in the global marketplace, including extensions of domestic enterprises and new enterprises. Students will learn current thoughts and trends in the emerging fields of international entrepreneurship. Students will also analyze examples of successful and not-so-successful international entrepreneurial organizations. Subsequently, students are expected to develop business plans for new international enterprises. Prerequisite(s): ENTR 3203. Junior or senior standing.

**ENTR 4233 - Idea to Opportunity**

This course evaluates idea assessment, market and competitive analysis, trends, distribution systems, and customer needs to determine if launching a business is feasible. Assessments are made across industries, including retail, manufacturing, distribution, services, and technology. The course presents tools and techniques for evaluation and assessment of opportunities for new businesses. Subsequently, business modeling and opportunity valuation will be the focus of this course. Overall, this course provides the foundation for writing a business plan. Prerequisite(s): ENTR 3203 or concurrent enrollment in ENTR 3203 and ENTR 3213.

**ENTR 4243 - Venture Scaling and Finance**

In this course, the venture ideas that students developed in ENTR 3203 and ENTR 4233 will continue to be evolved through to the early growth phase of the venture life cycle. In this course the focus will be on topics such as management, marketing, sales, financials, next levels of fundraising, management team and founder as leader, and other topics related to bringing ventures to fruition. In addition, the reasons businesses typically fail will be analyzed. Students will be able to update and present a solid business plan for an existing enterprise. Areas covered will include identifying and assessing opportunities for business expansion, developing a winning strategy, identifying resource requirements and selling the plan to financing sources. Students interact with entrepreneurs, suppliers, customers, and experts in order to scale a new venture as it becomes more viable. Prerequisite(s): ENTR 3203, ENTR 3213, (ENTR 3223 or concurrent enrollment in ENTR 3223), (ENTR 4233 or concurrent enrollment in ENTR 4233).

**ENTR 4353 - Venture Launch**

In this course students will be immersed in the issues encountered by entrepreneurs while starting a new venture. They will be challenged to evaluate and build upon the opportunities they developed in prerequisite courses by considering industry, market and product research through the lens of the execution phase of the start-up venture life cycle. Students will work in teams and develop a business plan and prepare a venture presentation suitable for competition or obtaining investor funding. Contingency strategies will be developed as necessary after students receive feedback on progress and viability. Prerequisite(s): Junior standing or above.

**ENTR 4553 - New Venture Presentation**

This is an experiential learning course where students will apply what they have learned in other entrepreneurship and business courses. Students will work in teams and develop a business plan, prepare a presentation, and compete in a state or national business plan competition before actual inventors as judges. This course allows students to put into practice everything they have learned about starting and funding a

new business venture. Prerequisite(s): ENTR 3203, ENTR 3213, ENTR 3223 and ENTR 4233.

#### **ENTR 4900 - Practicum in Entrepreneurship**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ENTR 4910 - Seminar in Entrepreneurship**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ENTR 4920 - Workshop in Entrepreneurship**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **ENTR 4930 - Individual Study in Entrepreneurship**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ENTR 4940 - Field Study in Entrepreneurship**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ENTR 4950 - Internship in Entrepreneurship**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **ENTR 4960 - Institute in Entrepreneurship**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **ENTR 4970 - Study Tour in Entrepreneurship**

Credit will vary. Subject matter will vary within the department's field of study.

### **FAMILY AND CONSUMER SCIENCE EDUCATION (FACS)**

#### **Department of Adult Education & Safety Sciences**

#### **FACS 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FACS 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **FACS 3633 - Problems Of Today's Consumer**

This course presents the economic aspects of purchasing for the consumer, including consumer credit, protective agencies, principles of consumer choice, consumer services, and the family as a center for consumer education.

#### **FACS 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FACS 4123 - The Clothing/Textile Consumer**

This course examines the effects of economic, social, and marketing factors on the clothing consumption process. Legislative and quality issues related to clothing and textiles will be discussed. Prerequisite(s): Junior or senior standing.

#### **FACS 4143 - Consumer Food/Sfty Principles**

This course is designed to: address the basics of effective food preparation practices; clarify food selection considerations; to classify levels of quality in food products; and to identify safety, personal hygiene, and

sanitary work procedures required in preventing food-borne illnesses. Prerequisite(s): Junior or senior standing.

#### **FACS 4223 - Fundamentals of Hospitality & Tourism**

This course is designed to offer a foundation of knowledge about the hospitality and tourism industry and its importance to global economic and social vitality. It will also inform students about employment opportunities in the hospitality and tourism industry such as in hotels, restaurants, resorts, casinos, convention centers, healthcare and corporate dining facilities, educational institutions and other commercial and noncommercial settings. Prerequisite(s): Junior or senior standing.

#### **FACS 4323 - Parenting Skills Education**

This course is designed to provide theories, principles, and skills essential for parents and professionals in guiding children within the family system. Stages of parenthood are identified and problem prevention techniques are stressed, as well as practical skills for working with children. Prerequisite(s): Junior standing or above.

#### **FACS 4453 - Consumer Management**

This course is designed to provide a framework for examining the key areas of personal and family financial decision-making and goal setting, consumer issues, decisions and the relationship of resource allocation for the family throughout the life cycle.

#### **FACS 4513 - Family Resource Management**

This course is the study of effective management concerning values and goals as reflected in decision-making about personal and family resources. Prerequisite(s): Junior standing or above.

#### **FACS 4573 - Career Education**

This course is designed to provide the student with skills to balance career and personal life when making career decisions, to become skilled in the use of career information resources, to acquire job seeking skills and to understand the nature of the changing labor market. Prerequisite(s): Junior or senior standing.

#### **FACS 4753 - Program Development**

This class is designed to provide family and consumer science education majors with knowledge and skills needed for developing a vocational family and consumer science program.

#### **FACS 4853 - Methods Of Teaching**

This course will focus on understanding diverse learners, developing relevant instructional plans and presentation skills using a variety of techniques, media, and technology.

#### **FACS 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FACS 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FACS 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **FACS 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FACS 4950 - Internship**

Credit will vary from 1 to 8 hours.

#### **FACS 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**FACS 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**FINANCE (FIN)  
Department of Finance**

**FIN 2000 - Topics In Finance**

Credit will vary from 1 to 4 hours. Consists of selected topics of finance nature, each taught by a member of the finance staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

**FIN 2313 - Personal Finance**

A survey of the field of personal financial management with major emphasis on problems of budgeting, insurance, bank services, credit usage, and investing.

**FIN 3000 - Workshop In Finance**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FIN 3113 - Credit & Collections**

This is a comprehensive course in the analysis and management of both consumer and commercial credit. One of the main objectives is to prepare both general managers and credit managers in obtaining and interpreting the information required for credit decisions. The course also includes up-to-date coverage of both federal and state credit laws. Prerequisite(s): ACCT 2113.

**FIN 3413 - Real Estate Principles**

Methods and practices of operating real estate agencies; conveyance of title, leases, mortgages, liens, contracts to buy or sell; methods of financing; zoning laws, subdividing, developing, agency management; appraisal practices.

**FIN 3423 - Real Estate Practice**

Continuation of real estate principles with emphasis on practical and operational problems of the broker. Among topics covered will be listings, advertising, sales training, property valuation, property management, office management and closings. Prerequisite(s): FIN 3413.

**FIN 3443 - Real Estate Appraising**

The theory and application of appraising the value of homes, apartment houses, commercial properties, industrial properties, and raw land.

**FIN 3453 - Real Estate Finance**

Methods of financing all types of real estate, sources of funds, analysis of mortgage risks, FHA, underwriting, influences of governmental agencies. Prerequisite(s): ACCT 2133.

**FIN 3473 - Real Property Management**

Developing, executing and evaluating comprehensive plans for the management of various kinds of real estate including: office buildings, industrial properties, hotels, store property, conventional housing; handling tenant credit and collections; dealing with maintenance problems; maintaining records and accounting.

**FIN 3513 - Risk Management For The Firm**

This course presents a comprehensive study of the underlying principles of the risk management process for businesses. The course is designed to provide students with the skills necessary to identify and analyze business loss exposures. Emphasis is placed on the problems that arise from events such as liability lawsuits or natural disasters. Among topics covered are various risk financing and risk control techniques including loss control, self insurance, captives, and insurance.

**FIN 3523 - Foundations of Insurance and Risk Management**

This course introduces the concept of insurable risk, the foundations of the risk management process, and the viability of insurance as a risk management solution. The student will become familiar with the basic concepts of risk and insurance, introductory topics in risk management, legal principles, property and liability insurance, life and health insurance, employee benefits, social insurance company operations.

**FIN 3553 - Property And Liability Insurance For The Firm**

This course examines the fundamental principles and uses of property and liability insurance. Covered topics include traditional and modern theories of risk, the economic institution of insurance, property and liability coverages, and functional insurance areas. Attention is devoted to the role of property and liability insurance in addressing the economic and social problems encountered by businesses. This course replaces FIN 3533 and FIN 3543. Prerequisite(s): FIN 3523.

**FIN 3563 - Fundamentals Of Business Finance**

This is an introductory-level course in financial management with emphasis on the theoretical concepts, methods, and problems of financing the various types of business firms. Prerequisite(s): ECON 2103, MATH 2053, ACCT 2113, ACCT 2133, ECON 2173 and ECON 2203.

**FIN 3603 - Financial Statement Analysis**

Techniques and principles in the detailed analysis of accounting statements from the viewpoint of lenders, investors, or the financial managers of the firm. Not open to accounting majors. Prerequisite(s): FIN 3563.

**FIN 3613 - Life and Health Insurance**

Analysis of insurance contracts, insurance carriers and insurance programming. Also covers life insurance annuities, group insurance, pension plans and business uses of life insurance. Prerequisite(s): FIN 3523.

**FIN 3703 - Retirement Planning**

This course deals with retirement planning for individuals, including a study of corporate and individual retirement plans, integration of government benefits, retirement forecasts, investment management during retirement, income distribution needs, and identifying individuals' retirement objectives. Prerequisite(s): Junior or senior standing.

**FIN 3990 - Advanced Topics In Finance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FIN 4123 - Consulting In The Real Environment**

This course is an interactive, hands-on application of knowledge gained through the student's business degree program. Student teams work with an assigned business in the community and offer recommendations that resolve business problem areas as defined by the client. Students must have a private source of transportation. Credit may be earned in only one course from FIN 4123, MRKT 4123, MGMT 4123. Prerequisite(s): Open to senior business majors. ACCT 2113, 2133, BCOM 3143, ECON 2103, 2203, FIN 3563, MGMT 3103, MRKT 3013.

**FIN 4213 - Investments**

Survey of various investment media; planning sound investment programs; sources of investment information. Prerequisite(s): FIN 3563.

**FIN 4243 - Commercial Bank Management**

An introductory-level course designed to acquaint the student with the various problems, practice theories, and concepts relating to the management and operation of commercial bank. Prerequisite(s): FIN 3563.

**FIN 4253 - Intermediate Business Finance**

A study of the finance function in the business firm with emphasis upon the application of financial theories and concepts to realistic business situations. The course stresses problem solving, case studies, and the development of necessary analytical skills related to the financing of the business firm. Prerequisite(s): FIN 3563.

**FIN 4263 - Small Business Finance**

An introductory-level course emphasizing the theories, concepts, problems, and practices relating to the financing of the small business firm. Prerequisite(s): FIN 3563.

**FIN 4273 - International Finance**

An introductory-level course designed to acquaint the student with the theories, concepts, problems, and practices encountered in the financing of the multinational business firm. Prerequisite(s): Junior standing.

**FIN 4283 - Capital Budgeting**

An introductory-level course designed to explore both the theoretical foundations and the practice application of the various techniques used in analyzing the long-term investment alternatives of the business firm. Prerequisite(s): FIN 3563.

**FIN 4333 - Derivative Securities**

A study of various derivative securities traded in current financial markets. The course introduces the characteristics of various derivatives (e.g., put options, call options, futures contracts, and swaps) and demonstrates their use in investing and portfolio management. The course includes lectures, case discussions, computer analysis, and contemporary readings. Prerequisite(s): FIN 4213.

**FIN 4343 - Security Analysis**

Procedures and principles used in the building and maintaining of investment portfolios for the individual investor. Prerequisite(s): FIN 4213.

**FIN 4353 - Case/Computer Applications In Finance**

A case approach to solving business finance problems, both practical and theoretical, using the computer as a tool for analysis. Prerequisite(s): FIN 3563.

**FIN 4363 - Contemporary Problems In Finance**

A course designed to increase the practical knowledge of the problems faced by the financial managers of modern business firms. Textbook theories and current events are discussed, case analyses and oral presentations are also required. Prerequisite(s): Junior standing.

**FIN 4373 - Advanced Real Estate Appraisal**

To provide students with an advanced study of real estate appraisal by covering the entire valuation process. The sales comparison approach to value and the cost approach to value are treated in depth. The fundamentals of the income capitalization approach to value are introduced using simple direct capitalization techniques. Prerequisite(s): FIN 3443; junior standing.

**FIN 4383 - Real Estate Investment**

This course is designed to give the student the necessary academic background to make proper real estate investment decisions. Topics to be covered include: the characteristics of residential, commercial, and individual investment properties and securities, the various risks encountered by the investor and profitability prospects and measurements.

**FIN 4403 - Commercial Credit Risk Analysis**

This course will use case studies to incorporate a myriad of essential loan underwriting topics. Topics include financial statement analysis, credit risk, loan types, business tax returns, and liquidity of assets. This course meets the Risk Management Association certification requirements. Prerequisite(s): FIN 3563; junior standing.

**FIN 4413 - Financial Institutions**

An analysis of the operations, management, and financing problems of the various financial institutions of the United States. Credit cannot be earned for both FIN 4413 and ECON 3103. Prerequisite(s): FIN 3563.

**FIN 4423 - Employee Benefit Planning**

This course examines the approaches to protecting employees' financial security from the perspective of businesses by studying the basic concepts and managerial considerations underlying the group insurance

mechanism for providing life, health, disability, and retirement plans. Topics covered include the theory and practice regarding employee benefits plan design, administration, cost, funding, regulation and tax considerations. Prerequisite(s): Junior or above standing.

**FIN 4433 - Case Studies in Financial Plan**

This course uses case studies to integrate the various areas of financial planning in the development of comprehensive financial plans. Regulations, certification, ethical, and professional responsibility issues are examined. Prerequisite(s): FIN 3523, FIN 4213, LS 4323 (or concurrent enrollment), and FIN 4423 with junior or senior standing.

**FIN 4513 - Public Sector Risk Management**

This course is designed to explore the unique aspects of risk management from the perspective of the public entity. Topics covered will include risk identification, management, and control from the perspective of the public entity. Issues such as pooling for risk financing, managing distinctive liability, claims and litigation, establishment of risk management programs, disaster planning, and emergency response will be covered. Prerequisite(s): Junior standing or above.

**FIN 4523 - Risk Control for the Firm**

This course lays the foundation for developing a risk control program for the firm. Topics covered include planning for and controlling fire losses, protecting the health and safety of human resources, managing employee rehabilitation, loss control systems, motivating, monitoring risk control activities, including cost benefit analysis of various risk control programs and forecasting changes in projected losses from various risk control programs. This course is designed to help prepare the student for the AICPCU series 55 exam in risk control. Prerequisite(s): Junior standing or above.

**FIN 4533 - Risk Financing for the Firm**

This course lays the foundation for developing a risk financing program for the firm. In this course insurance as a risk financing technique is examined, issues of excess liability are considered, self insurance, reinsurance, and captive insurance, and retrospectively rated plans are explored as risk financing techniques. Finite and integrated risk insurance plans are examined as well as capital market products such as futures and derivatives and their value as risk financing techniques are developed. This course is designed to help prepare students for the AICPCU series 56 exam in risk financing. Prerequisite(s): Junior standing or above.

**FIN 4613 - Financial History**

This course covers the historical development of money and financial institutions and markets in the United States and from an international comparative context. Coverage includes monetary theory, central banking and securities markets, insurance markets, and a discussion of governmental finance and the emergence of the corporation as the dominant business form. The class includes an analysis of historic financial crisis and speculative excesses along with the behavioral finance implications of such events. Prerequisite(s): Junior standing or above.

**FIN 4900 - Practicum In Finance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FIN 4910 - Seminar In Finance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FIN 4920 - Workshop In Finance**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FIN 4930 - Individual Study In Finance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FIN 4940 - Field Study In Finance**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**FIN 4950 - Internship In Finance**

Credit will vary from 1 to 8 hours.

**FIN 4960 - Institute In Finance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FIN 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**FOREIGN LANGUAGE (FLGN)****Department of Modern Languages, Literature & Cultural Studies****FLGN 2000 - Topics In Foreign Language**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FLGN 3000 - Workshop In Foreign Language**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FLGN 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FLGN 4103 - Literature Of French/Hispanic Caribbean**

This course provides an introduction to French and Hispanic Caribbean literary movements. Texts are available in original French and/or Spanish, and also in English translation. Concepts introduced include colonial independence and patriotism, negritude, social injustice, and spirituality of santeria and voodoo, among others. Prerequisite(s): Seventeen hours in a language (French or Spanish).

**FLGN 4843 - Methods Of Teaching Foreign Languages**

Prerequisite(s): ENG 1113, ENG 1213 and 17 hours of the language in which certification is being sought.

**FLGN 4910 - Seminar In Foreign Language**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit. Prerequisite(s): ENG 1113 and ENG 1213.

**FLGN 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FLGN 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FLGN 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**FLGN 4950 - Internship In Foreign Language**

Credit will vary from 1 to 8 hours.

**FLGN 4960 - Institute In Foreign Language**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**FLGN 4970 - Study Tour In Foreign Language**

Credit will vary. Subject matter will vary within the department's field of study.

**FAMILY AND CHILD DEVELOPMENT (FMCD)****Department of Human Environmental Science****FMCD 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FMCD 2213 - Child Development**

This course is a systematic study of child growth and development from conception through adolescence. This course examines the major physical, psychosocial, and cognitive/language developmental milestones. The course's emphasis will be on child development within family, social and cultural context. There will be an emphasis on developmental theory, methods of child study, and practical implications.

**FMCD 2223 - Marriage**

This course examines the role of men and women in present day society with engagement and marriage relationships. The class is open to freshmen and sophomores. It is especially recommended to fulfill university core curriculum requirements.

**FMCD 2313 - Sex Through The Life Span**

This course will focus on the understanding of human sexuality from behavioral, cultural, and psychological perspectives. This course will include anatomy, physiology, and sexual behaviors with an emphasis on healthy sexual adjustment throughout the life span. This course is replaced by FMCD 2312.

**FMCD 2453 - Social Gerontology/Field Study**

Students will explore human aging in a broad sociocultural context. Course emphasis will be on the historical, philosophical, and demographic aspects of aging, theories of social gerontology, and attitudes toward aging and the aged. Cross cultural perspectives on aging, the sociology of retirement, and aging in the community will be researched. Students will have a 25 hour field study experience in this course.

**FMCD 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FMCD 3013 - Intro to Family Life Education**

This is an introduction course into the major area of study in Family Life Education (FLE). Professional organizations, leadership, child and family advocacy, research in the FLE field and FLE career opportunities will be investigated. Ethical codes of conduct, available certifications, and professional development will be addressed. Prerequisite(s): Enrollment open to freshmen, sophomore and junior Family Life Education majors only.

**FMCD 3093 - Middle Childhood Development/Field Study**

This course involves the study the normal growth and development of children between the ages of six and twelve years. The characteristics of school age children in the following areas will be studied: physical, cognitive, and psychosocial. Field experience in professional services is required within an agency that is involved with intervention, prevention, advocates for, and/or educates school-age children or parents with school-age children. Prerequisite(s): FMCD 2213. Enrollment open to child development or marriage and family majors only. Sophomore, junior, or senior standing.

**FMCD 3243 - Adolescent Development/Field Study**

This course is a study of the growth and development of the child beginning at the age of 12 years. Physical, cognitive, and social development

will be examined. Special issues in adolescence will also be studied such as family relations, peer relations, and school issues through class discussion and field experience. Prerequisite(s): FMCD 2213. Enrollment open to child development or marriage and family majors only. Sophomore, junior, or senior standing.

### **FMCD 3313 - Guidance Of The Young Child**

Upon completion of the course, the student will gain an understanding of a developmentally appropriate, diverse, and inclusive environment and developmentally appropriate guidance techniques. The student will use developmentally appropriate guidance techniques with children ages 3, 4, and 5 years through observing teachers and through playing with children during scheduled lab hours. Prerequisite(s): FMCD 2213 or PTE 3133. Enrollment open to Child Development, Family Life Education (graduate) and Early Childhood Education majors with junior standing or above.

### **FMCD 3423 - Aging & Adult Development**

This course is a study of the dynamic processes of adult development based on research and theory including the physical, emotional, and social development of the aging process. Prerequisite(s): Sophomore standing or above. Enrollment open to Family Life Education majors only.

### **FMCD 3723 - Infancy/Early Childhood Development/Field Study**

This course is an intensive study of human development from birth to 5 years of age with the context of the family, culture and community. The course focus is the examination of developmental theory within integration of physical, cognitive, language, social and emotional domains emphasizing the importance of relationships. Field experience is required. Prerequisite(s): FMCD 2213. Enrollment open to child development or marriage and family majors only. Sophomore, junior, or senior standing.

### **FMCD 3813 - Developing Assessment And Evaluation**

This course will explore developmentally appropriate measures designed to assess young children. This course will focus on appropriate use of assessment and observation strategies to document development, growth, and learning to join with families and professionals in promoting children's success. Recording strategies, multiple assessment tools, and formal screenings will be utilized. Other topics such as ethics, family assessment, utilization of assessment results and program assessment will be introduced. Prerequisite(s): FMCD 2213 and junior standing.

### **FMCD 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **FMCD 4002 - Case Management**

This course covers principles, practices and issues in case management. The course will increase self-awareness and familiarize students with the concepts and skills required to work with clients in a case management role. Prerequisite(s): Junior or senior standing. Enrollment open to Family Life Education majors only.

### **FMCD 4122 - Early Intrv w/Infant & Toddler**

This course examines recommended practices for infants and toddlers with special needs. An overview of special populations served in early intervention along with the structuring of a transdisciplinary approach to meet the need of children and families will be provided. Prerequisite(s): FMCD 2213 and sophomore standing or above. Enrollment open to Family Life Education-Child Development and Marriage and Family majors only.

### **FMCD 4253 - Administration Of Professional Services/FLE**

This course will develop the knowledge and skills necessary to manage and/or direct a child care facility. This course includes policy making, budgeting, personnel management, evaluation, staff development, facilities and equipment, regulations, and parent relations. This course replaces FMCD 4252. Prerequisite(s): FMCD 2213, 9 hours child de-

velopment or early childhood and 6 hours related field. Enrollment open to Family Life Education majors only. Junior or senior standing.

### **FMCD 4333 - Current Issues In Family Diversity**

Current Issues in Family Diversity will expand students' awareness of cultural variations within families. The areas of kinship, family organization, traditions, interpersonal relationships, parenting practices, values and beliefs, and prejudice will be the focus for the class. Prerequisite(s): Enrollment open to Family Life Education majors only. Junior or senior standing.

### **FMCD 4413 - Families and Society**

This course focuses on the diverse factors which connect the child, family, school, and community contexts. Students will gain an understanding of the role of the family professional in supporting evidence-based practices that strengthen respectful, collaborative family/child partnerships through effective use of community and family resources.

### **FMCD 4433 - Policies/Programs For Older Adults**

Policies and Programs for Older Adults is designed to provide students with an overview of gerontology with an emphasis on principles of practice, application of research, and the formulation of policies as they relate to older adults. The course will identify and describe programs designed especially for older adults. Prerequisite(s): Junior or senior standing.

### **FMCD 4513 - Family Law And Public Policy**

This course is a general survey of government programs and policies that impact on the family. Course topics include child care, aging, legal aspects of family life, mental health, generational equity, family violence, income maintenance, and family impact analysis. Students will be encouraged to critique past and current policies as well as develop a research policy agenda for the future. Prerequisite(s): Junior or senior standing. Enrollment open to Family Life Education majors only.

### **FMCD 4713 - Parent Support & Intervention**

This course is an in-depth study of programs that facilitate parent education. The history of parent education programs, group dynamics, and community and home-based parent education programs will be studied. Parent support and intervention program evaluation and screening tools will be investigated. Prerequisite(s): Junior or senior standing. Enrollment open to Family Life Education majors only.

### **FMCD 4773 - Introduction to Child Life**

This course is designed to allow students interested in Child Life to acquire some of the fundamental skills in helping children and families cope with the stress of a health care experience. This course will provide an introduction to Child Life programs and how these programs strive to promote optimum development of children, adolescents and families, to maintain normal living patterns, and to minimize psychological trauma. Child Life specialists, as members of the health-care team, maintain, enhance, and maximize normal growth and development through play, education, advocacy, and therapeutic interventions. Prerequisite(s): FMCD 2213, FMCD 3093, FMCD 3313, FMCD 3723, FMCD 3813, and FMCD 4874. Junior or senior standing. Enrollment open to Family Life Education majors only.

### **FMCD 4874 - Play, Curriculum And Program Development**

This course will explore developmentally and culturally appropriate early childhood education practices, planning educational programs, curricula, instruction, environment, and the Oklahoma Early Childhood guidelines. Curriculum will be reviewed, developed, and integrated with a focus on play for teaching and learning, and child-centered approaches while also demonstrating the benefits of play. The course has special emphasis on the study of play. Areas covered include: theory, research, benefits of play including in hospital settings and adult role in facilitation of play. Prerequisite(s): Enrollment open to Family Life Education majors only.

**FMCD 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Senior standing, family and child development majors only and written permission of the instructor required.

**FMCD 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FMCD 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FMCD 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FMCD 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**FMCD 4950 - Internship**

Credit will vary from 1 to 8 hours.

**FMCD 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**FMCD 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**FASHION MARKETING (FMKT)****Department of Human Environmental Sciences****FMKT 2000 - Topics In Fashion Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FMKT 2113 - Fashion Marketing**

This course is an introduction of the history, characteristics, operations, practices, and interrelationships of all segments of the fashion industry. Emphasis is placed on how fiber, textiles, apparel producers, and retailers market their products within the industry and to the consumer. This course replaces FMKT 3113.

**FMKT 2203 - Basic Clothing Construction**

This course focuses on the fundamental principles involved in the selection of fabrics, and the construction of a simple garment. The students will also evaluate and compare ready-made garments for quality construction. This course is open to all students regardless of their sewing experience.

**FMKT 2233 - Creative Problem Solving**

This course involves participatory problems in marketing, merchandising, business practices, and design, and includes the critique of proposed solutions as a positive process of evaluation.

**FMKT 2303 - Introduction to Textiles**

This course focuses on the study of textiles, and the factors involved in the selection and purchase of textile materials, which include the identification of fibers, fabrics, weaves, yarns, colors/dyes and finishes.

**FMKT 2313 - Advanced Clothing Construction**

This course will focus on the selection and construction of more difficult garments with special emphasis on fitting and alteration of patterns and garments. Prerequisite(s): FMKT 1203.

**FMKT 2323 - Global Protocol And Diversity**

A course designed to introduce students to global communication concepts stressing diversity as well as the impact of culture on international commerce and public relations. It includes the study of customs, symbolism, protocol and cultural practices of countries the United States currently trades with to enable students to conduct themselves successfully without making cultural blunders. The course explores differences in greetings, surnames, body language, personal appearance, sensitivities, etiquette, cuisine, gift giving, gender awareness, and the values of these trading partners.

**FMKT 3000 - Workshop In Fashion Marketing**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FMKT 3223 - Hard Goods Merchandising**

This course is designed to give a thorough presentation of hard goods merchandising usually found in a department store. Recent developments in new products, synthetics will be treated in detail. Consideration will be given to recent trade commission guidelines. Prerequisite(s): FMKT 2113. This course replaces FMKT 4222.

**FMKT 3233 - Decorative Textiles**

This course is an in-depth study of decorative fabrics used in interior design and apparel fashions. Emphasis is placed on characteristics of symbolism, durability and suitability, and their relationship to design. Prerequisite(s): FMKT 1303 and junior standing. This course replaces FMKT 4232.

**FMKT 3243 - Fashion Advertisement And Promotion**

This course is designed to acquaint the student with a professional approach to information and ideas dealing with fashion promotion. Consideration will be given to the dissemination of fashion news and mass communication techniques through individual store promotion. Students analyze advertisement, displays, publicity and other promotional practices of leading retail firms.

**FMKT 3323 - Fashion Accessories**

This course is an introduction to major areas of fashion merchandise accessories found in a retail store: leather products, furs, shoes, hats, scarves, handbags, hosiery and active wear. Accessories are analyzed in terms of materials, construction and price ranges and acquaints students with the selling techniques used in these merchandise categories. Prerequisite(s): FMKT 2113. This course replaces FMKT 4323.

**FMKT 3453 - Clothing Selection**

A study of art principles applied to personal appearance of clothing for the individual.

**FMKT 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FMKT 4043 - Apparel Entrepreneurship**

This course is designed as an in-depth capstone study in fashion marketing issues, which pulls together the content as well as the format of a well-conceived business plan. Students will research and develop individual business plans for utilizing retail and/or production entrepreneurs. The concepts used to develop and organize the business plan include: market analysis; accounting and control; merchandising and buying; operations and management; and advertising and promotion. Prerequisite(s): FMKT 2113, 3243, 3453 and 4583.

**FMKT 4343 - Image Building For Job Success**

This course is designed to introduce the student to professional opportunities and guide them through the procedures necessary to transition from a student into the professional environment. Specific terminology regarding



relationships, communications, ethics, business and professional etiquette, and the job search process are covered and explored in detail.

#### **FMKT 4423 - Heritage Of Dress**

This is an in depth study of the development of costume and fashion from the ancient Egyptians to present day with an emphasis on interpreting and analyzing current fashion trends from a historical perspective. Prerequisite(s): upper division standing and six hours of history and/or humanities. This course replaces FMKT 4422.

#### **FMKT 4583 - Fashion Buying and Analysis**

This course is designed to equip the fashion marketing student with the facts, skills, and concepts necessary for entry into a management or buying level position. Retail buying, management inventories, and merchandising mathematics will sharpen the students' ability to make decisions based on sound logic. Prerequisite(s): FMKT 2113; junior or senior standing.

#### **FMKT 4621 - Dress for the Professional**

This course is designed to relate one's dress to career demands and successes and to discover an affordable, accomplished, versatile, and professional approach to clothing selection and wardrobe coordination. Designed for both male and female students.

#### **FMKT 4632 - Business/Professional Etiquette**

This course will address situations in the world of business regarding communication, professional dress, networking, as well as, meal/dining etiquette. Students will gain knowledge regarding business etiquette globally that will strengthen their confidence as they enter the world of work, and the business professional will acquire ease in any business situation. Prerequisite(s): Junior or senior standing.

#### **FMKT 4900 - Practicum In Fashion Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FMKT 4910 - Seminar In Fashion Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FMKT 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **FMKT 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FMKT 4940 - Field Study in Fashion Marketing**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **FMKT 4950 - Internship**

Credit will vary from 1 to 8 hours.

#### **FMKT 4960 - Institute In Fashion Marketing**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **FMKT 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

### **FUNERAL SERVICE (FNRL) Department of Funeral Service**

#### **FNRL 1211 - Orientation To Funeral Service**

This course addresses education in the funeral service program, embalming, state boards, and regulations related to the funeral service profes-

sion. Prerequisite(s): Enrollment first semester with declared major of Funeral Service.

#### **FNRL 2000 - Topics In Funeral Service**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **FNRL 2214 - Introduction to Human Anatomy/Dissection**

This course is a study of the basic concepts in human anatomy, function and design through lecture presentation, and of anatomical structure identification through dissection and laboratory observation using cadavers. This course is for funeral service, nursing, forensic science, paramedical, and premedical students. Prerequisite(s): One college course in general biology. Concurrent enrollment in FNRL 2214L is required.

#### **FNRL 2214L - Introduction to Human Anatomy/Dissection**

This is the laboratory course that accompanies FNRL 2214. Prerequisite(s): One college course in general biology. Concurrent enrollment in FNRL 2214 required.

#### **FNRL 2313 - Contemporary Funeral Service**

This course covers the contemporary principles of funeral directing, cremation, and modern funeral issues. It includes the study of funeral merchandising, crematory management, legal issues, disposition of human remains and current practices in the profession.

#### **FNRL 2413 - Funeral Home Administration**

This course covers the principles and practices of funeral home human resources management, funeral home acquisition, funeral service marketing, inventory management, pricing strategies, price determination, and elements of small business management and accounting as related to the funeral service profession.

#### **FNRL 3000 - Workshop In Funeral Service**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **FNRL 3054 - Embalming Chemistry**

This course surveys the basic principles of chemistry as they relate to funeral service. Emphasis is placed on the precautions involved in disinfection, temporary preservation, and restoration of dead human remains before, during and after embalming. Federal government safety regulations are reviewed. Prerequisite(s): CHEM 1014.

#### **FNRL 3204 - Embalming**

This course surveys the process of chemically treating the dead human body to reduce the presence and growth of microorganisms, temporarily inhibit organic decomposition, and restores bodies to an acceptable physical appearance. The subject includes the study of the phenomenon of death in the human body. Prerequisite(s): FNRL 2214.

#### **FNRL 3214 - Human anatomy & Dissection**

This is a cadaver course in anatomy, providing thorough coverage of human anatomy, systems of the body, and their integration. The course is intended for pre-health professions, forensic science students, and others wanting a comprehensive foundation in human anatomical structure and cadaver dissection experience. Prerequisite(s): Eight hours of BIO courses and junior level or above. Concurrent enrollment in FNRL 3214L is required.

#### **FNRL 3214L - Human Anatomy & Dissection Laboratory**

This is the lab course for FNRL 3214. It is a cadaver course in anatomy, providing thorough coverage of human anatomy, systems of the body, and their integration. The course is intended for pre-health professions, forensic science students, and others wanting a comprehensive foundation in human anatomical structure and cadaver dissection experience. Prerequisite(s): Eight hours of BIO courses and junior level or above. Concurrent enrollment in FNRL 3214 is required.

**FNRL 3304 - Restorative Art**

This course introduces the student to the materials and techniques of creating an acceptable physical appearance of the deceased for the benefit of viewing by the surviving family and friends. Concurrent enrollment in FNRL 3304L is required.

**FNRL 3304L - Restorative Art Laboratory**

Laboratory sections involve applying procedures and anatomical restoration and cosmetics application to the deceased for the purpose of creating an acceptable physical appearance. Students must enroll in FNRL 3304 and FNRL 3304L concurrently.

**FNRL 3374 - Funeral Home Management I**

This course covers the principles and practices of funeral home operations, funeral directing, record keeping, merchandising, and personal and professional ethics.

**FNRL 3383 - Funeral Service Statutory Law**

This course deals with statutory laws and legal medicine as pertaining to the funeral service profession.

**FNRL 3393 - Mortuary Jurisprudence**

This course covers the principles of business law dealing with corporate structure, and property ownership, and the rules and regulations pertaining to survivor benefits relating to the practice of funeral service.

**FNRL 3433 - Introduction To Pathology**

This course is a study of the general concepts in pathology, and covering disease processes to include pathogenesis, etiology, lesions, and pathological changes for diseases of specific organ systems and pathogenic agents. Prerequisite(s): BIO 1114.

**FNRL 3483 - Psychology of Grief**

This course provides a survey of bereavement behavior in American society, including historical and cross-cultural perspectives. This course includes an evaluation of human grief and its implications for coping strategies.

**FNRL 3493 - Funeral Service Communication**

This course provides a theoretical and practical framework in counseling for development of effective communication skills within the funeral service profession. Prerequisite(s): FNRL 3483.

**FNRL 3513 - History Of Funeral Directing**

This course deals with the history of funeral directing from ancient to modern times, and professional and educational associations involved in the funeral service profession.

**FNRL 3623 - Thanatology & Unresolved Grief**

This course explores death, dying and bereavement with respect to the social and cultural impact resulting from loss, death, and grief. Topics include formal religious traditions and spiritual influences commonly intertwined with the death experience with a historical and contemporary perspective on death and dying. Other topics include family systems, life span issues, and ethical and legal issues. This course will also examine the results of unresolved grief from major losses, with an emphasis on the life complications and feelings resulting from unresolved grief during a lifetime. Prerequisite(s): FNRL 3483.

**FNRL 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours; subject matter will vary within the department's field of study.

**FNRL 4118 - Practice Of Embalming & Funeral Directing**

This course provides practical experience in embalming and funeral directing in a mortuary or funeral home environment under the supervision of a licensed embalmer and/or funeral director. It includes active participation in at least ten cases of embalming of human remains and the planning and directing of ten or more funerals. This course is the capstone course of the major. It is to be taken only after all other FNRL

courses have been passed, except the corequisite, and is to be taken in the semester prior to graduation. Prerequisite(s): All required degree courses of major with exception of corequisite FNRL 4522 and senior standing. Enrollment open to Funeral Service degree and certification majors only.

**FNRL 4183 - Natural History of Bereavement**

This course explores the nature of grieving as a natural evolutionary process, one that examines how grief originated through the process of natural selection. The course examines the fundamentals of evolutionary psychology by comparing contemporary and ancestral cultures in order to better understand the universality and diversity of grief. Principles of narrative psychology, which is interested in the "storied nature of human conduct", that is, how humans understand experience by constructing stories, are used to better understand the human grief experience. Prerequisite(s): PSY 1103 or FNRL 3483 and junior standing or above.

**FNRL 4214 - Funeral Home Management II**

This course covers the principles and practices of funeral home financial management, critical issues in funeral service, cremation, cemetery, crematory management and sociology. Prerequisite(s): FNRL 2413 or ACCT 2113 or ACCT 2223.

**FNRL 4222 - Sterile Eye Enucleation**

This course covers the techniques, procedures and legal considerations in removing donor eyes and/or corneas for eye banks.

**FNRL 4300 - Supervised In-Service Training**

This course is a supervised in-service training in a mortuary or funeral home, full-time for one 16-week semester. Assigned credit will vary from 4 to 9 hours. Prerequisite(s): FNRL 4118.

**FNRL 4319 - Supervised In-Service Training**

This course is a supervised in-service training in a mortuary or funeral home, full-time for one 18-week semester. Prerequisite(s): FNRL 4118.

**FNRL 4522 - Board Review**

This course involves preparation for state and national board examinations in Funeral Service. It is to be taken during the semester prior to graduation. Students will take the National Board Examination as a requirement for this course after all other Funeral Service major requirement courses have been taken except FNRL 4118 Practicum in Embalming and Funeral Directing. Prerequisite(s): All required degree courses of major with exception of corequisite FNRL 4118 and senior standing. Enrollment open to Funeral Service degree and certification majors only.

**FNRL 4900 - Practicum In Funeral Service**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FNRL 4910 - Seminar In Funeral Service**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FNRL 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FNRL 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FNRL 4950 - Internship**

Credit will vary from 1 to 8 hours.

**FNRL 4960 - Institute In Funeral Service**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**FNRL 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**FRENCH (FRCH)****Department of Modern Languages, Literature & Cultural Studies****FRCH 1114 - Elementary French I**

Elementary French I is an introduction to French pronunciation, conversation, grammar, reading and composition. Students with two or more years of high school coursework in French or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in French. Prerequisite(s): Heritage or native speakers of French and students with two or more years of high school French may not enroll in this course.

**FRCH 1224 - Elementary French II**

Elementary French II is a sequel to Elementary French I. Students with two or more years of high school coursework in French or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in French. Prerequisite(s): FRCH 1114 or two years high school French. Heritage or native speakers of French and students with four years of high school French may not enroll in this course.

**FRCH 2000 - Topics In French**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FRCH 2013 - French Theatre & Conversation**

Intermediate French Theatre and Conversation introduces students to important French plays through dramatic reading and discussion of theatrical concepts and conventions. Prerequisite(s): FRCH 1224 or equivalent.

**FRCH 2023 - French Cinema & Conversation**

Intermediate French Cinema and Conversation introduces students to topical French films through viewing and discussion of cinematic concepts and conventions. Prerequisite(s): FRCH 1224 or equivalent.

**FRCH 2113 - Intermediate French I**

Intermediate French I presents a review of French grammar and application of grammatical principles through reading, composition, and culture, complemented by audio and visual materials. Prerequisite(s): FRCH 1114 and 1224.

**FRCH 2223 - Intermediate French II**

This course focuses on French linguistics, reading, writing, and in-class discussions. It is also a bridge course for continued studies in French and a springboard for Study Abroad and Study Tour experiences in Francophone countries. Prerequisite(s): FRCH 2113, or AP Language Test score of 5.

**FRCH 3000 - Workshop In French**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FRCH 3043 - The French Cookbook**

The French Cookbook concentrates on building higher proficiency levels in reading, writing, and research skills. The course's theme, French culinary art and customs, is used to develop a deeper awareness and understanding of the French culture from historical, sociological and geopolitical perspectives. Prerequisite(s): FRCH 1114, 1224, and (2113 or concurrent enrollment) with sophomore standing or above.

**FRCH 3103 - Early French Culture And Civilization**

A study of various aspects of French culture and civilization from the origins to the Renaissance. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of French.

**FRCH 3113 - Early Modern French Culture, Civilization, and Literature**

Early Modern French Culture, Civilization, and Literature is a study of the various aspects of French culture, civilization and literature during the Renaissance and the 17th century. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of French.

**FRCH 3153 - The French Scene**

The French Scene: Cinema & Performing Arts concentrates on building advanced proficiency levels in reading, writing, and research skills. The course aims to strengthen understanding of the socio-historical background in which specific movements and types of French films and performing arts came to be and also to develop in-depth awareness of French culture through the study of various art forms. Prerequisite(s): FRCH 1114, FRCH 1224 and FRCH 2113.

**FRCH 3213 - French Phonetics**

A scientific investigation of the French sound system including its principal phonemes and allophones. Phonetic transcription is included. Prerequisite(s): 14 hours of French.

**FRCH 3223 - Introduction To French Literature Analysis**

A comprehensive introduction to methods of literary analysis including a broad spectrum of terminology, authors, genres, periods, and movements. The student will acquire skills in approaching texts from a critical perspective. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of French including 2113, 2223.

**FRCH 3243 - History of French Feminism**

History of French Feminism explores women's issues in contemporary France and the cultural evolution that contributed to them from the Middle Ages to the present. Credit may not be earned for both HIST 3243 and FRCH 3243. Prerequisite(s): ENG 1113, ENG 1213, FRCH 1114 and 1224 with Sophomore standing or above.

**FRCH 3313 - French Translation**

This course introduces the strategies for translating short authentic texts from French to English and from English to French. Students will increase their knowledge of complex French grammatical constructions, improve their French vocabulary and gain fluency in expressing themselves in French. Prerequisite(s): FRCH 2113 and 2223.

**FRCH 3812 - French Conversation/Total Immersion**

This course gives students the opportunity to plan and participate in a total immersion experience during which they will communicate only in French. Students will improve their French vocabulary, will gain greater fluency in French and will increase their confidence in the use of French. Each immersion is constructed with a culturally thematic element so that students will become familiar with specific aspects of French or Francophone culture. Prerequisite(s): FRCH 2113, 2223.

**FRCH 3913 - Constraints and Creativity**

Colloquium on Constraints and Creativity explores the need for constraint in artistic output and its role at the center of innovation. After establishing a theoretical base, students will consider examples of self-imposed constraints in writing, fine art, architecture, music, film, dance, theatre, and design. Prerequisite(s): 14 hours of French or the equivalent. Sophomore standing or above.

**FRCH 3990 - Advanced Topics In French**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of French.

**FRCH 4113 - Advanced French Grammar**

Intensive analysis of the structure and rules of French grammar with an emphasis on topics which pose particular complexities. Prerequisite(s): 17 hours of French.

**FRCH 4123 - Modern French Culture, Civilization, and Literature**

Modern French Culture, Civilization, and Literature is a study of various aspects of French culture, civilization, and literature from the beginning of the 18th century to the end of the 19th century. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of French.

**FRCH 4133 - 20th/21st Century French Culture, Civilization, and Literature**

20th- and 21st-Century French Culture, Civilization, and Literature is a study of various aspects of French culture, civilization, and literature from the beginning of the 20th century to present. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of French.

**FRCH 4303 - Francophone Literatures**

This course focuses on the historical and aesthetic evolution of one or more of the literatures of Quebec, the Maghreb, Francophone West Africa, and/or the Caribbean. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of French.

**FRCH 4900 - Practicum In French**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**FRCH 4910 - Seminar In French**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of French.

**FRCH 4920 - Workshop In French**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FRCH 4930 - Individual Study In French**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Written permission required. Prerequisite(s): ENG 1113 and ENG 1213.

**FRCH 4940 - Field Study In French**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and ENG 1213.

**FRCH 4950 - Internship In French**

Credit will vary from 1 to 8 hours. Prerequisite(s): ENG 1113 and ENG 1213.

**FRCH 4960 - Institute In French**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and ENG 1213.

**FRCH 4970 - Study Tour In French**

Credit will vary. Subject matter will vary within the department's field of study.

**FORENSIC SCIENCES (FRSC)  
Forensic Science Institute**

**FRSC 2000 - Topics in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 2503 - Introduction to Forensic Science**

Introduction to Forensic Science is a survey course designed to acquaint the student with a comprehensive understanding of today's crime laboratories and investigative techniques involving the proper collection, preservation, and analysis of evidence. The student will be introduced to scientific, technological, and experimentally-based procedures as they are applied in the criminal justice system.

**FRSC 2613 - Behavioral Aspects of Crime Scenes**

Behavioral Aspects of Crime Scenes serves as an introduction to behavioral science and criminal profiling. In this course, students will explore the history of behavioral science in law enforcement; the concept of criminal investigative analysis and profiling; the basic principles of criminal profiling; the structure and function of the FBI's Behavioral Science Units; the evolution of the multi-disciplinary approach to criminal profiling; and legal considerations regarding the use of criminal profiling in the investigation and prosecution of violent crimes. The topics above will be presented through lecture, case presentations by FSI staff, and video documentaries. Prerequisite(s): FRSC 2503.

**FRSC 2713 - Digital Evidence**

Evidence that is stored on or transmitted by computers plays a major role in a wide range of crimes. This course covers how computers are extensions of traditional crime scenes and how digital evidence can be useful in a variety of investigations from computer intrusions to violent crimes. This course introduces students to how computers and networks function, how they can be involved in crimes, and how they are used as a source of evidence. Topics include computer hardware, network topologies, Internet traces, as well as procedures and tools for properly collecting and preserving digital evidence. Prerequisite(s): FRSC 2503 or permission of instructor.

**FRSC 2733 - DNA for Crime Scene Invest**

DNA for Crime Scene Investigators serves as an introduction to the fundamental principles of forensic biology and DNA analysis. In this course, students will explore practical topics and current challenges in forensic DNA analysis; the interaction between crime scene investigation and DNA analysis; the basic principles of DNA analysis; communication of results from DNA analysis; the role DNA analysis plays in the multi-disciplinary approach to crime scene investigation; and legal considerations regarding the use of DNA analysis. The topics above will be presented through lecture, case presentations, and student driven discussion. Prerequisite(s): FRSC 2503.

**FRSC 2823 - Wildlife Forensics**

This course is a broad overview of how different scientific disciplines are used in wildlife forensic cases. Emphasis will be given to the trade of illegal animals and animal products as well as identification of those items through a number of different methods. Students will have a chance to work with seized materials and attempt to make positive identifications. Prerequisite(s): FRSC 2503 and BIO 1114 or equivalent.

**FRSC 3000 - Workshop in Forensic Science**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FRSC 3043 - Crime Scene Processing**

The course serves as a comprehensive review of all aspects of evidence collection and preservation. Students will learn the process of crime scene management and become proficient in recognizing evidence and determining the proper packaging and preservation methods. Basic methods in crime scene photography, sketching, and documentation will be explored. Students will demonstrate and enhance their understanding of lecture material through participation in practical crime scene exercises. Prerequisite(s): FRSC 2503 with a grade of "C" or above and sophomore standing or above.

**FRSC 3123 - Criminal Procedure for Forensic Science**

Criminal Procedure for Forensic Science serves as an overview of the American criminal justice system, with particular emphasis on those procedures and processes most applicable to the field of forensic science. Students will be introduced to the constitutional, procedural and administrative aspects of the U.S. justice system and the roles of the many entities and agencies which comprise the system. Students will undertake a study of the laws of arrest and search and seizure, the rules of evidence and the rules of criminal procedure which dictate the manner in which forensic evidence and analysis are introduced and challenged in court. Among the areas specifically addressed will be constitutional law, the phases of jury and bench trials, authentication of evidence, general and expert testimony, rules of discovery, rules of ethics, interagency cooperation, record keeping and retention, and handling and disposition of physical evidence. Prerequisite(s): FRSC 2503 with a grade of "C" or above and sophomore standing or above.

**FRSC 3223 - Landmark Cases**

Landmark Cases in Forensic Science is a course designed to provide students with an understanding of court cases that have helped to shape the forensic community. Students will be given a brief introduction to the court system and then review landmark cases that have impacted the field. At the end of the course, students will participate in a mock trial based on the information learned in the course. Prerequisite(s): FRSC 2503 with a grade of "C" or above and sophomore standing or above.

**FRSC 3323 - Forensic Interviewing**

Forensic Interviewing serves as an introduction to all aspects of forensic and investigative interviewing. Students will learn the methodologies and major steps involved in the interviewing and interrogation process and will become proficient in developing, documenting, and conducting various types of interviews. Among the skills which will be developed are information gathering and evaluation, behavioral assessment, strategy development and implementation, legal review and interpretation, expert testimony, and ethics evaluation. Students will demonstrate and enhance their understanding of the interview process through practical exercises involving a variety of case-based scenarios. Course material will be presented through lectures, textbook and supplemental readings, videos, and team-based exercises. Prerequisite(s): FRSC 2503 and sophomore standing or above.

**FRSC 3333 - Forensic Investigations of Mass Disasters**

Mass disasters present one of the most difficult challenges for forensic investigators. The scope, scale, locations, and causes of mass disasters vary greatly and create unique situations with problematic investigative issues. This course will cover a variety of issues pertinent to investigations of mass disasters such as scene control, evidence collection, victim identification, hazard and safety issues, and large scale personnel management. Guest speakers and activities will facilitate hands-on training to provide tools and prepare students for the disaster situations they may encounter. Prerequisite(s): FRSC 2503 with a grade of "C" or above and sophomore standing or above.

**FRSC 3423 - Clandestine Laboratories**

This course involves the forensic investigation of drugs synthesized from precursor chemicals in domestic clandestine laboratories and innocuous plant material spiked with pharmacologically-active compounds. The focus of this course will be the safe processing of clandestine drug laboratories that includes the recognition, collection, packaging, transportation, and in-laboratory examination of associated evidence. Prerequisite(s): FRSC 2503 with a grade of "C" or above and sophomore standing or above.

**FRSC 3990 - Advance Topics in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4143 - Crime Scene Reconstruction**

Crime Scene Reconstruction serves as a comprehensive overview of computer-based and remote sensing technologies in crime scene reconstruction. The focus of this crime scene course is on the use of computer-based, automated data collection, reconstruction, analysis, and courtroom presentation technologies. Students will demonstrate and enhance their understanding of lecture material through participation in practical crime scene exercises. Prerequisite(s): FRSC 2503 and (FRSC 4043 or FRSC 3043) and junior standing or above.

**FRSC 4153 - Crime Scene Photography**

Crime Scene Photography expands on the basic crime scene photography module taught in Crime Scene Processing, with an emphasis on advanced photographic techniques particularly well-suited to crime scene photography. Students will learn and practice specific photographic techniques relating to composition, basic exposure concepts, focus and depth of field, electronic flash techniques, and proper methodology for creating photo documentation of various types of crime scenes. Photographic concepts will be presented through lecture and demonstration. Students will undertake a number of field exercises designed to develop and test their skills in each area of study. Field exercises will be conducted on the UCO campus in the vicinity of the Forensic Science Institute. Prerequisite(s): FRSC 3043 with junior or senior standing.

**FRSC 4163 - Medicolegal Forensics**

Death investigations are among the most important, complex, and challenging forensic science responsibilities. Such investigations require an in-depth synthesis of a broad range of Forensic Science disciplines, expertise, and analyses. This course serves as an introduction to all aspects of the application of forensic science to death investigation procedures, processes, and protocols. Students will learn the methodologies and major steps involved in the investigation of untimely death and will become proficient in developing, documenting, conducting, and managing various types of death investigation scenarios. Students will develop skills and knowledge targeted at the integration and synthesis of diverse forensic science disciplines into the death investigation process. Among the skills which will be developed are: information gathering and evaluation; behavioral and interview assessment; scene strategy development and implementation; field and laboratory evaluation of remains; evidence recognition, preservation, documentation, and analyses; autopsy procedures and protocols; legal and regulatory matters, expert testimony; and ethics practices and evaluation. Prerequisite(s): FRSC 3043 and junior or senior standing.

**FRSC 4243 - Forensic Psychology**

Forensic Psychology provides an overview to the field with a special emphasis in criminal areas. Students will develop an understanding of the most common intersections between forensic mental health and the law, including the criteria required to work as a professional in various capacities. Prerequisite(s): FRSC 2503 and junior or senior standing.

**FRSC 4253 - Forensic Science Analysis & Laboratory**

Forensic Science Analysis serves as an introduction to classical and modern forensic science techniques with emphasis on the theory of modern impression evidence examinations. Techniques covered include latent fingerprints, handwriting and related document examinations, firearms and toolmarks, and fracture glass examinations. Automated evidence database applications are discussed and practiced. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratories. Prerequisite(s): FRSC 2503 with a grade of "C" or above and junior standing or above. Concurrent enrollment in FRSC 4253L is required.

**FRSC 4253L - Forensic Science Analysis Laboratory**

This is the laboratory course that accompanies FRSC 4253. Prerequisite(s): FRSC 2503 and junior standing or above. Concurrent enrollment in FRSC 4253 is required.

**FRSC 4263 - Forensic and Biological Anthropology**

Forensic anthropology is the application of the theories and principles of biological anthropology to the identification of human remains in order to determine their legal significance. Forensic anthropologists are most often called to scenes when highly decomposed or skeletal remains are discovered. The main role of the forensic anthropologist is to determine if remains are human, if they are recent or ancient, who they were, and what happened to them. Using techniques derived from biological anthropology, remains are examined to elicit age, sex, ancestry, and other unique characteristics which may be used to identify the individual. This course will guide students through the processes and techniques used by forensic anthropologists to achieve these goals. Students will gain a detailed knowledge of human skeletal anatomy and be able to distinguish human from animal remains. They will also gain an in-depth understanding of taphonomic processes such as decomposition which affect the condition and recoverability of remains. Prerequisite(s): FRSC 2503 and any biology course with junior standing or above.

**FRSC 4273 - Advanced Fingerprint Analysis**

Advanced Fingerprint Analysis focuses on the application of AFIS technology to analyze fingerprints and palm prints, to compare exemplars to unknown prints, and to evaluate prints to form a conclusion of identification, elimination, or inconclusive. Students will review ACE-V methodology, learn advanced physical and chemical processing techniques, learn the application of RUVIS microscope for fingerprint examination, and explore the use of fingerprints within the judicial system. Students will also discuss the vulnerabilities that may occur in the classification and analysis of fingerprints. Students will apply learned techniques and technology to a mock case and will be responsible for collecting and analyzing prints as well as testifying in regard to their evidence. Prerequisite(s): FRSC 4253 and junior standing or above.

**FRSC 4303 - Forensic Archaeology**

This course is an introduction to traditional archaeological methods and how those methods are then used in a forensic setting primarily for the collection and preservation of evidence. This will include basic skeletal biology and the taphonomic process. Emphasis is given to classical methods of searching and gridding before modern electronic methods are taught. The student will, while working in groups, complete an exhumation of a carcass in the field component of the course. Prerequisite(s): FRSC 2503 and junior standing or above.

**FRSC 4313 - Forensic Pathology**

Forensic Pathology serves as a comprehensive study of multidisciplinary scientific principles and techniques which comprise the modern basis in human death investigation. Emphasis is placed on forensic pathology and odontology of human remains. Prerequisite(s): FRSC 2503 and junior standing or above.

**FRSC 4323 - Forensic Toxicology & Laboratory**

Forensic Toxicology serves as a "hands-on" introduction to modern toxicological methods in forensic science. Topics and analytical techniques covered include sampling and statistics, sample preparation, instrumentation, and the analyses of alcohol, drugs of abuse, therapeutic drugs, carbon monoxide, and cyanide in biological fluids and tissues. Prerequisite(s): FRSC 2503, (CHEM 3454 or concurrent enrollment in CHEM 3454) or permission of instructor. Junior standing or above. Concurrent enrollment in FRSC 4323L is required.

**FRSC 4323L - Forensic Toxicology Laboratory**

This is the laboratory course that accompanies FRSC 4323. Prerequisite(s): FRSC 2503, CHEM 3454 and junior standing or above. Concurrent enrollment in FRSC 4323 required.

**FRSC 4333 - Forensic Molecular Biology & Laboratory**

This lecture and laboratory course presents advanced principles of DNA analysis techniques. Both human (forensic) and non-human applications will be discussed. Major topics covered in this course include DNA ex-

traction, DNA quantification, polymerase chain reaction, DNA fragment analysis, DNA sequencing, and bioinformatic databases. Prerequisite(s): BIO 3303 or equivalent and junior standing or above. Concurrent enrollment in FRSC 4333L is required.

**FRSC 4333L - Forensic Molecular Biology Laboratory**

This is the laboratory course that accompanies FRSC 4333. Prerequisite(s): BIO 3303 or equivalent with junior standing or above. Concurrent enrollment in FRSC 4333 required.

**FRSC 4343 - Forensic Serology & Laboratory**

Forensic Serology is structured to provide advanced concepts of serological techniques as it applies to the collection, preservation and examination of biological evidence. This course includes the theory and practice of techniques used to identify and individualize biological samples having a forensic interest. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratory. Prerequisite(s): FRSC 2503 and any biology course and junior standing or above. Concurrent enrollment in FRSC 4343L is required.

**FRSC 4343L - Forensic Serology Laboratory**

Forensic Serology Lab is the laboratory course that accompanies FRSC 4343 Forensic Serology and Laboratory. Prerequisite(s): FRSC 2503 and any biology course and junior standing or above. Concurrent enrollment in FRSC 4343 is required.

**FRSC 4353 - Firearm and Toolmark Analysis**

Firearm and Toolmark Analysis allows students to gain a general understanding of basic firearm and toolmark techniques and carry out practical laboratory assignments under the supervision of the instructor. Students will receive instruction and hands-on experience with firearms (rendered safe), ammunition components, toolmark samples, serial number restorative techniques, and cartridge case/projectile macroscopic analysis. Prerequisite(s): FRSC 4253 and junior standing or above.

**FRSC 4413 - Bloodstain Pattern Analysis**

Bloodstain Pattern Analysis investigates the significance of bloodstain patterns found at violent crime scenes. Using bloodstain pattern analysis the student will learn to identify the occurrences that took place during and after a violent attack. Several practical exercises are used to assess the skill and knowledge of the student. Students will demonstrate and enhance their understanding of lecture material through participation in actual practical mock crime scene exercises. Prerequisite(s): FRSC 4043 or FRSC 3043 and junior standing or above.

**FRSC 4423 - Bloodstain Pattern Analysis II**

Bloodstain Pattern Analysis II is a course of instruction designed for investigators, crime scene technicians, forensic technicians, and others practicing bloodstain pattern analysis. The course will enhance basic skills and develop the novice to a core competency level required for independent analysis. Prerequisite(s): FRSC 4413 and junior or senior standing.

**FRSC 4443 - Forensic Arson Investigation**

Forensic Arson Investigation is a comprehensive course on fire investigation emphasizing the use of specialized forensic techniques for the identification of causes of fires. Major topics included in this course are the chemistry of fire, how to diagram the fire scene, common types of building construction and the effects of construction on how structures burn. Proper collection of physical evidence, documentation, analysis and preservation as related to fire investigations will be emphasized. Prerequisite(s): FRSC 4043 or FRSC 3043 and junior standing or above.

**FRSC 4463 - Digital Forensics & Lab**

Digital Forensics & Lab is designed to provide the student with the fundamental concepts of the forensic analysis of digital evidence. Students will receive step-by-step explanations on how to use the most popular digital forensic tools. Topics include digital imaging, legal restrictions related to personal privacy and electronic communication, examination of FAT and NTFS based file systems, forensic methodologies, and the

proper documentation of digital forensic examinations. Prerequisite(s): FRSC 2713 or permission of instructor and junior standing or above.

#### **FRSC 4513 - Forensic Chemistry & Laboratory**

Forensic Chemistry serves as a “hands-on” introduction to modern forensic chemistry. Topics and analytical techniques covered include sampling and statistics, sample preparation, instrumentation, and analyses related to drugs, arson, explosives, inks, paints, and polymer evidence. Prerequisite(s): FRSC 2503, (CHEM 3454 or concurrent enrollment in CHEM 3454), or permission of instructor. Junior standing or above. Concurrent enrollment in FRSC 4513L required

#### **FRSC 4513L - Forensic Chemistry Laboratory**

This is the laboratory course that accompanies FRSC 4513. Prerequisite(s): FRSC 2503, CHEM 3454 and junior standing or above. Concurrent enrollment in FRSC 4513 required.

#### **FRSC 4533 - Forensic Microscopy & Laboratory**

Forensic Microbiology serves as a comprehensive microscopy course in modern forensic casework. Forensic methods and sample handling procedures developed specifically for microscopic samples will be discussed. An emphasis will be placed on microscopic analysis of forensic fiber and paint samples. Techniques covered include microscope alignment and focus, synthetic fiber and paint examination and developing and fine tuning sample handling skills with microscopic samples. Prerequisite(s): FRSC 2503 and BIO 1114 or BIO 1204 or BIO 1214 and junior standing or above. Concurrent enrollment in FRSC 4533L required.

#### **FRSC 4533L - Forensic Microscopy Laboratory**

Forensic Microscopy Lab accompanies FRSC 4533. Prerequisite(s): FRSC 2503 and BIO 1114 or BIO 1204 or BIO 1214 and junior standing or above. Concurrent enrollment in FRSC 4533 required.

#### **FRSC 4543 - Advanced Firearm and Toolmark**

Advanced Firearm and Toolmark Techniques is an advanced course focused on chemical restorative examinations. Techniques covered include distance determination, caliber and weapon determination, serial number restoration, toolmark examination, cartridge case/projectile macroscopic analysis, and courtroom testimony. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratories. Prerequisite(s): FRSC 4353 and junior standing or above. Concurrent enrollment in FRSC 4543L is required.

#### **FRSC 4543L - Advanced Firearm & Toolmark Laboratory**

Advanced Firearm and Toolmark Technique and Lab is the laboratory course that accompanies FRSC 4543 Advanced Firearm and Toolmark Techniques and Laboratory. Prerequisite(s): FRSC 4353 and junior standing or above. Concurrent enrollment in FRSC 4543 is required.

#### **FRSC 4553 - WMD Forensics**

Weapons of Mass Destruction (WMD) Forensics will cover chemical, biological, radiological, nuclear, and explosive (CBRNE) agents associated with domestic and international terrorism events. Students will be introduced to crime scene processing involving CBRNE events and the corresponding laboratory and field analyses. Prerequisite(s): FRSC 2503 or equivalent and junior standing or above.

#### **FRSC 4613 - Adv Forensic DNA Analysis and Lab**

Advanced Forensic DNA Analysis focuses on the most current theory and application of procedures used in the analysis of forensic DNA evidence. The course will provide students with a detailed understanding of the tools and methods used by DNA laboratories in the analysis of DNA evidence to prepare them for a career in a forensic DNA laboratory. Specific topics covered by the laboratory component of this course include current research, development of instrumentation, novel applications, statistical interpretation of results, and case report writing. Students will research and apply the most modern techniques in line with the quality control standards, while maintaining a strong foundation in scientific

principles. Prerequisite(s): FRSC 4333 and junior standing or above. Concurrent enrollment in FRSC 4613L is required.

#### **FRSC 4613L - Adv Forensic DNA Analysis Lab**

FRSC 4613L is the laboratory course that accompanies FRSC 4613 Advanced Forensic DNA Analysis and Lab. Concurrent enrollment in FRSC 4613 is required.

#### **FRSC 4633 - Digital Forensics Tools & Analysis & Lab**

Digital Forensics Tools and Analysis and Lab will expose students to advanced concepts in digital forensic analysis and provide an in-depth study of the current tools used in the examination of digital evidence. Topics include: advanced legal concepts, analyzing media with Forensic Toolkit, EnCase, and open source tools, Windows registry analysis, acquisition and analysis of volatile data, E-mail analysis, data hiding techniques, metadata, data carving and log analysis. Prerequisite(s): FRSC 4463 or 4464 or permission of instructor and junior standing or above.

#### **FRSC 4633 - Mobile Device Forensics & Lab**

Mobile Device forensics and Lab will present students with proper methodologies in the forensic examination of mobile digital devices. Students will use proper techniques for the collection and preservation of digital evidence on mobile devices and then will use current digital forensic tools to identify and recover data located on cell phones, tablets, and other hand-held digital devices. Prerequisite(s): FRSC 4464 or 4463 or permission of instructor and junior or senior standing.

#### **FRSC 4673 - Network Forensics & Lab**

Network Forensics will introduce students to the tools and techniques of network-based incident response and cybercrime investigations. Students will be taught the fundamentals of internetworking including the OSI Model for network communications and the basic protocols of TCP/IP. Investigative techniques include network evidence acquisition, incident response, full packet capture forensic analysis with open source tools, and gathering/correlating sources of network statistics and logs. Prerequisite(s): FRSC 4463 or concurrent enrollment in FRSC 4463 or permission of instructor and junior standing or above.

#### **FRSC 4713 - Forensic Pharmacology**

Forensic Pharmacology is an advanced course in modern toxicology related to therapeutic, illicit, and abused drugs. Topics covered include different types of cases encountered in forensic pharmacology; how the body reacts to and handles drugs and other exogenous substances when they are introduced into the body; understanding the effect of atypical enzyme isoforms on the course of drugs through the body and the implications for interpretation of analytical toxicology results; and the knowledge and understanding involved in formulating an opinion about drugs introduced into the body (doses, times, whether acute or chronic) and whether the drugs caused any effect (therapeutic, toxic, lethal) on the body. Prerequisite(s): FRSC 4323 and junior or senior standing.

#### **FRSC 4813 - Ethics & Prof Development**

Ethics and Professional Development is designed to develop the future Criminalist or law enforcement professional from classroom to courtroom. The course will cover critical aspects of applying for a job and making students competitive in the job market. Students will learn how to create a professional resume' and cover letter and to become familiar with the application process for the position. The student will develop good interviewing skills to include proper dress and body language. This course will also engage students to practice learned interview skills in a one-on-one interview as well as a panel interview designed to assess the applicant's general life knowledge, ethics, and knowledge of forensic science, law enforcement and general science issues such as quality assurance. Students will be introduced to the “first days on the job” as they transition from the classroom to a professional career and also prepare a curriculum vitae suitable for courtroom presentation. Prerequisite(s): FRSC 2503 and senior standing.

**FRSC 4900 - Practicum in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4910 - Seminar in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4920 - Workshop in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**FRSC 4930 - Independent Study in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4940 - Field Study in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4950 - Internship in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4960 - Institute in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**FRSC 4970 - Study Tour in Forensic Science**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**GEOGRAPHY (GEO)****Department of History & Geography****GEO 1103 - Introduction To Geography**

This course introduces all major fields of geography. Included, are examinations of physical phenomena such as weather and climate, landforms and natural resources, as well as human phenomena such as population, culture, political organization, economic activities, and cities.

**GEO 1204 - Physical Geography with Laboratory**

Physical Geography with Laboratory is a survey of the distribution and analysis of the physical Earth, including surface processes and landforms, Earth-sun relationships, soil types, natural vegetation, weather, climate and the hydrologic cycle. Emphasis is placed on inter-relationships among these and human- environment interaction.

**GEO 1403 - Human Geography**

Human Geography is a survey of how societies adapted to and modified the earth's surface while creating cultural landscapes. Population patterns, languages, religions, political structures, and economic structures are emphasized.

**GEO 2000 - Topics In Geography**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GEO 2303 - Regional Geography Of The World**

A study of the world's major regions. Each region's physical, cultural, and politico-economic characteristics are reviewed. Region-wide cooperation patterns are discussed and compared. Most major countries in the region are introduced with emphasis on related current issues.

**GEO 2323 - Intro to Indigenous Studies**

Introduction to Indigenous Studies is an interdisciplinary examination of indigenous experiences. Specifically, the course will survey art, geography, history, law, literature, music, philosophy, religion, and contemporary issues. Prerequisite(s): ENG 1113.

**GEO 2403 - Weather and Climate**

This course is a study of weather and climate with emphasis on the impact of natural forces upon humans, animal life, and vegetation.

**GEO 3000 - Workshop In Geography**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**GEO 3013 - Geographic Skills**

Geographic Skills is an exploration of geographic field methods, archival research, information analysis, and map interpretation skills. Prerequisite(s): GEO 1204 or 1403 or 2303 and sophomore standing or above.

**GEO 3103 - Map Analysis And Cartography**

This course is designed to increase students' proficiency in analyzing and creating maps. Students will be introduced to the fundamental principles of map reading and analysis, as well as those skills required to create maps effectively and to communicate myriad types of spatial information.

**GEO 3123 - Geography of Europe**

This course examines the human and physical geography of Europe including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

**GEO 3143 - Geography of Latin America**

This course examines the human and physical geography of Latin America including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

**GEO 3153 - Geography Of Mid East & North Africa**

This course examines the human and physical geography of the Middle East and North Africa including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

**GEO 3163 - Geography of Sub-Saharan Africa**

Geo of Sub-Saharan Africa examines the human and physical geography of Sub-Saharan Africa including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

**GEO 3183 - Geography of South Asia**

This course examines the human and physical geography of South Asia including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

**GEO 3203 - Geography of North America**

This course examines the human and physical geography of North America including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

**GEO 3233 - Severe Weather & Hazard Mitigation**

Severe Weather and Hazard Mitigation provides an in-depth exploration of severe weather processes and their impact on society through relevant, historical, current, and scientifically important events. Severe weather topics include tropical storms, midlatitude storms, thunderstorms, tornadoes, hail, lightning, flooding, and snow- storms. Hazard mitigation topics include severe storm observations, weather radar, atmospheric instrumentation (e.g. soundings, etc.), numerical weather prediction, and social science and climatological analysis of severe weather. Prerequisite(s): Junior or senior standing.

**GEO 3253 - Intro to Environ Biogeography**

Introduction to Environmental Biogeography examines the spatial and temporal patterns and processes affecting the distribution of biodiversity. The extent to which abiotic (geological and climatological) and biotic (evolutionary and ecological) factors contribute to the distribution



of biodiversity will be examined. The importance of biogeography in determining the impacts of climate change on biodiversity distributions will be discussed. Prerequisite(s): Junior or senior standing.

### **GEO 3303 - Geography Of Russia & Central Asia**

This course is a comprehensive study of the Russian federation and nations of Central Asia. Focus is on the key physical and human geographic phenomena including natural resources, manufacturing, industrial and post-industrial development, and present and probable geopolitical conflicts.

### **GEO 3523 - Gendered Geographies**

Gendered Geographies analyzes the links between gender relations and spatial organization of society. The course emphasizes the way gender influences workspaces, migration, human security, and power relations, while comparing the changes in gender roles on a global scale. Prerequisite(s): HIST 2313 or GEO 2303 and junior or senior standing.

### **GEO 3703 - Environmental Conservation**

Environmental Conservation covers contemporary environmental issues and policies. Current problems in population growth, food production and distribution, energy shortages, sustaining biodiversity and natural resources, and global climate change will be stressed. Environmental quality and management issues will be discussed at global and national scales. A portion of this course will cover U.S. environmental history. Prerequisite(s): Sophomore standing or above.

### **GEO 3803 - Geography Of Oklahoma**

A study of the physical and cultural geographical factors of Oklahoma. The emphasis is on the use of geographical environment in planning the future.

### **GEO 3990 - Advanced Topics In Geography**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **GEO 4013 - Economic Geography**

This course is an in-depth exploration of the human and physical influences on patterns of contemporary economic activities from the local to global scales. Themes include the spatial dimensions of resource use, energy consumption, trade, agriculture, industry and post-industrial landscapes. Prerequisite(s): Sophomore standing or above.

### **GEO 4113 - Geographic Information Systems**

Geographic Information Systems offers intensive instruction in the skills of geographic information system technology and the methods of collecting, storing, assessing, and manipulating geographic information from a multidisciplinary perspective. Prerequisite(s): Junior standing or above.

### **GEO 4133 - American Indian Geographies**

American Indian Geographies examines North American Indian and Inuit peoples and their geographies. Culture areas provide the framework for the course within which physical and cultural settings are examined. Particular stress is given to human-environment interactions. Within this context, the course analyzes how environmental perceptions and knowledge inform decisions on settlement patterns, adaptations to particular biotic environments, cultural landscapes, and attachment to place. Prerequisite(s): ENG 1213 and junior standing or above.

### **GEO 4413 - Geography of Migration**

Geography of Migration is an in-depth study of contemporary spatial patterns and processes of global migration. The course is divided into three parts. The first part will explore who is mobile and why people migrate. The second section will examine the migration industry and how state policy and institutional frameworks influence mobility. The third portion will study the cultural influence of migration on both the country of origin and the host country. In this section we will debate how migration changes culture, identity and place by studying concepts such as sense of place, integration, acculturation and transnationalism.

### **GEO 4513 - Historical Geography Of North America**

This course will provide an historical interpretation of the growth and development of the United States and Canada including the human activities that shaped landscapes and resulting environmental changes. Prerequisite(s): Junior or senior standing.

### **GEO 4603 - Urban Geography**

A study of contemporary city systems and their transformation. Topics include the historical perspective of urban development and major cities in the world. It surveys in depth the changing roles of the world's major urban centers.

### **GEO 4613 - World Geopolitical Hot Spots**

This course is a comprehensive study of selected geopolitical hot spots; including discussion of topical and geographic issues of current importance. Analysis of each topic entails its regional setting, historical development patterns, and its current status. Prerequisite(s): Junior standing.

### **GEO 4733 - Advanced GIS: Socio-Urban**

Advanced GIS: Socio-Urban offers advanced geographic information system theory and techniques applied to urban and socio-economic issues including urban and regional planning, urban ecology, crime analysis, and demographic analysis. Emphasis is placed on geocoding, geodatabase design, project development and project implementation. Students engage in advanced mapping and data analysis using Spatial Analyst and geographic visualization using 3D Analyst and ArcScene. Prerequisite(s): GEO 4113 and junior standing or above.

### **GEO 4743 - Advanced GIS: Environmental**

Advanced GIS: Environmental covers advanced geographic information systems theory and techniques for environmental/ecology applications including water quality, soil degradation, land use/land cover change, terrain modeling, and ecosystem inventory and native land management. Students will use both raster and vector data structures and spatial analyst and 3D analyst. Students will be trained in advanced global positioning system (GPS) technology. Field data collection, data editing, GPS/GIS integration will be emphasized. Students will gain field experience for GPS collection techniques. Prerequisite(s): GEO 4113 and (GEO 1204 or 3703 or permission of instructor). Junior standing or above.

### **GEO 4811 - Geographic Current Affairs**

Geographic Current Affairs is a forum to analyze and discuss selected current affairs topics from geographic points of view. The topics are major contemporary issues critical in comprehending today's social, economic, and political landscape. They represent various aspects of the current affairs ranging from environmental concerns to rising nationalism. Particular attention is given to a geographic analysis of the problem development and its implication to the global security and welfare.

### **GEO 4893 - Geography Capstone**

Geography capstone is the culminating experience for Geography majors. The course focuses on the communication and presentation of a research project that uses geographical knowledge and skills in preparation for a geography career and/or graduate studies. Prerequisite(s): Junior or senior standing.

### **GEO 4900 - Practicum In Geography**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **GEO 4910 - Seminar In Geography**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **GEO 4920 - Workshop In Geography**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**GEO 4930 - Individual Study In Geography**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GEO 4940 - Field Study In Geography**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**GEO 4950 - Internship In Geography**

Credit will vary from 1 to 8 hours.

**GEO 4960 - Institute In Geography**

Credit will vary from 1 to 8 hours. Subject matter varies within the department's field of study.

**GEO 4970 - Study Tour In Geography**

Credit will vary. Subject matter will vary within the department's field of study.

**GERMAN (GERM)****Department of Modern Languages, Literature & Cultural Studies****GERM 1003 - Elementary German Conversation I**

A general introduction to German conversation for individuals with no previous formal study of German. This course does not apply toward the major or minor.

**GERM 1013 - Elementary German Conversation II**

This course is the sequel to Elementary German Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. This course does not apply toward the major or minor. Prerequisite(s): GERM 1003.

**GERM 1114 - Elementary German I**

Elementary German I is an introduction to German pronunciation, conversation, grammar, reading and composition. Students with two or more years of high school coursework in German or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in German. Prerequisite(s): Heritage or native speakers of German and students with two or more years of high school German may not enroll in this course.

**GERM 1224 - Elementary German II**

Elementary German II is a sequel for Elementary German I. Students with two or more years of high school coursework in German or heritage speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in German. Prerequisite(s): GERM 1114 or two years of high school German. Heritage or native speakers of German and students with four years of high school German may not enroll in this course.

**GERM 2000 - Topics In German**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GERM 2113 - Intermediate German I**

This course presents a review of German grammar and application of grammatical principles through extensive composition. Prerequisite(s): GERM 1114 and 1224.

**GERM 2223 - Intermediate German II**

This course focuses on reading and discussion in German designed to expand vocabulary, facilitate oral expression and increase comprehension. Prerequisite(s): GERM 1114, 1224 and 2113.

**GERM 3000 - Workshop In German**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**GERM 3103 - Early German Culture And Civilization**

A study of various aspects of German culture and civilization from the origins to the Renaissance. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of German.

**GERM 3113 - Modern German Culture And Civilization**

A study of various aspects of German culture and civilization from the Renaissance to the present. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of German.

**GERM 3213 - German Phonetics**

A scientific investigation of the German sound system including its principal phonemes and allophones. Phonetic transcription is included. Prerequisite(s): 2 years of German including GERM 2113, 2223.

**GERM 3223 - Introduction To German Literature Analysis**

A comprehensive introduction to methods of literary analysis including a broad spectrum of terminology, authors, genres, periods, and movements. The student will acquire skills in approaching texts from a critical perspective. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours of German including 2113, 2223.

**GERM 3313 - German Translation**

This course introduces the strategies for translating short authentic texts from German to English and from English to German. Students will increase their knowledge of complex German grammatical constructions, improve their German vocabulary and gain fluency in expressing themselves in German. Prerequisite(s): GERM 2113, 2223.

**GERM 3812 - German Conversation And Total Immersion**

This course gives students the opportunity to plan and participate in a total immersion experience during which they will communicate only in German. Students will improve their German vocabulary, will gain greater fluency in German and will increase their confidence in the use of German. Each immersion is constructed with a culturally thematic element so that students will become familiar with specific aspects of German culture. Prerequisite(s): GERM 2113, 2223.

**GERM 3990 - Advanced Topics In German**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours German.

**GERM 4113 - Advanced German Grammar**

Intensive analysis of the structure and rules of German grammar with an emphasis on topics which pose particular complexities. Prerequisite(s): 17 hours of German.

**GERM 4123 - Survey German Literature To 1800**

Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4133 - Survey German Literature 1800 - Present**

Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4163 - Early German Drama**

This course presents the major literary developments in German drama by movement, period, or author through the 18th century. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4173 - Modern German Drama**

This course presents the major literary developments in German drama by movement, period, or author in the 19th and 20th centuries. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4183 - Early German Novel**

This course presents the major literary developments in German novel by movement, period, or author through the 18th century. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4193 - Modern German Novel**

This course presents the major literary developments in German novel by movement, period, or author through the 19th and 20th centuries. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4313 - Joh W Von Goethe**

Goethe (1749-1832) shaped the German language and the German cultural landscape like no other author. Students will read several of Goethe's works and analyze them in the context of seminary discussions, exams and a paper. An essential component of this course is the interrogation of the concept "authorship" in light of the many different Goethean artifacts that are not merely "literary". Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4900 - Practicum In German**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GERM 4910 - Seminar In German**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of German.

**GERM 4920 - Workshop In German**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**GERM 4930 - Individual Study In German**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Written permission required.

**GERM 4940 - Field Study In German**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**GERM 4950 - Internship In German**

Credit will vary from 1 to 8 hours.

**GERM 4960 - Institute In German**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**GERM 4970 - Study Tour In German**

Credit will vary. Subject matter will vary within the department's field of study.

**GREEK (GRK)****Department of Modern Languages, Literature & Cultural Studies****GRK 1113 - Biblical Greek I**

This course is an introduction to the pronunciation, grammar, reading, and composition of Biblical Greek.

**GRK 1223 - Biblical Greek II**

This course is a sequel to Biblical Greek I. Prerequisite(s): GRK 1113 with a minimum grade of "C".

**GRK 2000 - Topics in Greek**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GRK 2113 - Greek New Testament Readings**

This course is devoted to reading selections from the Greek New Testament. Prerequisite(s): GRK 1113 and 1223 with a minimum grade of "C".

**GRK 3000 - Workshop in Greek**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lectures, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**GRK 4900 - Practicum in Greek**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GRK 4910 - Seminar in Greek**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and ENG 1213.

**GRK 4920 - Workshop in Greek**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**GRK 4930 - Individual Study in Greek**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GRK 4940 - Field Study in Greek**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**GRK 4950 - Internship in Greek**

Credit will vary from 1 to 8 hours.

**GRK 4960 - Institute in Greek**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**GRK 4970 - Study Tour in Greek**

Credit will vary. Subject matter will vary within the department's field of study.

**HISTORY (HIST)****Department of History & Geography****HIST 1003 - History of Globalization**

History of Globalization is a survey of global history from the sixteenth century to the present, covering developments in such areas as agriculture, industry, and information.

**HIST 1013 - World History I**

World History I introduces students to political, social, and cultural connections and developments in world history to 1450.

**HIST 1023 - World History II**

World History II introduces students to political, social, and cultural connections and developments in world history since 1450.

**HIST 1103 - Early Western Civilization To 1350**

A survey of western civilization to about 1350, covering the early history of man, the civilizations of the ancient Near-East, Greece, Rome, and the Middle Ages.

**HIST 1203 - Europe-Renaissance To Waterloo**

A survey of Europe from about 1450 to the defeat of Napoleon in 1815.

**HIST 1263 - Modern Europe**

A survey of Europe during the 19th and 20th centuries, beginning with the Congress of Vienna in 1815.

**HIST 1273 - East Asian Civilization To 1500**

This course surveys the major features of the civilizations of East Asia, including China, Japan, Korea, and Vietnam, from their formation until the sixteenth century. This course will focus on the rise of Chinese and

Japanese religions, such as Confucianism, Taoism, Buddhism, and Shinto; the formation and development of empires; the cultural exchanges among East Asian countries and between East Asia and other parts of the world; and the position of East Asian civilization in the ancient, classic, and medieval world.

### **HIST 1283 - East Asian Civilization From 1500**

This course surveys the principal civilizations of East Asia, as they were confronted by the West in the sixteenth through nineteenth centuries, and as they failed or succeeded in adapting to the modern international systems in the twentieth century. This course will cover the revolutionary changes in China, Japan, Korea, and Vietnam, and the persistence and flexibility of their traditional cultures and values.

### **HIST 1333 - African Americas**

African Americas is a broad overview of black history from the start of the Atlantic slave trade to the present.

### **HIST 1483 - History Of U.S. To 1877**

US History to 1877 is a survey of US history from the colonial period through the Civil War.

### **HIST 1493 - History Of U.S. Since 1877**

US History since 1877 is a survey of US history from the post-bellum period to the present.

### **HIST 2000 - Topics In History**

Credit will vary from 1 to 4 hours. Consists of selected topics of an historical nature, each taught by a member of the history staff who has expertise in that particular area. The topic chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

### **HIST 2033 - American Indian History**

American Indian History surveys American Indian history and culture from indigenous perspectives and provides an overview of the major periods and historical questions in American Indian history.

### **HIST 2113 - Historical Research Methods**

Historical Research Methods introduces students to the historical profession, research methods, and the development of style, organization and citation in historical writing. Prerequisite(s): ENG 1113 and ENG 1213 with sophomore standing or above.

### **HIST 2313 - Introduction to Women/Gender/Sexuality Studies**

Introduction to Women's, Gender, and Sexuality Studies examines the ways in which gender and sexuality shape every aspect of our lives. This course explores the influence of social expectations about women and men--which intersect with issues of race, class, sexuality, and nationality--on our legal, medical, educational, and political systems.

### **HIST 2343 - Introduction to Archaeology**

Introduction to Archaeology examines the history, theory, and methods of archaeology. Students will examine how the discipline has contributed to knowledge of prehistoric and historic people and cultures throughout the world.

### **HIST 2413 - Intro to Sustainability**

Introduction to Sustainability Studies examines the theory, principles, and practices of sustainability. This course explores the relationships between environmental health, economic growth, and social justice.

### **HIST 2513 - Introduction to Islam**

Introduction to Islam is an overview of Islam as it has been practiced by Muslims worldwide since the seventh century, with an emphasis on current debates about Islam's role in contemporary societies. This course will acquaint students with the faith's foundational texts while highlighting the global diversity of Islamic communities. Prerequisite(s): ENG 1113.

### **HIST 3000 - Workshop In History**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **HIST 3113 - Historical Research**

This course is designed to acquaint the student with the historical profession, the basic reference tools, and the critical use of source materials. Particular attention is given to the development of style and technique in historical writing and research. Recommended for all history majors. Prerequisite(s): ENG 1113 and 1213.

### **HIST 3123 - Race, Class, Gender**

Race, Class, Gender addresses a particular historical period through the critical lenses of race, class, and gender. Prerequisite(s): HIST 1483 or 1493 and ENG 1113 and 1213 (or, for international students, ENG 1153 and 1223).

### **HIST 3133 - Colonial America & the Atlantic World**

Colonial America and the Atlantic World explores the origins, developments, and major themes in early America from pre-contact through the War of 1812. Themes include colonization, revolution, slavery, and cross-cultural negotiation and conflict. These themes provide the core narrative for a history of colonial America in the context of the Atlantic World. Prerequisite(s): ENG 1113 and HIST 1483 and sophomore standing or above.

### **HIST 3143 - 19th Century America in the World**

19th Century America in the World covers American history from 1815 until 1900, with emphasis on sectionalism, Manifest Destiny, Progressivism, American imperialism, and the Spanish-American War. Topics covered in this course are related to the changes in the United States that promoted its development as a multicultural democracy and an economic power. Prerequisite(s): HIST 1483 with a grade of "C" or better and sophomore standing or above.

### **HIST 3213 - World War II**

Emphasis is placed on the diplomatic background, the major battles in both the European and Pacific theaters, the home fronts, and the defeat of Germany and Japan.

### **HIST 3223 - Recent U.S. Constitutional History**

Basing the central theme on the constitution as it is understood today, discussion will attempt to show the growth of modern constitutionalism, especially since the Civil War and the Revolution in due process. Highlights include the 14th Amendment and the Bill of Rights.

### **HIST 3233 - U.S. Women's History**

This course explore some of the most significant events in U.S. women's history from the pre-colonial period to the present. Prerequisite(s): Sophomore standing or above.

### **HIST 3243 - History of French Feminism**

History of French Feminism explores women's issues in contemporary France and the cultural evolution that contributed to them from the Middle Ages to the present. Credit may not be earned for both HIST 3243 and FRNC 3243. Prerequisite(s): ENG 1113, ENG 1213, and HIST 2313. Sophomore standing or above.

### **HIST 3253 - History Of The American City**

A study of urban development in the United States with emphasis on the impact of the city on American life and institutions from the colonial period to the present.

### **HIST 3263 - Intersectionality and Feminism**

Intersectionality and Feminism explores how and why feminist scholars and activists have applied the insights of intersectionality, and analytical perspective that explains how overlapping categories of identity (including, but not limited to, class, race, ethnicity, and sexual orientation)

intersect with gender and gender identity to perpetuate social hierarchies. Prerequisite(s): HIST 2313.

### **HIST 3303 - Oklahoma History**

Oklahoma History is a survey of the state's political, cultural, environmental, and economic history from its earliest indigenous period to the present. Particular emphasis is placed on the diverse communities and cultures that have shaped Oklahoma history.

### **HIST 3313 - England To 1689**

Medieval life and institutions: the development of jury trial and English common law; growth of the power of the barons; the development of parliament from its origin to the Glorious Revolution of 1689.

### **HIST 3323 - England Since 1689**

Commercial and industrial development; naval supremacy and colonial empire; rise of the cabinet system and political democracy.

### **HIST 3383 - The Middle Ages**

A study of Europe from the fall of Rome to the Renaissance.

### **HIST 3423 - Women's History: European**

Women's History: European investigates the historical and cultural roles of women from early modern Europe to the mid twentieth century. As we analyze both representative individuals and general trends, topics will include theories of women's history, changing roles, rights, and responsibilities culturally ascribed to women, and the ways in which women have navigated social constraints in politics, business and industry, and the church. Prerequisite(s): HIST 1103 or 1203 or 1263 and sophomore standing or above.

### **HIST 3431 - Contemporary Affairs**

Contemporary Affairs explains and discusses contemporary global events and developments.

### **HIST 3483 - Absolutism & Enlightenment In Europe**

Development of the leading countries of Europe from 1648 to 1789; system of the old regime and absolute monarchy; features of the Enlightenment.

### **HIST 3533 - Islamic History, 600-1800**

Islamic History, 600-1800 examines the political, cultural, and religious history of the Middle East and North Africa from the origins of Islam in early seventh-century Arabia to the French occupation of Egypt in the late eighteenth century. It treats Muslim debates about the succession of Muhammad, the establishment of hereditary caliphates, the impact of Crusader and Mongol invasions, as well as the expansion and contraction of gunpowder empires under the Ottomans and Safavids. Prerequisite(s): HIST 1013.

### **HIST 3583 - Europe 1815-1871**

From the Congress of Vienna to the end of the Franco-Prussian War, including intellectual movements, the revolutionary disturbances and the unification of Italy and Germany.

### **HIST 3703 - Modern World Leaders**

Modern world leaders emphasizes a biographical approach to the significant political, military, scientific, social, economic, and cultural leaders of the 20th century.

### **HIST 3723 - American Environmental History**

American Environmental History examines the relationship between nature and society in American history. Prerequisite(s): HIST 1483 or HIST 1493.

### **HIST 3743 - Global Environmental History**

Global Environmental History examines the relationship between nature and society in a global context. Prerequisite(s): HIST 1483 or HIST 1493.

### **HIST 3763 - Model Arab League**

Model Arab League simulates the function of the real Arab League, an international forum for conflict resolution similar to the United Nations.

Students represent an Arab country in the Middle East or North Africa in a mock debate and engage in diplomacy by drafting legislation while following parliamentary procedure. Students may compete against their peers representing Arab countries. This course may be taken two times for credit. Prerequisite(s): ENG 1113 and (ENG 1213 or MCOM 1113) and (HIST 1023 or GEO 2303 or POL 2303 or HIST 2513).

### **HIST 3833 - History of Oil**

History of Oil examines the political, economic, cultural, and environmental history of petroleum. Prerequisite(s): HIST 1483 or HIST 1493.

### **HIST 3990 - Advanced Topics In History**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **HIST 4103 - Europe, 1919 to 1945**

This course describes the history of Europe from the Treaty of Versailles through the end of World War II. In this class emphasis is placed upon the totalitarian regimes of Italy, Germany, and Russia.

### **HIST 4123 - Israeli-Palestinian Conflict**

Israeli-Palestinian Conflict examines the history of competing nationalisms in Palestine since the 1880s. It identifies the most significant causes, participants, ideologies, and attempted resolutions of the conflict. Prerequisite(s): ENG 1113 and ENG 1213 with junior or senior standing.

### **HIST 4133 - Europe Since 1945**

The critical events of European history since the end of the Second World War are surveyed.

### **HIST 4153 - History of Latin America**

This course examines selected problems in Latin American history from the fifteenth century to the present. Prerequisite(s): Junior or senior standing.

### **HIST 4163 - 20th Century America in the World**

20th Century America in the World is a detailed study of American history from the end of the Spanish-American War to Present. Prerequisite(s): HIST 1483 with a grade of "C" or better and sophomore standing or above.

### **HIST 4203 - American Diplomatic History To 1900**

A history of American foreign policy from independence through the Spanish-American War. Key themes of the course are American expansion and America's rise to power.

### **HIST 4213 - American Diplomatic History--20th Century**

A history of American foreign policy from the end of the Spanish-American War to the present. Key topics of the course include: U.S. intervention in Latin America, World War I, World War II, the Cold War, Korea, and Vietnam.

### **HIST 4233 - Maya, Aztec, and Inca Civilizations**

Maya, Aztec, and Inca Civilizations is an overview of the culture and social structure of the Maya, Aztec, and Inca peoples during Pre-Columbian times. Prerequisite(s): Junior or senior standing.

### **HIST 4253 - Black Power**

Black Power in the Atlantic World addresses black nationalist movements in a global perspective from the turn of the twentieth century. Prerequisite(s): HIST 1333 or HIST 1483 or HIST 1493 or HIST 4753 or HIST 4763.

### **HIST 4283 - History of Sex in the Americas**

History of Sex in the Americas is an overview of issues, theories, and concepts involving the history of sex in the Americas, particularly Latin America. The course will at times explore ideas about sexuality and power during the pre-colonial, colonial, and modern periods throughout the Western Hemisphere. Prerequisite(s): Junior or senior standing.

**HIST 4303 - Indians Of The Southwest**

Indians of the Southwest examines the social, cultural, political, and intellectual history of indigenous communities in the Southwest borderlands.

**HIST 4313 - U.S. Military History To 1917**

This course provides an overview of the military's role in American development from English colonization through the emergence of the United States as a world power. More than just a survey of battles and leaders, this course will examine the interrelationship between the armed forces and society in both peace and war, as well as the impact of intellectual and technological change.

**HIST 4323 - U.S. Military History Since 1900**

An overview of the military's role in American development from the aftermath of the Spanish American war through the present. More than just a survey of battles and leaders, this course will examine the interrelationship between the armed forces and society in both peace and war, as well as the impact of intellectual and technological change.

**HIST 4333 - Russian History To 1917**

Students in Russian History to 1917 study Russian history from 882 to the Bolshevik Revolution of 1917, paying particular attention to ancient Kiev, medieval Muscovy, westernization in the 18th century, and the emergency of revolutionary movements in the 19th century. Prerequisite(s): HIST 1103 or 1203 or 1263.

**HIST 4343 - Russian History Since 1917**

Students in Russian History since 1917 study Russian history from 1917 to the present, paying particular attention to the Bolshevik Revolution, the NEP era, Stalin's "revolution from above," the Gorbachev era, and post-soviet problems of transition to western political and economic models. Prerequisite(s): HIST 1103 or 1203 or 1263.

**HIST 4353 - Women's History: International**

This course focuses on continuities and changes in the social organization of gender differences particularly as this framework applies to women who lived during the nineteenth and twentieth centuries in five geo-political regions: Southwest Asia, Asia, South Asia, Africa, and Latin American. Prerequisite(s): Junior or senior standing.

**HIST 4413 - Women/Gender in Native America**

Women/Gender in Native America examines the varied historical experiences of Native women within the broader context of changing gender roles in indigenous communities in North America. Prerequisite(s): HIST 1483 or 1493 and sophomore standing or above.

**HIST 4423 - Women in the American West**

Women in the American West traces regional identity, mobility, and cultural representations in an effort to understanding how women's diverse perspectives shaped the American West. Prerequisite(s): HIST 1483 or 1493 and sophomore standing or above.

**HIST 4433 - Colonial America**

Colonial America covers American history from the pre-colonial period through the end of the Seven Years War in 1763. Prerequisite(s): HIST 1483 or 1493.

**HIST 4443 - History Of Cold War In Asia**

A study of the international relations in East and Southeast Asia from the end of World War II to the early 1900's, a period that seemed to suspend the normal functioning of state relations in the region. Interpret U.S.-Soviet rivalry, U.S.-Japan policy, China's roles, and other important events such as wars in Korea and Vietnam, and crises in the Taiwan Straits and Indochina.

**HIST 4453 - Women's History: China**

Women's History: China explores the history and culture of women in China from ancient through modern times, with emphasis on the agency of women in the face of Confucianism, Daoism, Buddhism, Commu-

nism, and state-sponsored Capitalism. Prerequisite(s): ENG 1113 and ENG 1213 with sophomore standing or above.

**HIST 4463 - U.S.-East Asian Relations-20th Century**

Historical interpretations of the major events and interactions in East Asia between America and Japan, China, Korea, and Vietnam through World War I, the Pacific war, Korean war, and Vietnam war. Focus on American's definitions of its East Asia policy objectives, the problems it encountered, and the responses of East Asian nations.

**HIST 4513 - History Of Mexico**

The history of Mexico from the Aztec civilization until modern times. Emphasis is placed on the Aztecs, the conquest by Cortez, society under Spanish independence, the Mexican Revolution, and post revolutionary Mexico.

**HIST 4533 - Revolutionary America**

Revolutionary America examines American history from the beginning of the Seven Years War in 1756 until 1815, with an emphasis on the social, political, and economic transformations that shaped the early American nation during this period. Prerequisite(s): HIST 1483 or 1493.

**HIST 4553 - Jacksonian America, 1815-1848**

This course covers American history from 1815 until 1848, with emphasis on Jacksonian democracy, sectionalism, and Manifest Destiny. Prerequisite(s): HIST 1483 or 1493. This course and HIST 4533 replace HIST 4523.

**HIST 4563 - Civil War And Reconstruction**

The history of the United States from the beginning of the Civil War in 1860 to the end of Reconstruction in 1877.

**HIST 4571 - The New York Times**

The New York Times uses critical thinking and discussion to examine key issues in historical and contemporary context by using The New York Times newspaper, historical New York Times database, and online content such as Times Topics, videos and lesson plans. Prerequisite(s): Junior or senior standing.

**HIST 4583 - History of American Technology**

History of American Technology focuses on the technical development and the social, political and economic incorporation of various technologies into American culture from Colonial times to present. In addition to discussion of a variety of specific technologies, the course will introduce students to the complex challenges facing historians studying the development of technology in human societies, including discussion of the historiography of the history of technology, social constructionism, technological determinism, and appropriate technologies. Prerequisite(s): HIST 1483 or HIST 1493 and junior or senior standing.

**HIST 4603 - Gilded Age and Progressive Era**

Gilded Age and Progressive Era examines the transformations triggered by industrialization, urbanization, immigration, and imperialism from the end of Reconstruction in 1877 to the end of World War I in 1918. Prerequisite(s): HIST 1483 or 1493.

**HIST 4613 - Museum Management**

This course provides a comprehensive introduction to museum organization, law, and ethics; contemporary museum issues; collections management procedures and policies; collections preservation.

**HIST 4623 - Museum Theory And Practice**

Museum Theory and Practice focuses on the interpretation of material culture and includes research and exhibit planning and evaluation, contemporary issues in museum interpretation; museum education and the public dimension of museums. Prerequisite(s): ENG 1113, ENG 1213, and HIST 4613.

**HIST 4633 - History Of U.S. 1919-1945**

This course is a detailed study of American history from the end of World War I to the end of World War II. Prerequisite(s): HIST 1483 or 1493.

**HIST 4643 - Anthropology: Societies/Global Perspective**

This course offers a global perspective for the anthropological and historical study of social and cultural organization, social change, and the development of the modern world system.

**HIST 4653 - Tudor-Stuart England**

Tudor-Stuart England covers important political, military, cultural, and social developments in England from Henry VII to Queen Anne (1485 to 1714). Prerequisite(s): ENG 1113 and ENG 1213 with junior or senior standing.

**HIST 4663 - French Revolution And Napoleon**

The origin of the French Revolution, the turbulent revolutionary years between 1789 and 1795, the rise of Napoleon, and Europe during the Napoleonic Era.

**HIST 4693 - Capstone: WGSS**

The Women's, Gender, and Sexuality Studies Capstone focuses on advanced skills in critical thinking and writing through proposed research questions, a project prospectus, an annotated bibliography, and a research paper based on primary and secondary sources. Prerequisite(s): HIST 2313 and (HIST 3263 or concurrent enrollment in HIST 3263) and junior or senior standing.

**HIST 4713 - Modern Middle East**

Peoples and geography; rise and features of Islam; classic Islamic civilizations; Arab and Turkish empires; Palestinian question; Nasserism, 20th century states.

**HIST 4723 - American West**

American West explores the economic, political, social, cultural, and environmental history of the West from its indigenous past to the present.

**HIST 4743 - Modern China And Japan**

History of these major Asian powers since 1600 with emphasis on their cultures, the impact of the West, the industrialization of Japan and the revolutionary process in China.

**HIST 4753 - Atlantic Slavery**

Atlantic Slavery offers a comparative overview from the start of the Atlantic slave trade through the mid-nineteenth century.

**HIST 4763 - Black Intellectual History**

Black Intellectual History offers a detailed approach to black social and intellectual history in the Americas from the mid-nineteenth century to the present.

**HIST 4773 - Modern German History**

The unification struggle arising out of the French Revolution, the development of the German state and society, the Weimar Republic, and the Nazi dictatorship.

**HIST 4783 - History of Ancient Greece**

History of Ancient Greece is a study of ancient Greek civilization, with emphasis on Greek culture and intellectual achievements as part of the foundation of western culture. Prerequisite(s): ENG 1213.

**HIST 4793 - History of Ancient Rome**

History of Ancient Rome is a study of ancient Roman civilization, with emphasis on the Romans' cultural and intellectual achievements as part of the foundations of western culture. Prerequisite(s): ENG 1213.

**HIST 4803 - Social Studies Methods**

Social Studies Methods is designed to prepare pre-service social studies teachers for entry into the secondary education classroom. Students analyze and integrate education-based theories with the complex academic discipline of social studies. Synthesis of theory and practice comes

together in preparation of lesson, unit, and yearly plans of instruction, which are demonstrated and assessed in micro-teaching presentations. Prerequisite(s): HIST 3113 with a minimum grade of "C", junior or senior standing, and Admission to Teacher Education.

**HIST 4823 - Social & Cultural History of the U.S. to 1865**

Social & Cultural History of the US to 1865 is a study of the social, cultural and intellectual life of the United States from colonial times to the present.

**HIST 4833 - Social & Cultural History of the U.S. since 1865**

Social & Cultural History of the US since 1865 is a study of the social and cultural history of the United States from the Civil War to the present.

**HIST 4843 - Major Interpretations Of American History**

A study of new and old interpretations of major events in American history from the colonial period to the present. Especially designed for students working toward teacher education certification in American history.

**HIST 4853 - African American Experience**

This course will broaden and deepen the student's knowledge about the African American experience from its roots in Africa to current issues, developments, and perspectives. Through research, discussions, analyses, and appropriate examinations our students will be given multiple opportunities to become well prepared to be critical thinkers and problem solvers, thereby positive contributing members of a multicultural, uplifting society.

**HIST 4863 - History Of Modern Southeast Asia**

Traditional cultures and religions; impact of western colonialisms; nationalist movements and formation of nations; development of representative governments; and contemporary roles in international relations.

**HIST 4873 - United States Since 1945**

United States since 1945 examines the political, social, economic, and cultural changes in the United States from World War II to the present. Prerequisite(s): HIST 1483 or 1493 and sophomore standing or above.

**HIST 4883 - The Reformation, 1500-1648**

A detailed study of the religious upheaval of the sixteenth century, including its background and causes, an examination of the spread of Protestantism in northern Europe, the religious wars in France, the Catholic Reformation, and the Thirty Year War.

**HIST 4893 - Europe, 1871-1919**

Grandeur and features of late nineteenth century Europe; development of capitalism and growth of the working-class movement; origins and course of World War I; the Versailles peace settlements.

**HIST 4900 - Practicum In History**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HIST 4910 - Seminar In History**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HIST 4920 - Workshop In History**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**HIST 4930 - Individual Study In History**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HIST 4940 - Field Study in History**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**HIST 4950 - Internship In History**

Credit will vary from 1 to 8 hours.

**HIST 4960 - Institute In History**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HIST 4970 - Study Tour In History**

Credit will vary. Subject matter will vary within the department's field of study.

**HIST 4993 - History Capstone Seminar**

The History Capstone Seminar focuses on advanced skills in historical research, critical thinking, and writing through proposed research questions, a project prospectus, an annotated bibliography, and a research paper based on primary and secondary sources. Subject matter will vary across departmental fields of study. Prerequisite(s): Hist 2113 or HIST 3113 with a minimum grade of "C". Enrollment open to History majors with junior or senior standing.

**HEALTH (HLTH)****Department of Kinesiology and Health Studies****HLTH 1112 - Healthy Life Skills**

This course will provide comprehensive investigation into current methods of health promotion and disease prevention. Knowledge and practical application in the areas of fitness, nutrition, mental health, sexual health, substance abuse prevention, and other positive life skills will be emphasized. This course will focus on the Health and Wellness tenet of Transformative Learning. Students will be exposed to concepts relating to the physical, spiritual, environmental, emotional, intellectual, and social dimensions of health and wellness and given opportunities to integrate these concepts into their lives.

**HLTH 2000 - Topics In Health**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HLTH 2113 - Introduction to PK-12 Health**

This course is designed to give the prospective teacher of physical education / health insight into this area of specialization. Included are the historical, philosophical, psychological and sociological principles of health education with a survey of the latest research and literature in the field. In addition, emphasis will be placed on the application of leadership skills and service learning opportunities, both which are required for the profession. Prerequisite(s): HLTH 1112.

**HLTH 2203 - Intro to Public Health**

The course provides a basic introduction to the field of public health, including trends and statistics. Students gain knowledge about complex public health issues and the various agencies involved in addressing these issues. Students are also introduced to the field of health education. Prerequisite(s): HLTH 1112. Concurrent enrollment in HLTH 4900, a one-hour practicum, is required and must be approved by advisor. Enrollment open to Community/Public Health major and minor students only.

**HLTH 2212 - First Aid With CPR**

This course provides knowledge and practical experience in the emergency care of injuries and sudden illness, including cardiopulmonary resuscitation. The course includes content of American Red Cross standards and advanced first aid training and provides ARC certificates when satisfactorily completed. This course replaces HLTH 2213.

**HLTH 3000 - Workshop In Health**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**HLTH 3103 - Teaching PK-12 Health Concepts**

This course is designed to address health content and concepts relevant to the physical, social, and emotional needs of children and adolescents. The focus of this course is on implementing age-appropriate curricula and skill-building strategies that foster healthy behaviors within the framework of a coordinated school health program. Prerequisite(s): HLTH 1112 and HLTH 2112. Junior or senior standing. Enrollment open to Physical Education/Health majors only.

**HLTH 3163 - Environmental Health**

This course examines an overall view of factors in the environment that adversely impact human health. Examination is based on intervention, inspection, and education. This course is designed to explore the ways in which mankind may control the environment in order to minimize deleterious effects on the level of health and quality of life. Prerequisite(s): HLTH 1112 and junior standing or above.

**HLTH 3203 - Introduction to Epidemiology**

This course introduces students to the concept of epidemiology. Emphasis is placed on the principles and methods of epidemiologic investigation, including an introduction to the use of statistics to describe infectious and chronic diseases within populations. Topics include disease prevention and control measures as well as study designs for investigating disease outcomes. Emphasis will be placed on the student's preparation for the Certified Health Education Specialist (CHES) credential. Prerequisite(s): Admission to Community/Public Health Program and junior and senior standing.

**HLTH 3223 - Applied Anatomy**

This course will provide a study of osteology, skeletal structure, myology, including the origins and insertions of muscles, and the organic processes which affect and/or are affected by movement. This course replaces HLTH 3222.

**HLTH 3263 - Media Advocacy and Health Comm**

This course focuses on the skills needed to develop and implement health advocacy campaigns through the media. Emphasis is placed on the use of health theory, attention to readability, and the incorporation of cultural sensitivity in the creation of health messaging. Students will learn how best to advocate health messages through a variety of media sources and will complete a media advocacy campaign. Prerequisite(s): HLTH 1112 with junior standing or above.

**HLTH 3313 - Contemporary Issues in Drug Prevention**

Contemporary Issues in Drug Prevention examines the chronic use and misuse of legal and illegal substances, including the physiological and psychological effects and consequences of substance abuse. The emphasis will be on the theoretical concepts and strategies for implementing substance prevention education as well as the development of health curriculums and materials for the community. Prerequisite(s): HLTH 1112 with junior standing or above.

**HLTH 3323 - Program Planning**

This course introduces students to health program planning and design in health education as well as the grant writing process involved in planning health education programs. Concepts and theories of program planning will be introduced as will the interpretation of needs assessment, creation of goals and objectives, budgets, and strategies for program planning. Emphasis will be placed on the student's preparation for the Certified Health Education Specialist (CHES) credential. Prerequisite(s): Admission to the Community/Public Health Program and junior standing or above.

**HLTH 3403 - Leadership & Ethics in Public Health**

This course, Leadership and Ethics in Public Health, is designed to explore the attributes of leadership, ethics, and values that are needed to be an effective leader in the field of health and health education. This course provides students the opportunity to identify personal leadership characteristics and values through various assessment tools as well as



identify characteristics of ethical problems in health and the decision-making process. Students will create a professional resume, and develop their own Individual Development Plan based on their leadership styles and values as they prepare to be leaders in the health field. Prerequisite(s): HLTH 1112 and junior standing or above.

### **HLTH 3413 - Nutrition for Sports & Fitness**

The course will examine sound nutritional knowledge and practices based on current scientific literature essential to optimal health in various levels of activity that are sport and age specific. Credit may not be earned for both HLTH 3413 and NTRN 1513. Prerequisite(s): Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

### **HLTH 3453 - Group Dynamics**

This course focuses on the role and responsibility of the professional in the field with emphasis on the communication behavior of individuals within group structures. Didactic and experiential techniques are used to explore the stages of group development and life, decision-making techniques, norms, structures, leadership, authority, membership and the intra- and inter-personal dynamics within small groups. Oral and written communication skills are addressed as is the process of building community coalitions.

### **HLTH 3493 - Treatment Of Athletic Injury**

The purpose of this course is to provide information to students in the care and prevention of athletic injuries. This class addresses how athletic and fitness injuries occur, are treated, and how they can be prevented.

### **HLTH 3513 - Health Admin and Policy**

This course is designed to examine the components of health care in the United States. This course will provide an understanding of health care financing and its impact on access to health care and the delivery of health care to different populations. Health policy and governmental influences impacting healthcare organizations will also be discussed. Prerequisite(s): HLTH 1112 and junior or senior standing.

### **HLTH 3990 - Advanced Topics In Health**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **HLTH 4103 - Human Development**

The course will examine human growth and development across the life span with emphasis upon normal growth and milestones achieved in the physical, cognitive, social, and emotional systems.

### **HLTH 4203 - Health Assessment & Evaluation**

This course is designed to assess community population needs and then evaluate community programs in response to those needs. This course focuses on community needs assessments, surveillance and program evaluation as utilized in the community and public health fields. Emphasis will be placed on the student's preparation for the Certification Health Education Specialist (CHES) credential. Prerequisite(s): BIO 2102 and Admission to the Community/Public Health Program with junior standing or above.

### **HLTH 4223 - Health Equity & Determinants**

This course is designed to examine the impact of social, economic and environmental determinants of health on populations. Health inequities found among marginalized groups due to socioeconomic status, race/ethnicity, sexual orientation, gender, disability status, geographic location, or some combination of these factors will be highlighted. This course will explore health outcomes found among these populations and will address the health promotion policies required to attend to these issues. Prerequisite(s): HLTH 2203 and senior standing or above.

### **HLTH 4233 - Cont Issues in Public Health**

This course investigates contemporary (and often controversial) problems or issues related to the field of public health. the field of public

health is dynamic, requiring professionals who can articulate and examine both endemic and novel problems as well as multifactorial solutions. Specific issues addressed in the course will largely be determined by the historical appropriateness and current attention placed on the topics. While attention is given to increasing awareness of contemporary issues, course emphasis will focus on critical thinking, rational development, and evaluation of viewpoints on these issues. Prerequisite(s): HLTH 1112, HLTH 2203, HLTH 3263, HLTH 3403, HLTH 4103, and HLTH 4900 with senior standing.

### **HLTH 4313 - Healthy Aspects of Sexuality**

This course is designed to address advanced principles of human sexuality. A biological, psychological and sociological perspective is encompassed. The emphasis of the course is on problematical concepts and methods for facilitating human sexuality education in the public/community health setting within a comprehensive health education framework. Prerequisite(s): HLTH 1112 and junior or senior standing.

### **HLTH 4433 - Community Intervention**

This course will provide the pedagogical knowledge derived from health education theory as a way of implementing community health programs based on refined principles researched and established as valid and reliable for health promotion settings. This course will introduce and initiate knowledge and application skills that are pertinent for autonomy when directing a health promotion program and will include research and theory on cultural sensitivity and community work with the use of gatekeepers. This course is designed to orchestrate competence within health educators to effectively meet the demands of individuals, communities and society's health needs. Emphasis will be placed on the student's preparation for the Certified Health Education Specialists (CHES) credential. Prerequisite(s): HLTH 3323, HLTH 4203 and senior standing or above. Admission to the Community/Public Health Program.

### **HLTH 4443 - Resource MGMT in Public Health**

This course will provide an overview of basic concepts and theories of human resources management with a focus on leadership, team building, decision-making, problem solving techniques, and process improvement. This course will explain and apply basic principles and processes of grant writing in collaboration with a local partnership. Prerequisite(s): Senior standing. Enrollment open to Public Health majors only.

### **HLTH 4523 - Health and Aging**

This course provides a multidisciplinary approach to aging well and the promotion of healthy living in late life. The focus will be on identifying lifestyle factors that impact late life health and strategies to promote well-being in elderhood. Discussions of aging-related changes in all dimensions of wellness will include classification as primary, secondary, or tertiary aging. Prerequisite(s): HLTH 1112 with junior standing or above.

### **HLTH 4900 - Practicum: Public Health**

This course is a supervised in-service training appropriate to the individual's selected area of concentration with planning and supervision done jointly by the college faculty and agency site representative. Prerequisite(s): Concurrent enrollment in HLTH 2203 is required.

### **HLTH 4910 - Seminar In Public Health**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **HLTH 4920 - Workshop In Health**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **HLTH 4930 - Individual Study In Health**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HLTH 4950 - Internship: Public Health**

Credit will vary from 1 to 4 hours. The Public Health Internship is an in-depth/long-term field experience which provides the learners an opportunity to further acquire and develop knowledge and skills in the field of Public Health. This capstone learning experience allows students to apply the principles and concepts gained from course work to a field setting. Emphasis will be placed on the student's preparation for the Certified Health Education Specialist (CHES) credential. The Public Health program endorses the certification of public health professionals in the field. Interns are required to take the Certified Health Education Specialist (CHES) exam during their internship and the exam is part of the internship grade. Prerequisite(s): HLTH 3203, 4203 plus an additional 4 hours of 3000/4000 level health courses and written permission of instructor. Admission to the Community/Public Health program.

**HLTH 4960 - Institute In Health**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**HLTH 4970 - Study Tour In Health**

Credit will vary. Subject matter will vary within the department's field of study.

**HUMANITIES (HUM)****Department of Humanities & Philosophy****HUM 1012 - Fundamentals Of Humanities**

An introduction to the formal study of humanities as a discipline. Basic skills will be developed for understanding art, literature, and ideas as contributing parts of a greater whole rather than as separate entities. Particular emphasis will be placed on the humanities of the present.

**HUM 2000 - Topics In Humanities**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**HUM 2103 - Introduction To Religious Studies**

Introduction to Religious Studies will focus on defining and classifying religious practices and fundamental human questions concerning existence, ethics, and ultimate truths. These questions will be examined from numerous religious viewpoints (both Western and non-Western) that will lead to both a broader appreciation of the variety of religious experiences and an understanding of the academic approach to comparative religions. Prerequisite(s): ENG 1113.

**HUM 2113 - General Humanities: Ancient And Medieval**

General Humanities: Ancient to Medieval is a survey of art, architecture, music, literature, philosophy, and religion of Western culture from the beginnings of human culture to the end of the Medieval Period. Prerequisite(s): ENG 1213.

**HUM 2223 - General Humanities: Renaissance To Modern**

General Humanities: Renaissance to Modern is a survey of art, architecture, music, literature, philosophy, and religion of Western culture from the end of the Medieval Period to modern times. Prerequisite(s): ENG 1213.

**HUM 2243 - Literature and Culture**

This course is an interdisciplinary study of Western and Non-Western cultural traditions using literature as a focal point of analysis.

**HUM 2273 - Art and Culture**

This course is an interdisciplinary study of Western and Non-Western cultural traditions using it as a focal point of analysis.

**HUM 2303 - Music and Culture**

Music and Culture is an interdisciplinary study of Western and Non-Western cultural traditions using music as a focal point of analysis. Prerequisite(s): ENG 1213

**HUM 2333 - Philosophy and Culture**

This course is an interdisciplinary study of Western and Non-Western cultural traditions using philosophy as a focal point of analysis.

**HUM 2423 - Non-Western Humanities**

This course is a study of the significant ideas of humanity as manifested in the arts, philosophy and religion of the Non-Western world.

**HUM 3000 - Workshop In General Humanities**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**HUM 3013 - Bronze Age Humanities**

This course is an interdisciplinary study of the cultural accomplishments of the Bronze Age. The art, literature, and philosophies of the ancient world are given equal emphasis to provide a comprehensive understanding of Egyptian, Mesopotamian, and Aegean civilizations.

**HUM 3033 - Medieval Humanities**

This course is an interdisciplinary study of the cultural accomplishments of Europe that date from the fall of Rome to the dawn of the Renaissance. The art, literature, and philosophies of the medieval period are given equal emphasis to provide a comprehensive understanding of the world of the middle ages.

**HUM 3043 - Renaissance & Baroque Humanities**

This course is an interdisciplinary study of the cultural accomplishments of Europe that date from the beginning of the Renaissance, through to the Baroque, the Rococo, and the Enlightenment. The art, literature, and philosophies of these cultural phases are given equal emphasis to provide a comprehensive understanding of four centuries of Europe in the pre-modern period.

**HUM 3053 - 19th & 20th Century Humanities**

This course is an interdisciplinary study of the cultural accomplishments of western civilization from the age of revolution to the present. The art, literature, and ideas of the last 200 years are given equal emphasis to provide a comprehensive understanding of the complexities of modern culture.

**HUM 3063 - American Humanities**

This course is an interdisciplinary study of the cultural accomplishments of America from its colonial past to the immediate present. The art, literature, music, and philosophies of the United States are given equal emphasis to provide a comprehensive understanding of the development and influences of American culture.

**HUM 3073 - Native American Humanities**

This course is an interdisciplinary study of the cultural accomplishments of the Native Americans. The art, literature, music, and philosophies of various Indian tribes will be given equal emphasis to provide a comprehensive understanding of Native American cultures past and present.

**HUM 3113 - Old Testament Humanities**

Old Testament Humanities is an interdisciplinary course that examines the textual, philosophical, and cultural traditions of Judaism, from the earliest Hebrews to the rebellions against Hellenization. In addition to critically examining the origins and investigating the diverse interpretations of the canonical and apocryphal texts associated with the Old Testament (or Tanakh), students will also explore the cultural environment that gave birth to the people known successively as the Hebrews, the Israelites, and the Jews. Prerequisite(s): Junior standing.

**HUM 3123 - New Testament Humanities**

New Testament Humanities is an interdisciplinary course that examines the textual, philosophical, and cultural traditions of early Christianity from the time of Jesus to the Fall of Rome. In addition to gaining a critical appreciation for the origins and diverse interpretations of the

canonical texts that became the New Testament, students will explore the Judaic, Hellenistic, and Roman cultural environments that gave birth to Christianity. Prerequisite(s): Junior standing.

### **HUM 3133 - Ancient Greek Culture**

Ancient Greek Culture is an interdisciplinary humanities course that examines the accomplishments of the Hellenes. The art, literature, music, and philosophy of the Greeks will be given equal emphasis to provide a comprehensive understanding of one of the central foundations of Western Civilization. Prerequisite(s): Sophomore standing or above.

### **HUM 3233 - Ancient Roman Culture**

Ancient Roman Culture is an interdisciplinary humanities course that examines the accomplishments of the Romans. The art, literature, music, and ideas of the Romans will be given equal emphasis to provide a comprehensive understanding of one of the central foundations of Western Civilization. Prerequisite(s): Sophomore standing or above.

### **HUM 3303 - Early Christian Humanities**

Early Christian Humanities is an examination of the development of the Christian Church during the Ancient Period. The topics to be covered are Christian beliefs, doctrines, heresies, literature, art, architecture, music, and liturgy within their historical context.

### **HUM 3423 - Enlightenment Humanities**

Enlightenment Humanities is an interdisciplinary course that examines the accomplishments of the Enlightenment. The art, literature, music, and philosophies of Enlightenment Europe (with focus on the 18th century) will be given equal emphasis to provide a comprehensive understanding of the Enlightenment period of Western Civilization.

### **HUM 3903 - History Of Film I**

This course is an intensive study of the early history of cinema, from the development of the medium, through the establishment of narrative film traditions, to the classic motion pictures of the first half of the 20th century. This course replaces ENG 3903. Prerequisite(s): Junior standing.

### **HUM 3913 - History Of Film II**

This course is an intensive study of the history of film from 1950 to the present. Both American and foreign cinematic traditions will be covered. This course replaces ENG 3913. Prerequisite(s): Junior standing.

### **HUM 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **HUM 4083 - Film Criticism**

Film Criticism examines classic and contemporary film theory and criticism of the twentieth- and twenty-first centuries against a background of film illustrations, other arts, and aesthetic ideas. Studying canonical as well as more recent texts, students will gain a greater understanding of film as a changing artistic medium, a globally varied form of cultural expression, and an international commodity.

### **HUM 4113 - World Religions**

World Religions is an interdisciplinary course that examines the diverse phenomena of humanity's various religious practices and beliefs. Cultural and intercultural parallels will be drawn, and similarities and differences distinguished. Through an exposure to the diverse means by which religions are made manifest, students will gain a broader contextual framework within which they may better understand both their own convictions and those of others. Prerequisite(s): Junior standing.

### **HUM 4123 - Pagan Europe**

Pagan Europe is an interdisciplinary course that examines the religious, philosophical, and cultural perspectives of European peoples before the advent of Christianity. Extinct religious practices from the Paleolithic Period to the Viking Age will be evaluated to extrapolate both their particular characteristics and their universal aspects. Prerequisite(s): Junior standing.

### **HUM 4133 - Women, Witches, & Religion**

This interdisciplinary seminar examines the phenomena of women whose lives lie outside of the norms of social expectations. Literary, historical, psychological, philosophical, and religious responses to such women will be evaluated to gain an understanding of female heterodoxy, from biblical times to the present. Prerequisite(s): Junior or senior standing.

### **HUM 4223 - Jerusalem: One City/Three Religions**

Jerusalem: One City/Three Religions examines the religious, historical, cultural, and political phenomena of the extraordinary city of Jerusalem, considered a holy place in Judaism, Christianity, and Islam. Prerequisite(s): Junior or senior standing.

### **HUM 4233 - Anthropology of Religion**

Anthropology of Religion provides an advanced overview of the anthropology of religion. The class will cover various ways of understanding religion through an anthropological lens, including the study of ritual, rites of passage, shamanism, myth, witchcraft, and primal religions in a cultural context. Prerequisite(s): Junior or senior standing.

### **HUM 4303 - National Cinemas**

National cinemas is an interdisciplinary course that examines the diverse phenomena of world cinema. Cultural and intercultural parallels will be drawn, and similarities and differences distinguished. Through an exposure to the diverse nature of foreign cultures, students will gain a broader contextual framework within which they may better understand both their own cinematic conventions and those of others. Prerequisite(s): Junior standing.

### **HUM 4323 - When God was a Woman**

When God was a Woman examines the historical and cultural phenomena of religious traditions involving the worship of Goddesses, in particular those outside the monotheistic male-oriented Abrahamic faith. Literary, historical, psychological, philosophical and religious responses to and interpretations of such traditions will be evaluated to gain an understanding of this heterodoxy, from ancient times to the present. Prerequisite(s): Junior or senior standing.

### **HUM 4413 - Apocalypse and Armageddon**

Apocalypse and Armageddon is an interdisciplinary examination and analysis of our modern preoccupation with "end times." As the world becomes a more dangerous place and as we have literally become capable of destroying our planet, the fears of our age have rallied around apocalyptic and post-apocalyptic paradigms. These manifest themselves not only in religion, but in literature, film, broadcasting, and other forms of cultural expression. Prerequisite(s): Junior level or above.

### **HUM 4513 - Dante's Inferno**

In Dante's Inferno, students will be immersed in the mind of the high middle ages through a close reading of Inferno, the first canticle of Dante's epic poem The Divine Comedy. Students will follow Dante on his journey through Hell, exploring his view of humanity, history, art, theology, poetry, and the classical past. Students will learn to read "archetypally" by approaching the poem through Dante's fourfold method: then read each canto not just on the literal level of the sensory experience, but also on the typological (allegorical), tropological (moral), and finally anagogical (transcendent or spiritual) levels. Prerequisite(s): Junior or senior standing.

### **HUM 4603 - Medieval Folklore**

Medieval Folklore explores the various forms of Medieval folklore and folklife, with emphasis on the cultural experiences of the common people. Topics include material culture, legends, superstitions, folk belief, rituals and festivals, childhood, foodways and other pertinent areas. Prerequisite(s): Junior or senior standing.

### **HUM 4803 - Humanities Capstone**

The Humanities Capstone course synthesizes the topics Humanities students have encountered during their major program. Students

analyze their own scholarship in a paper they have written for an earlier course, and then revise that paper to improve it. Students then choose a new topic to cover in a culminating scholarly paper. The new paper is presented orally in a public forum. Prerequisite(s): Enrollment open to Humanities majors with senior standing.

#### **HUM 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **HUM 4910 - Seminar In General Humanities**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **HUM 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **HUM 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **HUM 4940 - Field Study In Humanities**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

#### **HUM 4950 - Internship In Humanities**

Credit will vary from 1 to 8 hours.

#### **HUM 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **HUM 4970 - Study Tour In Humanities**

Credit will vary. Subject matter will vary within the department's field of study.

### **INTERNATIONAL BUSINESS (IB) Department of Economics**

#### **IB 2000 - Topics in International Business**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **IB 3000 - Workshop in International Business**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **IB 3433 - The Business of Latin America**

This course is a study of the cultural, economic, regulatory, and political aspects of business in Latin America. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within the Western Hemisphere. Prerequisite(s): Junior standing or above.

#### **IB 3443 - The Business of Europe**

This course is a study of the cultural, economic, regulatory, and political aspects of business in Europe. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within European countries and the European Union. Prerequisite(s): Junior or senior standing.

#### **IB 3453 - The Business of Africa/Middle**

This course is a study of the cultural, economic, regulatory, and political aspects of business in Africa and the Middle East. The course includes,

but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within African and Middle Eastern countries. Prerequisite(s): Junior or senior standing.

#### **IB 3463 - The Business of Asia-Pacific**

This course is a study of the cultural, economic, regulatory, and political aspects of business in Asia, with a particular emphasis on China and India. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within Asia, the Pacific Rim, and Oceania. Prerequisite(s): Junior or senior standing.

#### **IB 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **IB 4363 - International Business Research**

This course is a culminating experience for students majoring in International Business (IB). Emphasis is placed on students' ability to integrate their knowledge of business, international concepts, and their world region specialization through research, discussion, networking, and career development activities. A program capstone assessment experience is also included. Prerequisite(s): Completion of 90 total credit hours of which 45 should be upper-level business courses and senior standing.

#### **IB 4900 - Practicum in International Business**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **IB 4910 - Seminar in International Business**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **IB 4920 - Workshop in International Business**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **IB 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **IB 4940 - Field Study in International Business**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

#### **IB 4950 - Internship in International Business**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **IB 4960 - Institute in International Business**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **IB 4970 - Study Tour in International Business**

Credit will vary. Subject matter will vary within the department's field of study.

### **INSTRUCTIONAL MEDIA (IME)**

#### **Donna Nigh Department of Advanced Professional & Special Services**

#### **IME 1102 - Use of the Library**

Students will learn to do library research using online and print resources. They will learn the life cycle of information and how to discriminate between various types of information in order to select credible resources suitable for academic use. They will learn how to develop a

research topic and create a bibliography, using accepted style formats. These research skills are essential for college and beyond. Recommended for all freshmen.

### **IME 1201 - Information And Research Strategies**

This survey course develops research methodologies and information discrimination techniques using print, nonprint, and electronic resources. While all basic subject areas will be introduced, the student's specialized subject area will be emphasized. Examination, evaluation, and application of classification systems, research methodology, bibliography development, writing style formats, and traditional and electronic resources will be stressed. Recommended for all freshmen.

### **IME 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics of a library media education nature, each taught by a member of the library media staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

### **IME 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **IME 3312 - Technology for Teachers**

This course provides proficiency at utilizing technology in the P-12 classroom arena. Focus is on curriculum integration. Prerequisite(s): Computer literacy - with knowledge of Office applications including Word, Excel, and PowerPoint; knowledge of use of the Internet is also required. Must be Sophomore standing or above. Enrollment open to teacher education majors only.

### **IME 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **IME 4163 - Library Materials For Elementary Schools**

Emphasis on building a library collection suitable to the interests of elementary school students, their reference needs, and curriculum requirements of the elementary school.

### **IME 4183 - Library Materials For Secondary Schools**

This course examines qualitative and contemporary resources for young adult media center collections. Evaluation and application of genres, themes, literary aspects, authors, and curriculum uses are examined.

### **IME 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **IME 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **IME 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **IME 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **IME 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

### **IME 4950 - Internship**

Credit will vary from 1 to 8 hours.

### **IME 4960 - Institute**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **IME 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

## **INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT (ISOM)**

### **Department of Information Systems and Operations Management**

### **ISOM 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics of a business statistics nature, each taught by a member of the business statistics staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance, and relevance to problems of contemporary society.

### **ISOM 2013 - Personal Computer Productivity**

This course enables students to enhance their knowledge and develop their skills in the use of packaged computer software. Students will complete individual projects in functional areas of business using applications such as document management, spreadsheet, and database. Students will learn computer search techniques to research business topics.

### **ISOM 2313 - Programming For Business Applications**

This course is designed for students who will help organizations obtain and integrate application programs to improve business processes rather than develop and write extensive programs. Programming fundamentals are examined to enable students to write simple programs or modify and integrate existing programs to meet rapidly changing business requirements. Students will be able to understand the role of program code and data in the development of an organization's business applications. Prerequisite(s): Sophomore, junior or senior standing.

### **ISOM 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **ISOM 3123 - Supply Chain Analytics**

This is an introductory course focusing on management science/operations research techniques used in analytical decision making. The major topics covered include: linear programming modeling and solution, distribution problems, network models, project management, queuing theory, forecasting, and inventory models. Application of these techniques in areas such as production, supply chain, marketing, and finance are covered. Students implement spreadsheet analysis to solve quantitative problems. Prerequisite(s): ISOM 3323.

### **ISOM 3263 - Management Information Systems**

Managerial/organizational information needs and the role of information systems in business organizations will be identified. Students will also describe the functions and uses of computer hardware and software technologies used in solving information systems which are developed and implemented. The development and implementation of such systems will be explored. Prerequisite(s): Sophomore standing or above.

### **ISOM 3313 - Operations Management**

This course is designed to acquaint the student with the area of operations management. This is an overview course in operations management where students will be exposed to the different tools used by upper management, in both the service sector as well as the manufacturing

sector, to improve the decision making process. Topics include: productivity, strategy, decision making, quality improvement, work measurement, project management; and product, process, capacity, and layout decisions. Prerequisite(s): ECON 2173.

### **ISOM 3323 - Business Analytics**

Business Analytics teaches students to use business data to solve problems, make decisions, and impact an organization. Students will learn how data analytics change organizations and to manage the analytics business function. Students gain experience using popular data analysis and presentation software tools, apply analytics problem solving to data from numerous industries and disciplines, and identify the most effective methods to present quantitative data in order to maximize understanding. Prerequisite(s): ECON 2173.

### **ISOM 3343 - IT Security and Risk Management**

This course provides an introduction to information security and risk management at the organizational level. Critical security principles used to plan, develop, and perform security tasks are addressed. Issues concerning hardware, software, processes, communications, applications, policies and procedures are covered. Prerequisite(s): ISOM 2313 and junior or senior standing.

### **ISOM 3363 - Business Problem Solving with Software**

This course will focus on developing and implementing business applications using spreadsheet software and database management tools. Topics include an overview of the benefits of the Office Open XML File Formats; review of basic database design concepts; use of spreadsheet tools to solve managerial and organizational problems to enhance the business organization and the business problem solving process. Prerequisite(s): ISOM 3323.

### **ISOM 3373 - Information Technology and System Software**

The primary objective of this course is to provide the practical knowledge and skills needed to understand, install, maintain, and upgrade PC-type microcomputer systems in a networked environment. The course covers the underlying technology and methodology for performing these operations and enables systems development personnel to understand tradeoffs in computer architecture for effective use in a business environment. Prerequisite(s): Junior or senior standing.

### **ISOM 3393 - Mobil App Programming for Business**

This course emphasizes skills for designing and developing mobile applications to solve real-world business problems. Java, XML, SQL & other appropriate programming languages and tools (e.g., Android Studio) are used for developing these applications. The topics in this course include mobile operating systems and development environments, design issues for mobile device user interfaces, and data issues for mobile devices. Prerequisite(s): ISOM 2313 and ISOM 3363 with junior or senior standing.

### **ISOM 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ISOM 4043 - Operations Planning & Control**

This course is designed to acquaint the student with the methods of planning and control for operations. Topics include: inventory planning and control, material requirements planning, procurement, aggregate capacity and production planning, scheduling and control, statistical quality control, and maintenance. Prerequisite(s): ISOM 3313.

### **ISOM 4063 - Computer Simulation**

This course focuses on the use of computer simulation for business process improvement. Through the use of Monte Carlo and discrete-event simulation modeling, the student will learn to conduct simulation studies beginning with problem statement and extending through output analysis and improvement design. A modern computer simulation software package will be used in the course. Prerequisite(s): ISOM 3313.

### **ISOM 4163 - Business Systems Analysis & Design**

Business Systems Analysis & Design examines the overall business firm as a balanced decision-making supersystem of integrated subordinate subsystems. The concept of information system planning, design, and utilization is approached through recognized system development procedures. In addition, case studies and simulation models are used to demonstrate the importance of effective business information processing systems. Prerequisite(s): ISOM 3363. Must be Junior standing or above.

### **ISOM 4263 - Data Resource Management**

This course examines how organizations use technology to manage data as an organizational resource. Students will learn to analyze an organization's purpose and develop an information system that will meet the data needs of the organization. Topics include methods for assessing data requirements, developing a conceptual data design, translating that design into an operational information system, and administering and managing organizational data. Credit may not be earned for both ISOM 4263 and CMSC 4003. Prerequisite(s): ISOM 3363. Junior standing or above.

### **ISOM 4283 - Developing Decision Support Systems**

Students will understand how information technology can be used to support semi-structured decision-making process itself, the data and model components of the system, user-interface design, and implementation and evaluation of support systems. Students will learn how to develop flexible solutions, using packaged computer software, that support various business decisions. They will design and demonstrate prototype decision support systems. It will be expected that these systems draw data from multiple sources and apply decision models from the functional areas of business. Prerequisite(s): ISOM 3363.

### **ISOM 4303 - Business Application Management**

This second programming oriented course in the MIS major will provide students with a basic understanding of two-tiered and three-tiered business applications that share a common database. Students will create programming objects that may be reused across a number of applications. Students will understand how to create web-based user interfaces for eCommerce applications. Prerequisite(s): ISOM 2313.

### **ISOM 4323 - Methods Of Operations Supervision**

Emphasis is on the functions of the supervisor as the link between middle management and the operative work force. To supervise is to oversee people and supervision is, therefore, a function of all managers. However, the first-line supervisor is in a unique position to influence positively the productivity and morale of rank-and-file workers. This course focuses on three major functions of the supervisor: leading, producing, and training. It applies methods and techniques that have been used successfully in government and business to develop effective supervisors. Prerequisite(s): MGMT 3103.

### **ISOM 4333 - Project Management**

This is a course in which the management of projects is compared and contrasted with functional management. The dimensions of time, cost and quality are emphasized. Human resources, communication, procurement, risk, and integration are also covered. Students will plan a project using state-of-the-art software. Prerequisite(s): ISOM 3313, MGMT 3103.

### **ISOM 4353 - Quality Assurance**

This course is designed to enhance the student's awareness of the vital role quality plays in the continuous drive to improve organizational effectiveness. Those who complete the course will have a strong understanding of the basic concepts associated with the philosophy of quality management, quality planning, statistical process control, process improvement, reliability, supplier and customer relationships and quality information systems. Prerequisite(s): ECON 2173 and MGMT 3103.

**ISOM 4363 - Information Systems Management**

This course covers managing the information systems (IS) function in organizations and how IS support organization capabilities. From a senior management perspective, students explore the evaluation, selection, acquisition, and implementation of enterprise IS and related policies. The course addresses the operational, administrative, and strategic IS needs of the organization. Students learn frameworks and strategies for assessing and managing IS infrastructure, analyzing IT investment, and evaluating emerging technologies. Prerequisite(s): Senior standing, ISOM 4163 or 4263.

**ISOM 4463 - Managing/Troubleshoot Networks**

The primary objective of this course is to provide the practical knowledge and skills needed to understand system and network administration in a small to medium-sized organization with a Windows client/server environment. It is assumed that the student has already gained proficiency in the current client version of the Windows operating system and that the student possesses basic computer hardware and system software knowledge. This course will expand that knowledge to cover concepts and skills necessary to administer computing resources in a Windows Server environment. Specific topics will include network configuration and troubleshooting, operating system configuration and troubleshooting, application software installation and configuration, computer and network security, storage management, and fault tolerance. Prerequisite(s): ISOM 3373 or concurrent enrollment in ISOM 3373 and junior or senior standing.

**ISOM 4503 - Developing SQL Server Database**

This course provides students with the opportunity to implement a relational database design using the industrial-strength database management system SQL Server. Students will build upon their knowledge from previous programming and database courses to gain an understanding of the architecture and uses of SQL Server. This course provides a foundation in database development, both Windows and Web-based, that emphasizes practical knowledge and marketable skills. Prerequisite(s): ISOM 2313, 4263 and junior or senior standing.

**ISOM 4513 - Virtualization**

The primary objective of this course is to provide the understanding and abilities needed to plan, configure, and manage virtual environments. It is assumed that the student has gained proficiency in a Windows server operating system version and that the student possesses basic computer hardware and system software knowledge. This course will cover the knowledge and skills necessary to implement and maintain virtual server hosts, virtual servers, and virtual desktops. Prerequisite(s): ISOM 4463 and junior or senior standing.

**ISOM 4843 - Operations & Supply Chain**

This course is intended as an integrative experience for students studying operations and supply chain management. The course will provide an understanding of the collection of people, resources, and activities involved in bringing materials and information together to produce and deliver goods and services to customers. A global framework for understanding how complex production and supply chain systems behave will be offered with a strong emphasis on management decision making. Successfully completing this course should provide students with the skills and knowledge they need to enter a professional position in operations and supply chain management. Prerequisite(s): ISOM 4043, MRKT 3313 and junior or senior standing.

**ISOM 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ISOM 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ISOM 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ISOM 4930 - Independent Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ISOM 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**ISOM 4950 - Internship**

Credit will vary from 1 to 8 hours.

**ISOM 4960 - Institute**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ISOM 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**ITALIAN (ITAL)****Department of Modern Languages, Literature & Cultural Studies****ITAL 1114 - Elementary Italian I**

Elementary Italian I is an introduction to Italian pronunciation, conversation, grammar, reading, and composition. Students with two or more years of high school coursework in Italian or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Italian. Prerequisite(s): Heritage or native speakers of Italian and students with two or more years of high school Italian may not enroll in this course.

**ITAL 1224 - Elementary Italian II**

Elementary Italian II is a continuation of Elementary Italian I. Prerequisite(s): ITAL 1114 or two years of high school Italian. Students with more than two years of high school coursework in Italian or heritage speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Italian. Enrollment is restricted to students needing elementary-level instruction in Italian.

**ITAL 2000 - Topics in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ITAL 3000 - Workshop in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ITAL 3990 - Advanced Topics in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ITAL 4900 - Practicum in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ITAL 4910 - Seminar in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ITAL 4920 - Workshop in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **ITAL 4930 - Individual Study in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study

### **ITAL 4940 - Field Study in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ITAL 4950 - Internship in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ITAL 4960 - Institute in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **ITAL 4970 - Study Tour in Italian**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

## **JAPANESE (JAPN)**

### **Department of Modern Languages, Literature & Cultural Studies**

#### **JAPN 1003 - Elementary Japanese Conversation I**

A general introduction to Japanese conversation for individuals with no previous, formal study of Japanese.

#### **JAPN 1013 - Elementary Japanese Conversation II**

This course is the sequel to Elementary Japanese Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. Students will also master the two syllabaries and begin their study of Kanji. Prerequisite(s): JAPN 1003.

#### **JAPN 1114 - Elementary Japanese I**

Elementary Japanese I is an introduction to Japanese pronunciation, conversation, grammar, reading and composition. The student will learn the two Japanese syllabaries as well as 75 basic Kanji. Students with two or more years of high school coursework in Japanese or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Japanese. Prerequisite(s): Heritage or native speakers of Japanese and students with two or more years of high school Japanese may not enroll in this course.

#### **JAPN 1224 - Elementary Japanese II**

Elementary Japanese II is a sequel to Elementary Japanese I. The student will continue the study of Kanji, mastering approximately 150 Kanji. Students with two or more years of high school coursework in Japanese or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Japanese. Prerequisite(s): JAPN 1114 or two years of high school Japanese. Heritage or native speakers of Japanese and students with four years of high school Japanese may not enroll in this course.

#### **JAPN 2000 - Topics In Japanese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **JAPN 2113 - Intermediate Japanese**

This course reviews the basic principles of Japanese grammar studied in the first two semesters through extensive composition. The course further introduces more sophisticated grammatical structures in a communicative context thus giving equal attention to all four communicative skills. Writing will emphasize the acquisition of additional Kanji. Prerequisite(s): JAPN 1114, 1224.

#### **JAPN 3000 - Workshop In Japanese**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **JAPN 3990 - Advanced Topics In Japanese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **JAPN 4900 - Practicum In Japanese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **JAPN 4910 - Seminar In Japanese**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **JAPN 4920 - Workshop In Japanese**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **JAPN 4930 - Individual Study In Japanese**

Credit will vary from 1 to 4 hours. Study matter will vary within the department's field of study.

#### **JAPN 4940 - Field Study In Japanese**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

#### **JAPN 4950 - Internship In Japanese**

Credit will vary from 1 to 8 hours.

#### **JAPN 4960 - Institute In Japanese**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **JAPN 4970 - Study Tour In Japanese**

Credit will vary. Subject matter will vary within the department's field of study.

## **KINESIOLOGY (KINS)**

### **Department of Kinesiology and Health Studies**

#### **KINS 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KINS 2643 - Introduction To Kinesiology Studies**

This course will investigate the nature, scope, and impact that leisure services have on society including the historical and philosophical background, delivery systems, and professional preparation. This course replaces REC 2643.

#### **KINS 2713 - Physical Activity & Health**

This course is designed to examine the relationship between physical activity and health. It will explore the health benefits of a physically active lifestyle as well as the negative health consequences of physical inactivity. Basic concepts of physical activity promotion at the individual, group, community, national, and world-wide level will be presented. The goal of this course is for students to be able to demonstrate critical thinking and communication skills regarding the link between physical activity and health. Prerequisite(s): KINS 2643.

#### **KINS 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.



**KINS 3112 - Group Exercise Techniques**

The course will study principles and methods of exercise leadership. Primary focus will center on exercise programming and participation, teaching methods, technique evaluation, supervision, and leadership of various types of group exercise programs. Prerequisite(s): HLTH 3223 or BIO 2504 or FNRL 2214 and admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 3403 - Principles In Leadership Development**

This course will examine the leadership techniques, organizational and administrative procedures necessary to become an effective and productive leader in the leisure and fitness professions. Prerequisite(s): KINS 2643. This course replaces REC 3402.

**KINS 3503 - Pharmacology Health/Fitness Professionals**

This course will provide an overview into the medications commonly encountered by health/fitness and athletic training professionals. The course will address categories of drugs; generic and trade names of common drugs; the use, effects and precautions for common drugs; and drug interactions. It will also focus on how various drugs affect the individual's response to exercise and stress. Prerequisite(s): CHEM 1014 or 1103. Enrollment open to Exercise/Fitness Management majors only.

**KINS 3623 - Program Design And Management**

The course will examine the principles and practical applications for designing, implementing, monitoring, promoting, and evaluating a wide variety of program forms in the recreation, leisure and fitness industry. Prerequisite(s): KINS 2643. This course replaces REC 3623.

**KINS 3633 - Grant Writing & Fundraising**

This course will focus on methods, techniques, and direct experience in acquiring funds and in-kind resources necessary for the successful operation of philanthropic/community leisure/fitness agencies. All students will be expected to identify a worthy cause and write a proposal for submission to a viable funding agency. Students will have the opportunity to develop a fundraising activity for a specific agency. Prerequisite(s): KINS 2643. Junior or senior standing.

**KINS 3713 - Research and Evaluation**

This course is designed to provide an understanding of the processes and methods of research and evaluation, as they relate to kinesiology and health studies. Prerequisite(s): KINS 2643. Enrollment open to Kinesiology and Community Health majors only.

**KINS 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**KINS 4203 - Physical Activity and Aging**

This course is a study of the physiological, psychological, and social aspects of physical activity for older adults. Topics covered include an overview of aging, benefits of physical activity throughout the lifespan, and fitness assessment and programming options for older adults. Prerequisite(s): PHED 3503 and PHED 3333; KINS 4513 and KINS 4523 are recommended. Junior or senior standing and admission to the Kinesiology - Exercise and Fitness Management major. Enrollment open to Kinesiology majors only.

**KINS 4252 - Legal Aspects Leisure/Fitness Programs**

This course will provide an opportunity to study the legal responsibilities of persons functioning in the fields of recreation and exercise/fitness science. It will include both application and interpretation of the law. This course replaces PHED 4252.

**KINS 4263 - Performance Training Concepts**

This course is designed to increase the practical and theoretical understanding and knowledge of the physiological, biomechanical, and administrative aspects of designing and supervising strength and conditioning programs for various populations. Prerequisite(s): PHED 3503. Junior

or senior standing and admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 4323 - Exercise Programs For Special Populations**

This course is designed to increase the understanding and practical application of exercise to special populations. The students will learn and apply knowledge on how to modify exercise for individuals and groups based on age, medical conditions, and special needs. The areas covered will include but are not limited to: coronary heart disease, diabetes, asthma, obesity, pregnancy, physically and mentally challenged. Prerequisite(s): PHED 3503 and (KINS 4513 or concurrent enrollment) and admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 4413 - Applied Exercise Physiology**

This course will cover a breadth of material relevant to the exercise physiology field such as ergogenic aids, hormones and exercise training, exercise and weight control, and aging and disease prevention. The application of physiological principles of training for fitness will be examined. Prerequisite(s): PHED 3503, HLTH 1112, 3412, CHEM 1014 and 1014L. Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 4433 - Management Principles in Kinesiology**

This course will incorporate the study of management and administrative skills needed to successfully meet the demands of working in the areas of leisure, recreation, and fitness. It will include an in depth look into areas such as decision-making, personnel issues and budgetary concerns. This course replaces REC 4433. Prerequisite(s): KINS 3623. Senior standing. Enrollment open to Kinesiology majors only.

**KINS 4513 - Fitness Assessment**

The primary focus of this course is to provide exercise/fitness professionals with the knowledge and skills required to assess the physical fitness status of individuals. Attention will be placed on the measurement of human metabolic responses in laboratory and field settings. Prerequisite(s): PHED 3503. Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 4523 - Exercise Prescription**

This course will focus on the knowledge and skills necessary to effectively prescribe exercise programs to various populations. The students will demonstrate the ability to analyze physical assessments and apply appropriate exercise prescriptions to meet health-related physical fitness goals. Prerequisite(s): KINS 4513. Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Admission to the Kinesiology - Exercise and Fitness Management major.

**KINS 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**KINS 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**KINS 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): Written permission of department chair.

**KINS 4950 - Internship**

The Kinesiology Internship is a directed experience working in a wellness or fitness-related agency performing professional duties and respon-

sibilities. The Kinesiology and Health Studies-Exercise Fitness Management program is accredited by the Committee on Accreditation for the Exercise Sciences (CoAES) under the auspices of the Commission on Accreditation of the Allied Health Education Program (CAAHEP). This accreditation requires interns to take a nationally accredited certification exam (determined by the department). This certification exam must be completed during the internship and represents part of the internship grade. Prerequisite(s): KINS 3403, 3623, 4263, 4323, 4413, 4433, 4523 and 4900. Senior standing and admission to the Kinesiology - Exercise and Fitness Management major.

#### **KINS 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **KINS 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

### **KOREAN (KOR)**

#### **Department of Modern Languages, Literature & Cultural Studies**

#### **KOR 1114 - Elementary Korean I**

Elementary Korean I is an introduction to the Korean language, its written form, pronunciation, conversation, grammar, reading, and composition. Students with two or more years of high school coursework in Korean or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Korean. Prerequisite(s): Heritage or native speakers of Korean and students with two or more years of high school Korean may not enroll in this course.

#### **KOR 1224 - Elementary Korean II**

Elementary Korean II is a continuation of Elementary Korean I. Prerequisite(s): KOR 1114 or two years of high school Korean. Students with more than two years of high school coursework in Korean or heritage speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Korean. Enrollment is restricted to students needing elementary-level instruction in Korean.

#### **KOR 2000 - Topics in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 3000 - Workshop in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **KOR 3990 - Advanced Topics in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4900 - Practicum in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4910 - Seminar in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4920 - Workshop in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **KOR 4930 - Individual Study in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4940 - Field Study in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4950 - Internship in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4960 - Institute in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **KOR 4970 - Study Tour in Korean**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **LATIN (LATN)**

#### **Department of Modern Languages, Literature & Cultural Studies**

#### **LATN 1114 - Elementary Latin I**

This course is an introduction to Latin pronunciation, conversation, grammar, reading and composition.

#### **LATN 1224 - Elementary Latin II**

This course is a sequel to Elementary Latin I. Prerequisite(s): LATN 1114 or one year of high school Latin.

#### **LATN 2000 - Topics In Latin**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **LATN 2113 - Intermediate Latin**

Intermediate Latin presents a review of Latin grammar and application of grammatical principles through composition and readings. Prerequisite(s): LATIN 1114, 1224.

#### **LATN 2132 - Intermediate Latin Readings**

Selected readings. Prerequisite(s): LATIN 1114, 1224.

#### **LATN 3000 - Workshop In Latin**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **LATN 3990 - Advanced Topics In Latin**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **LATN 4900 - Practicum In Latin**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **LATN 4910 - Seminar In Latin**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and ENG 1213.

#### **LATN 4920 - Workshop In Latin**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **LATN 4930 - Individual Study In Latin**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LATN 4940 - Field Study In Latin**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**LATN 4950 - Internship In Latin**

Credit will vary from 1 to 8 hours.

**LATN 4960 - Institute In Latin**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**LATN 4970 - Study Tour In Latin**

Credit will vary. Subject matter will vary within the department's field of study.

### **LEADERSHIP (LEAD) University Courses**

**LEAD 1321 - Lessons in Leadership**

Lessons in Leadership is UCO's unique speaker series which features outstanding local and national leaders from a variety of backgrounds once a week.

**LEAD 1343 - Principles & Lessons in Leadership**

Principles and Lessons in Leadership provides students with a thorough understanding of leadership through the lens of multiple guest speakers, a strengths-based personal assessment, and the implementation of a service project in the local community. Students in the course participate in projects and conversations related to service learning, social justice, and personal leadership style.

**LEAD 2000 - Topics in Leadership**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LEAD 2213 - Theories of Leadership**

This course introduces the main conceptual approaches to organizational leadership. Students examine the relationships between leaders and followers within the context of organizational culture. Service obligations and ethical implications are emphasized.

**LEAD 3000 - Workshop in Leadership**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speakers, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**LEAD 3313 - Leadership & Civic Engagement**

Leadership and Civic Engagement explores the role of leadership and commitment to civic responsibility and action. Prerequisite(s): ENG 1113, ENG 1213, and (LEAD 2213 with a minimum grade of "C") and junior or senior standing.

**LEAD 3441 - Leadership & Social Media**

Leadership and Social Media highlights the role of social media and one's voice; specifically, this course examines leadership as illuminated by social media (/online). This course unpacks leadership through the impact of social media, including social change, campaigns, and messages via thought leaders, educators, celebrities, and politicians. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3451 - Leadership, Health & Wellness**

Leadership, Health & Wellness examines health and wellness strategies for leaders. The focus of the course includes pragmatic principles for incorporating healthy habits into the leader's personal life. The course also addresses theories of leadership that when employed will empower leaders to advocate and advance a culture of wellness within their business or organization. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3461 - Servant Leadership in Action**

Servant Leadership in Action explores the tenets of the servant leader model of leadership. Students examine multiple facets of servant leadership in theory and in practice, glean examples from current and historical examples to determine the qualities and characteristics of a servant leader and how to best integrate these principles in a personal leadership style. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3471 - Contemporary Leadership**

Contemporary Leadership explores the evolution of leadership study and its applications. This course examines recent leadership successes and failures to determine emerging challenges and opportunities for contemporary leaders. The course also focuses on developing a long-term analysis of students' personal service priorities and how to most effectively develop long-term goals for integration of these priorities into their lives. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3481 - Lead & Cultural Competency**

Leadership and Cultural Competency explores social justice models and discusses how they align with leadership. This course examines theories and discusses historical and current topics identifying characteristics of a culturally competent leader and how to align these practices in one's personal leadership style. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3491 - Leadership & Sexual Diversity**

Leadership and Sexual Diversity examines the complex ways in which sexual orientations, gender identities, and gender expressions are represented in the media and experienced in popular culture. This course focuses on the roles that sexuality and gender play in constituting and redefining leadership in contemporary culture. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3523 - Leadership Communication**

Leadership Communication examines relationships between effective communication and quality leadership in multiple contexts. This course is cross-listed with MCOM 3523 and credit may not be earned for both MCOM 3523 and LEAD 3523. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3533 - Women and Leadership**

Women and Leadership will critically examine historical and contemporary leadership challenges and opportunities facing women. A major focus of the course will center on strategies for change and success. Prerequisite(s): ENG 1113, 1213 and MCOM 1113 and junior standing or above.

**LEAD 3541 - Biblical Women: Leaders to Emulate**

Biblical Women: Leaders to Emulate will critically examine Biblical women's leadership opportunities, challenges and roles. A major focus of the course will center on strategies for their success which may be emulated today.

**LEAD 3552 - Jesus as Leader**

Jesus as Leader will critically examine leadership strategies of Jesus. A major focus of the course will center on the strategies and reasons for their success. Applications will bring relevance for today's leadership challenges. Note: This course may serve as an elective for the Leadership Minor. Prerequisite(s): Sophomore standing or above.

**LEAD 3601 - Leadership and Feedback**

Leadership and Feedback explore the organizational approach to receiving feedback. Students examine the tension that occurs in the feedback cycle, examine the various triggers that occur to interfere with feedback, and establish action plans to identify and eliminate feedback tension, resulting in a stronger ability to receive the messages of feedback. The emphasis is on interpretation of the message and the decision structure for future action. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3611 - Building Effective Teams**

Building Effective Teams examines the processes involved in selecting, building, and maintaining strong teams. Issues under examination include but are not limited to team formation and selection, managing problem solving processes in teams, and information sharing in teams. This course has a particular focus on the role of teams in the knowledge economy. Prerequisite(s): Sophomore standing or above.

**LEAD 3631 - Leadership & Immediacy Behaviors**

Leadership and Immediacy Behaviors will examine effective immediacy behaviors (verbal and nonverbal communication techniques/strategies) to increase leadership influence in multiple contexts. Prerequisite(s): Sophomore standing or above.

**LEAD 3723 - Measuring & Evaluating Leadership**

Measuring and Evaluating Leadership addresses the problems associated with defining and measuring leadership in ways that are consistent with theories of leadership and accepted research methods. The goal is to equip the student to become a proficient consumer and producer of evaluations of specific leaders. Prerequisite(s): Sophomore standing or above.

**LEAD 3731 - Leadership & Social Movements**

Leadership and Social Movements is designed to increase awareness and understanding of how leadership has been manifested in social movements within the United States. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3741 - Charismatic Leadership**

Charismatic Leadership explores the intriguing topic of leadership and its relation to what sociologists call charisma. Based on the work of sociologist Max Weber, this course canvasses the theoretical and practical application of charisma with an emphasis on leaders of new religious movements/cults. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3753 - Creative Problem Solving**

Creative Problem Solving offers a unique view of leadership through the lens of creative problem solving. Leadership approaches are reviewed, leading up to 21st century approaches built upon solving novel and complex problems in organizations and society. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113.

**LEAD 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LEAD 4213 - Leadership and Ethics**

Leadership and Ethics examines practical approaches to leadership and organizational ethics in the public and private sectors. Prerequisite(s): ENG 1113, ENG 1213, and (LEAD 2213 with a minimum grade of "C") and junior or senior standing.

**LEAD 4893 - Civic Leadership Capstone**

Civic Leadership Capstone provides practical experience for students pursuing training in leadership. Venues will vary upon approval of the instructor of the course. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, and (LEAD 2213, 3313, and 4213 with a minimum grade of "C") and junior or senior standing.

**LEAD 4900 - Practicum in Leadership**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LEAD 4910 - Seminar in Leadership**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LEAD 4920 - Workshop in Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**LEAD 4930 - Individual Study in Leadership**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LEAD 4940 - Field Study in Leadership**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LEAD 4950 - Internship in Leadership**

Internship in Leadership subject matter will vary within the department's field of study. Supervised practical experience will be gained in a professional setting. Credit will vary from 1 to 8 hours. Prerequisite(s): LEAD 2213 and three hours of upper division LEAD course(s) with a minimum grade of "C".

**LEAD 4960 - Institute in Leadership**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**LEAD 4970 - Study Tour in Leadership**

Credit will vary. Subject matter will vary within the department's field of study.

## LEGAL STUDIES (LS) Department of Finance

**LS 2000 - Topics In Legal Studies**

Credit will vary from 1 to 4 hours. Consists of selected legal topics chosen on the basis of student interest, significance, and relevance to problems of contemporary society.

**LS 3113 - Legal & Ethical Environ of Business**

This course provides an overview of the American legal system as it relates to business, ethical issues in business decision making, and the major sources of law in the United States, with special emphasis on the law of contracts. Other topics include administrative law, labor and employment law, employment discrimination, and concepts of tort law including negligence, intentional torts, strict liability and products liability. Prerequisite(s): Junior standing or above.

**LS 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LS 4143 - Law Of Business Organizations**

A course involving the study of the law relating to the formation, operation, and termination of various forms of business organizations with special emphasis on partnerships and corporations. Includes a study of the law of agency. Prerequisite(s): LS 3113.

**LS 4153 - Contemporary Workplace Issues**

This course provides an in-depth study of cutting edge legal issues facing business managers in today's workplace. The course emphasizes federal and state civil rights statutes and court interpretation of those statutes.

**LS 4163 - Law for E-Commerce**

This course will explore a broad spectrum of interesting, important, and rapidly developing issues of the law of cyberspace - such as the law of online contracts and other e-commerce legal issues, privacy, content regulation, workplace issues, intellectual property, and computer crime.

**LS 4173 - Law Of Real Property**

A course dealing with the general law of real property; historical development, deeds and conveyancing, landlord - tenant relationships, mortgages, types of estates, joint ownership of property, and wills, trusts, and estates. Prerequisite(s): LS 3113 recommended.

**LS 4223 - Law Of Commercial Transactions**

A concentrated study of the uniform commercial code in the areas of sales law, negotiable instruments, and secured transactions; includes a study of creditor's rights and bankruptcy. Prerequisite(s): LS 3113.

**LS 4323 - Estate Planning and Administration**

Estate Planning and Administration covers legal issues associated with estate planning, including elder law issues, and estate administration. This course examines estate planning alternatives including Wills, Trusts and Transfer-on-Death instructions. This course also examines the administration of probate, non-probate and trust estates. Prerequisite(s): LS 3113.

**LS 4533 - Law Of International Business Transactions**

This course examines the legal and ethical environment of international business. Topics include international treaties and conventions, comparative legal systems, legal problems faced by international business managers, and the resolution of international business disputes. Prerequisite(s): LS 3113 recommended.

**LS 4623 - Legal Research and Writing**

Students will learn to conduct legal research, critically analyze legal and factual information and produce comprehensive legal documents for business applications. Prerequisite(s): LS 3113.

**LS 4883 - Legal Issues in Business**

Legal Issues in Business explores the myriad of legal issues facing businesses. This course will integrate in a comprehensive manner the laws pertaining to contracts, business organizations, commercial transactions, statutory and regulatory compliance, real, personal and intellectual property rights, and other topical and relevant business and legal issues. Prerequisite(s): LS 3113, LS 4143 and LS 4223.

**LS 4910 - Seminar In Legal Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LS 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**LS 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**LS 4950 - Internship In Legal Studies**

Credit will vary from 1 to 8 hours.

**LS 4970 - Study Tour**

Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

**LS 4970 - Study Tour**

Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

**MATHEMATICS (MATH)****Department of Mathematics and Statistics****MATH 0213 - Quantitative Literacy**

The focus of this course is to develop the quantitative skills necessary to be successful in MATH 1113. Students will learn a variety of problem-solving strategies including reasoning with proportions, numeracy, interpretation of graphs, and formula usage.

**MATH 0313 - Foundations of Algebra**

Topics covered in this course will include polynomial arithmetic, solving equations and inequalities, and graphing.

**MATH 0413 - Support for Applied Algebra**

This course will cover topics concerning the properties of the real number system, the solutions of equations and inequalities, the algebra of rational expressions, exponents and radicals, an introduction to quadratic equations, functions and graphs, and the solution of systems of linear equations. Prerequisite(s): MATH 0313 or an appropriate mathematics placement test score.

**MATH 1113 - Mathematics For General Education**

This course surveys mathematical topics that are not intended as preparation or substitution for College Algebra. The goals of this course are to develop quantitative skills necessary for students to better understand their world and to place mathematics in a context that develops their appreciation of its history, sophistication, and utility as an ongoing human activity. A broad range of topics are selected from: logic and set theory, numeration and number systems, geometry, mathematical models, probability, statistics and inference, graph theory, personal financial applications, and fair apportionment of resources. Prerequisite(s): Three units of high school mathematics or the equivalent.

**MATH 1453 - Applied Algebra**

This course is designed to prepare students for Trigonometry, Bio-Calculus, Math Analysis for Business, and quantitative courses in non-mathematical fields. Topics include algebra, properties and analysis of functions, and modeling. In particular, this course covers: linear, power, polynomial, rational, exponential, and logarithmic functions (and their applications); solving equations; building, analyzing, and interpreting mathematical models and graphs. Prerequisite(s): Three years of high school mathematics or the equivalent.

**MATH 1513 - College Algebra**

This course is an overview of algebraic topics used in real world applications. Topics include complex numbers, variation, solving equations and inequalities, properties and the algebra of functions, graphing basic functions and their transformations, polynomial and rational functions, exponential and logarithmic functions, as well as modeling and real world applications. This course also serves as a preparatory course for Bio-Calculus and Mathematical Analysis for Business.

**MATH 1533 - Precalculus-Algebra**

This course is designed to prepare students for Calculus 1. Topics include properties and characteristics of functions and their graphs, including: linear, quadratic, polynomial, piecewise, exponential, logarithmic and rational functions, solving equations and inequalities, transformations, conic sections, solving linear equations using matrices, solving nonlinear systems, and an introduction to sequences and series. Prerequisite(s): Concurrent enrollment in MATH 1533D is required.

**MATH 1533D - Precalculus Algebra - Drill**

This drill session accompanies MATH 1533 and provides support, enrichment, and directed problem solving related to Precalculus-Algebra. Concurrent enrollment in MATH 1533 is required.

**MATH 1593 - Plane Trigonometry**

This course is designed for students to acquire computational proficiency with traditional topics from plane trigonometry. Content includes definitions and graphs of the six trigonometric functions, techniques for solving right and oblique triangles, the inverse trigonometric functions, trigonometric identities, and solving trigonometric equations in isolation and in the context of applications. Prerequisite(s): MATH 1453 or MATH 1513 with a minimum grade of "C" or (MATH 1533 or concurrent enrollment in MATH 1533) or appropriate placement score.

**MATH 2000 - Topics In Mathematics**

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

**MATH 2013 - Structures Of Mathematics**

Topics include the structure of number systems, operations, properties, ordering, functions and number theory beginning with natural numbers and extending through the set of all real numbers. This course is specifically designed for elementary education, special education, and early childhood education majors.

**MATH 2023 - Foundations Of Geometry & Measurement**

This course surveys geometry and measurement in order to develop a foundation in shapes, measurement, congruence and similarity, coordinate geometry, and geometric transformations.

**MATH 2053 - Math Analysis for Business**

This course explores the mechanics underlying differential and integral calculus, with an emphasis on their applications to business. The course is designed to equip business students with the tools to solve problems involving limiting values, differentiation, interpretations of the derivative, antiderivatives, and indefinite and definite integrals. Prerequisite(s): MATH 1453 or MATH 1513 or MATH 1533 all with a minimum grade of "C" or appropriate placement score.

**MATH 2113 - Analysis Of Data And Chance**

This course will introduce students to statistics, counting techniques, probability, techniques in simulation, sampling, and consumer mathematics. This course emphasizes the use of real data, active experiments, problem solving, and student participation. This course is specifically designed for those preparing to teach at the elementary school level. Prerequisite(s): MATH 2013 with a minimum grade of "C".

**MATH 2123 - Survey of Discrete for Math Education**

This course is specifically designed for math education majors. It introduces a variety of topics which include logic, set theory, combinatorics, sequences, series, induction, relations and their properties, graph theory, modular arithmetic and applications such as cryptography. Prerequisite(s): MATH 2313.

**MATH 2133 - Patterns And Functions**

This course includes real-world applications solved in an active-learning environment. Topics include the treatment of mathematical patterns, functions, equations, graphs, algebraic structures and linear inequalities. This course is specifically designed for those preparing to teach at the elementary school level. Prerequisite(s): MATH 2013 with a minimum grade of "C".

**MATH 2153 - Bio-Calculus**

This calculus course emphasizes limits, differentiation, and integration, and their applications to biology. Selected topics and applications include modeling with discrete-time dynamical systems and optimization. Prerequisite(s): MATH 1453 or MATH 1513 or MATH 1533 or high school Algebra II each with a minimum grade of "C" or appropriate placement score.

**MATH 2305 - Accelerated Calculus 1 & 2**

Accelerated Calculus 1 & 2 contains the combined content of MATH 2313, Calculus 1, and MATH 2323, Calculus 2, and is designed for Physics & Engineering majors and for other majors who desire an accelerated pace in their calculus instruction. The content of the course includes limits and continuity, differentiation and its basic applications, as well as integration and its basic applications, all in the context of both algebraic and transcendental functions of a single real variable. Prerequisite(s): MATH 1513 (or high school Algebra II) and MATH 1593 (or high school Trigonometry) both with a minimum grade of C.

**MATH 2313 - Calculus 1**

This is the first course of a four-semester sequence of differential and integral calculus with applications. The course covers limits and continuity, derivatives and their applications as well as the basic theory of Riemann integration in one variable, u-substitution, and the funda-

mental theorem of calculus. Prerequisite(s): (MATH 1533\* or MATH 1513) and MATH 1593 with a minimum grade of C in both courses or appropriate placement score. MATH 1533 is recommended. Concurrent enrollment in MATH 2313D is required.

**MATH 2313D - Calculus 1 - Drill**

This drill session accompanies MATH 2313 and provides support, enrichment, and directed problem-solving related to Calculus 1. Concurrent enrollment in MATH 2313 is required.

**MATH 2323 - Calculus 2**

This is the second course of a four-semester sequence of differential and integral calculus with applications. The course covers the techniques and applications of integration, the transcendental functions and their inverses, as well as an introduction to differential equations. Prerequisite(s): MATH 2313 with a minimum grade of "C".

**MATH 2333 - Calculus 3**

This is the third course of a four-semester sequence of differential and integral calculus with applications. The course covers sequences, infinite series, conic sections, parameterized curves, polar coordinates, vectors and analytic geometry in space, vector-valued functions, and curvature. Prerequisite(s): MATH 2323 with a minimum grade of "C" or 2305 with a minimum grade of "C".

**MATH 2343 - Calculus 4**

This is the fourth course of a four-semester sequence of differential and integral calculus with applications. The course covers the calculus of functions of several real variables, including Green's theorem, Stokes' theorem, and the divergence theorem. Prerequisite(s): MATH 2333 with a minimum grade of "C".

**MATH 2743 - Technology and Mathematics Education**

This course will introduce future teachers of mathematics to cutting-edge technology that can be used inside and outside the classroom to enhance their students' learning. Prerequisite(s): MATH 2313 with a minimum grade of "C".

**MATH 2753 - Technology for Professional Mathematics and Statistics**

This course will introduce students to the powerful computational tools and ideas necessary to work and effectively communicate ideas in mathematics, statistics, and science. Students will learn how to typeset basic and more advanced mathematics, examine the theoretical and practical pitfalls of scientific computing, read and write basic computer programs, and use computer algebra software. Prerequisite(s): Math 2313 with a minimum grade of "C".

**MATH 3000 - Workshop In Mathematics**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MATH 3103 - Differential Equations**

This course introduces the theory of ordinary differential equations and their applications. Topics include: linear first and second order equations, methods of undetermined coefficients, variation of parameters, series solutions, Laplace transforms, numerical solutions, linear systems of equations, and an introduction to locally linear systems. Prerequisite(s): MATH 2343 with a minimum grade of "C" or concurrent enrollment in MATH 2343 and permission of department chair.

**MATH 3113 - Foundations of Advanced Mathematics**

This course focuses on proof writing techniques such as methods of direct proof, mathematical induction, as well as proofs by contradiction and contraposition. Topics utilized include logic, sets, relations, functions, and countability. Prerequisite(s): MATH 2323 with a minimum grade of "C".

**MATH 3123 - College Geometry**

This course covers the development of Euclidean Geometry from the axiomatic standpoint. Topics include logic and axiomatic structures, neutral geometry, the parallelism postulate and its implications leading to Euclidean Geometry, and the negation of the parallelism postulate leading to a discussion of elementary hyperbolic geometry. Prerequisite(s): MATH 2323 with a minimum grade of "C".

**MATH 3133 - Theory of Interest 1**

This is the first semester of a two-semester sequence delving into the theory of interest. Topics include an introduction to the terminology and methodology of solving interest problems, as well as the definitions and valuations of annuities. Prerequisite(s): MATH 2323 with a minimum grade of "C".

**MATH 3143 - Linear Algebra**

This course includes Linear Algebra Curriculum Study Group core topics; solving linear systems, LU factorization, independence, matrix algebra and inverses, subspaces, bases, dimension, rank, linear transformations, determinants, characteristic equation, eigenvalues and eigenvectors, diagonalization, Gram-Schmidt orthogonalization, QR factorization, diagonalization of symmetric matrices, least squares, quadratic forms, an introduction to numerical computations and, as time permits, partitioned matrices and SVD. Students will be introduced to a numerical computing/programming environment such as MatLab. Prerequisite(s): MATH 2333 with a minimum grade of "C".

**MATH 3163 - Elementary Number Theory**

This course covers the divisibility of integers, mathematical induction, distribution of primes, congruences, diophantine equations, numerical functions, and primitive roots. Proof writing will be emphasized. Prerequisite(s): MATH 3113.

**MATH 3183 - Introduction To Modern Algebra**

This course covers groups, subgroups, cosets, Theorem of Lagrange, homomorphisms, factor groups, rings, fields, integral domains and ideals. Proof writing will be emphasized. Prerequisite(s): MATH 3113 with a minimum grade of "C".

**MATH 3243 - Advanced Linear Algebra**

This course covers vector spaces and linear transformations, finite-dimensional vector spaces, invariance of dimension, finite-dimensional subspaces, behavior of dimension with respect to subspaces and quotient spaces. Prerequisite(s): MATH 3143 with a minimum grade of "C".

**MATH 3323 - Teaching Middle School Mathematics**

In this course students will investigate mathematical learning theory and its influence on how mathematics is and should be taught at the middle school level. The focus will be on creating tasks for middle school mathematics students, analyzing factors that affect mathematics teaching, and exploring the topics that make up the middle school math curriculum. Prerequisite(s): Six hours of mathematics at the 2100 level or higher with a minimum grade of "C" in all courses.

**MATH 3990 - Advanced Topics In Mathematics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MATH 4113 - Operations Research 1**

This course covers formulation of various deterministic problems as mathematical optimization models, the development of the simplex algorithm, and the theoretical implications of linear program duality, including sensitivity analysis. Optimization models studied include linear programs, integer programs, and various network models. Prerequisite(s): MATH 3143 with a minimum grade of "C".

**MATH 4123 - Operations Research 2**

This course covers the solution methods for various mathematical optimization models including integer programs, network problems, de-

terministic inventory models, and queuing models. Special emphasis is placed on the use of heuristics and metaheuristics to address intractable problems. Prerequisite(s): MATH 4113 with a minimum grade of "C".

**MATH 4133 - Theory of Interest 2**

This is the second semester of a two-semester sequence delving into the theory of interest. Topics include yield rates, amortization schedules, bonds and other securities. Prerequisite(s): MATH 3133 with a minimum grade of "C".

**MATH 4143 - Introduction to Analysis 1**

This course introduces the study of functions of a real variable. Theory and proof-writing skills are emphasized. Topics include real numbers, convergence of sequences of real numbers, Cauchy sequences, the Bolzano-Weirstrass theorem, continuous functions, uniform continuity, differentiable functions and integrable functions. Prerequisite(s): MATH 3113 and MATH 2333 both with a minimum grade of "C" and Junior standing or above.

**MATH 4153 - Introduction to Analysis 2**

This course continues the study of functions of a real variable introduced in MATH 4143 - Introduction to Analysis 1. Theory and proof-writing skills are emphasized. Prerequisite(s): MATH 4143 with a minimum grade of "C".

**MATH 4203 - Fundamental Concepts of Geometry**

This course covers elementary theory in the foundations of geometry and logical systems, and basic theory in the fields of Euclidean, Non-euclidean, and synthetic and coordinate projective geometry, including homogeneous coordinates. Prerequisite(s): MATH 2333 with a minimum grade of "C".

**MATH 4223 - Mathematics of Life Contingencies 1**

The course is directed toward all undergraduate students in the B.S. program in Actuarial Science. It is designed to equip students with an understanding of the basic theory of life contingencies. Prerequisite(s): MATH 3133 with a minimum grade of "C" or STAT 4113 with a minimum grade of "C".

**MATH 4233 - Mathematics of Life Contingencies 2**

The course is directed toward all undergraduate students in the B.S. program in Actuarial Science. It is designed to equip students with an understanding of the basic theory of life contingencies. Prerequisite(s): MATH 4223 with a minimum grade of "C".

**MATH 4263 - Numerical Linear Algebra**

Students will study direct and iterative methods of solving linear systems of equations, methods of solving nonlinear systems of equations, eigenvalue problems, special matrices, connections to differential equations, and additional special topics as appropriate. Prerequisite(s): MATH 3143 with a minimum grade of "C".

**MATH 4363 - Applied Numerical Analysis**

This course will formulate numerical methods for approximation of solutions to a variety of calculus-based problems including root-finding, integration and differentiation, approximation, and other special topics as appropriate. Substantial emphasis will be given to analysis of the underlying mathematical theory and to application of methods by computer programming. Prerequisite(s): MATH 2333 with a minimum grade of "C" and (MATH 2753 or permission of the instructor).

**MATH 4483 - History Of Mathematics**

This course covers the historical development of mathematical concepts and symbolism. Prerequisite(s): MATH 2333 with a minimum grade of "C".

**MATH 4843 - Teaching Of Secondary Mathematics**

This course covers the development of secondary mathematics in the United States, the work of professionally recognized mathematics education committees, the general aspects of teaching mathematics, and

detailed study for teaching various high school mathematics courses. Prerequisite(s): Six hours of MATH courses numbered above 2333 with a minimum grade of "C". Junior or senior standing. Enrollment open to Mathematics Education majors only.

#### **MATH 4900 - Practicum In Mathematics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MATH 4910 - Seminar In Mathematics**

Credit will vary from 1 to 5 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

#### **MATH 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **MATH 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

#### **MATH 4950 - Internship In Mathematics**

Credit will vary from 1 to 8 hours.

#### **MATH 4960 - Institute In Mathematics**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

#### **MATH 4970 - Study Tour In Mathematics**

Credit will vary. Subject matter will vary within the department's field of study.

### **MASS COMMUNICATION (MCOM) Department of Mass Communication**

#### **MCOM 1103 - Introduction To Mass Communication**

This course is a survey of mass communication media, including components of broadcasting, electronic, print and digital, primarily as operating industries and systems within the United States. Attention is given to the roles of mass media in society, including economics, careers, regulations, programming and public service.

#### **MCOM 1113 - Fundamentals of Speech**

This course introduces elements of speech and principles of effective speaking in public. Emphasis is placed on performance and skills in preparing and presenting a public speech.

#### **MCOM 1123 - Basic Photography**

Basic Photography is an introduction to the techniques and aesthetics involved in professional image making. Students will learn how to manually operate a digital SLR camera, correctly compose and digitally retouch images. Additional components include commercial applications of photography, photojournalism, creative photography and photographic application.

#### **MCOM 1133 - Media Writing**

Media Writing is an introduction to various writing styles and techniques required for media and communication professionals. Prerequisite(s): ENG 1113. Enrollment open to Mass Communication majors only.

#### **MCOM 1173 - Strategic Comm Writing**

Strategic Communications Writing introduces writing for multiple media platforms in adherence with industry standards across the strategic communications disciplines of advertising, brand communications, organizational communication, and public relations and incorporates training in

emerging media applications driven by technology and digital and social media. Prerequisite(s): ENG 1113. Enrollment open to Strategic Communications majors only.

#### **MCOM 2000 - Topics in Mass Communication**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MCOM 2013 - Digital Audio Production**

Digital Audio Production is the study of audio production techniques and processes used in broadcasting and in the creating of audio/visual productions. Through the use of the latest audio software, students will acquire an in-depth knowledge of the various production skills and audio elements needed to create audio projects that focus on message enhancements. Prerequisite(s): Enrollment open to Mass Communication majors only.

#### **MCOM 2033 - Media Production**

Media Production is a study of basic principles and techniques for planning, recording and editing of audio, video and web based programs. Students learn and demonstrate skills necessary for field camera operation, audio and video recording, basic lighting techniques, non-linear audio and video editing, and web based media. Interpreting a script through audio and video production is also a component of the course. Prerequisite(s): ENG 1113. Enrollment is open to Mass Communication majors only.

#### **MCOM 2053 - Introduction to Human Communication**

To examine the communication process in its many forms, elements, functions, and effects with particular emphasis on the student as a consumer of communication. Special attention focused on major channels of cultural and subcultural communication.

#### **MCOM 2063 - Introduction to Brand Communications/ Advertising**

Introduction to Brand Communications/Advertising provides an overview of brand communications and advertising as it relates to the economical and social effects on society and reviews the various components of a brand communication campaign including the history and evolution, the roles of professionals in the field, research methods, media and creativity.

#### **MCOM 2073 - Introduction to Media Studies**

Introduction to Media Studies surveys the history, theory, and practices of the mass communication industries from a critical cultural perspective. Prerequisite(s): ENG 1113 and ENG 1213.

#### **MCOM 2153 - Introduction to Organizational Communication**

This course introduces students to organizational communication research and theory with particular emphasis on communication processes within and among organizational environments. Focusing on analyses of the structure and function of communication in complex organizations, the course requires students to display both theoretical and practical knowledge of the variety of processes and methods organizations use to sustain themselves and to communicate with their internal and external publics. Prerequisite(s): Sophomore standing or above.

#### **MCOM 2173 - Sports Announcing**

Sports Announcing is the study and practice of preparation techniques and performance skills necessary to prepare for a sports career as a professional sports play-by-play announcer, color analysis and sports show host. Students learn techniques and performance skill sets using various student media outlets. Prerequisite(s): Enrollment open to Mass Communication majors only with sophomore standing or above.

#### **MCOM 2193 - Principles of Public Relations**

Principles of Public Relations provides an overview of the public relations profession from its historic beginnings to its contemporary role in society. The course provides a foundation for the public relations se-



quence by exploring its definitions, history, theories, principles, strategic planning, management practices, and career possibilities. Prerequisite(s): ENG 1113 and ENG 1213 and sophomore standing or above.

### **MCOM 2203 - Video News I**

Video News I addresses theories and practices of news gathering and writing for video-based reporting. Students generate content and create team-driven newscasts and video-driven content. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133 and MCOM 2033. Enrollment open to Mass Communication majors.

### **MCOM 2213 - News Reporting**

News Reporting focuses on gathering, writing, and evaluating the news. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1133.

### **MCOM 2223 - Darkroom Photography**

Darkroom Photography focuses on the theory and practical use of black and white film and paper processing. Prerequisite(s): ENG 1113 and MCOM 1123.

### **MCOM 2523 - Sportscasting**

Sportscasting is a study of the unique qualities of sports broadcasting for radio and television, focusing on the audio and video complexities associated with broadcast presentation of sports. Students will perform the basics of video editing, audio editing, video photography and on-air performance. Prerequisite(s): MCOM 2013 and MCOM 2033. Enrollment open to Mass Communication majors only with sophomore standing or above.

### **MCOM 2543 - Digital Photography**

Digital Photography is a study of the digital photographic medium and its applications in the world of news and commercial photography. Students receive instruction in digital photography and computer applications and produce professional level projects using current digital photo and computer equipment. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123. Enrollment open to Photographic Arts majors only.

### **MCOM 2623 - Communication Theory**

This course is an introduction to the field of communication including the studies of models and theories with attention given to major concepts that have formed historical and current communication theories.

### **MCOM 2713 - Media Participation**

Media Participation requires participation in multiple forms of UCentral student media. Prerequisite(s): MCOM 1133, 1143, 2033 with sophomore standing or above. Enrollment open to Mass Communication majors only.

### **MCOM 2743 - Photojournalism**

Photojournalism integrates basic photographic skills with professional lighting techniques, media writing and production methods to equip students to enter the field of photojournalism. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1123 MCOM 1133 and sophomore standing or above.

### **MCOM 3000 - Workshop in Mass Communication**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **MCOM 3013 - Non-Linear Editing**

Non-Linear Editing focuses specifically on essential video editing techniques. The course provides a dynamic range of video editing projects that will build the skills of students through the industry standard in video editing software. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and MCOM 2033.

### **MCOM 3023 - Radio Show Prep & Presentation**

Radio Show Preparation and Presentation emphasizes knowledge and expertise required for the radio industry: voice and diction specific to broadcast announcing; exercises, projects and assignments related to commercials, news stories, narratives, weather reports, sports, and promotional pieces; and the development and performance of radio shows appropriate for broadcast/vodcast/podcast for traditional and non-traditional radio. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and MCOM 2013.

### **MCOM 3033 - Video News II**

Video News II is the study of reporting, writing and editing news. Emphasis is on researching stories, the use of electronic news-gathering equipment, writing and reporting style, and on-air presentation of completed stories. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 2033 or MCOM 2443), and MCOM 2203.

### **MCOM 3043 - History of Photography to 1945**

History of Photography to 1945 examines photography from its beginnings through the mid 20th Century with a focus on early day photographers, styles and processes. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 with junior or senior standing.

### **MCOM 3053 - Persuasion & Social Influence**

Persuasion and Social Influence investigates the theories, principles, and strategies of persuasion, social influence, and compliance gaining as applied to everyday contexts in which persuasive attempts take place, including interpersonal, organizational, and mass communication. Prerequisite(s): ENG 1113, ENG 1213, and (MCOM 1113 or COMM 1113). Enrollment open to Mass Communication, Technology Application Studies and Applied Liberal Arts majors and students minoring in Mass Communication-Communication and Public Discourse with junior standing or above only.

### **MCOM 3063 - History of Photo 1945-Present**

History of Photography 1945 - Present examines the aesthetic, social, and sometimes technical development of photography in what is commonly referred to as the "Post-War" period during which time the medium is considered to have experienced its greatest changes and gained its most recognition as an art form. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113. Junior or senior standing.

### **MCOM 3073 - Relational Communication**

Relational Communication examines communication behaviors in interpersonal relationships, including relationship development, maintenance, and dissolution. Specific emphasis is on application of theory and improvement of communication skills within personal relationships. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2053 with junior or senior standing.

### **MCOM 3083 - Intercultural Communication**

Intercultural Communication identifies and delineates the communication skills needed for effective interaction in a global society, examines the relationship between communication and culture, and studies the general concepts of intercultural communication. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 or MCOM 2023.

### **MCOM 3093 - Presentation Techniques**

Presentation Techniques is designed to help students become confident and effective presenters in a variety of situations. This course focuses on writing, speaking, and delivery skills. Critical thinking and analytical skills are used to organize presentations, solve problems, and build arguments. Prerequisite(s): ENG 1113, ENG 1213, and (MCOM 1113 or COMM 1113) with junior or senior standing.

### **MCOM 3103 - Strategic Communication Case Studies**

Strategic Communications Case Studies provides an in-depth look at the brand communications decision-making process. Students are prepared to make brand and advertising management decisions through a variety

of fact-based case studies. Prerequisite(s): ENG 1113, 1213, MCOM 1113, MCOM 1173, (MCOM 1183 or MCOM 2063) and MCOM 2193.

### **MCOM 3113 - Nonverbal Communication**

Nonverbal Communication provides an in-depth study of physical appearance, gesture and movement, facial expressions, eye contact, touch, use of time, and voice to communicate nonverbally in a variety of interpersonal relationships across personal, professional, public, and cultural contexts. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 or MCOM 2023. Junior or senior standing.

### **MCOM 3133 - Color Photography**

Color Photography is designed to help students understand color production and theory as it applies to traditional and digital photography. It also presents a comprehensive procedure for control of color in photography from image capture to final output. Prerequisite(s): MCOM 1123, (MCOM 2143 or 3293 or concurrent enrollment in MCOM 2143 or 3293), and junior or senior standing.

### **MCOM 3143 - Editing**

Editing examines the theory and practice of editing copy and developing print and electronic news layouts. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 1143 or MCOM 2213).

### **MCOM 3153 - Interpersonal Communication Research**

Interpersonal Communication Research introduces students to both quantitative and qualitative methods commonly used in communication research. Students will gain competence in research methods and participate in an academic research project from its inception to reporting the results. Prerequisite(s): ENG 1113, 1212, MCOM 1113 and MCOM 2623 with junior standing or above. Organizational Communication majors may not enroll in this course.

### **MCOM 3163 - Public Information Methods**

Public Information Methods involves the study of communication tactics used by strategic communications practitioners with an emphasis on the development of writing and media relations skills. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (1133 or 1173), 2063, and 2193.

### **MCOM 3173 - Women's Rhetoric**

This course is designed to cause an awareness and understanding of women's rhetoric. The objective of the course is to explore the ways in which women have made their voices heard throughout history. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Junior or senior status.

### **MCOM 3183 - Political Communication**

Political Communication examines contemporary American politics through rhetorical and mass communication criteria and perspectives. Prerequisite(s): ENG 1113, ENG 1213 and (MCOM 1113 or COMM 1113). Enrollment open to Mass Communication, Applied Liberal Arts and Political Science majors and students minoring in Mass Communication-Advertising, Communication, Journalism and Public Discourse with junior standing or above only.

### **MCOM 3233 - Gender, Race, Class and Media**

Gender, Race, Class and the Media is the study of media representations of identity and of the critical cultural studies methods used to analyze the culture industry's representations of identities in primarily print, broadcast and entertainment media. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior standing or above.

### **MCOM 3243 - Video Field Production**

Video Field Production is a study of various creative forms of storytelling concentrating on the production of feature stories. Students will incorporate the critical elements of videography, sound, editing, writing, directing, and producing to tell the most compelling stories possible across different media platforms. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and (MCOM 2033 or MCOM 2443).

### **MCOM 3273 - News Anchoring**

News Anchoring addresses theories and practices of media news anchoring, including ethical decision-making while on the anchor desk. Students will develop professional attitudes and skills in media news communication. Attention is given to industry norms for appearance, clothing, interaction, and delivering news and information. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033, and MCOM 2203.

### **MCOM 3283 - Advertising Design**

Advertising Design is the study of the overall strategic creation of print advertising communication with emphasis on writing copy and designing layouts for media-specific applications. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, (MCOM 1133 or 1173) and MCOM 3333. Junior or senior standing.

### **MCOM 3293 - Photographic Lighting**

Photographic Lighting emphasizes the qualitative aspects of light, both on location and in the studio, and the application of these qualities to the enhancement of photojournalism, commercial, portrait, and art photography. Prerequisite(s): MCOM 1123 and sophomore standing or above.

### **MCOM 3313 - History of Journalism**

History of Journalism examines the people and events that shaped the field of journalism and mass communication in the United States. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Junior or senior standing.

### **MCOM 3323 - Mass Media Effects on Society**

This course examines mass media as an industry that shapes and is shaped by social, cultural, political, and economic forces by focusing on communication theories and research studies. Examples will include the effects of the media as related to our political system, children's programming, judicial system, talk shows, advertising, and new technologies. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Enrollment open to Mass Communication majors only. Junior or senior standing.

### **MCOM 3333 - Specialized Publications**

This course involves the study of design principles and layout with an emphasis on the software applications necessary to produce brochures, newsletters, fliers, direct mail pieces, annual reports and other publications. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 or MCOM 1173 and junior or senior standing. Enrollment open to Mass Communication majors only.

### **MCOM 3363 - Documentary**

Documentary will prepare students to create compelling documentaries by focusing on basic proposal writing, production, and post-production leading to the completion of technical assignments and a short documentary. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and MCOM 2033.

### **MCOM 3373 - Group & Team Communication**

Group and Team Communication focuses on collective problem solving. Students experience the dynamics of joint decision-making such as a goal setting, forming role and leadership structures, coordinating agendas, and negotiating member relations. Students learn to value diversity as they draw upon group and team resources in creating innovative solutions and accomplishing group goals. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 or 2023 with junior or senior standing.

### **MCOM 3393 - Leading Groups & Building Teams in Organizations**

Leading Groups and Building Teams in Organizations examines how committees and task forces function in corporations. Attention is given to how the corporate environment impacts group processes and how groups and teams carry out organizational initiatives. The course addresses issues such as multiple group affiliations, leader-member relations, problem solving and decision making, and meeting management

skills. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 2153 and junior or senior standing.

### **MCOM 3403 - Corporate Video Production**

Corporate Video Production is designed to create and produce various informational, promotional, and training videos for non-profit and for-profit companies and organizations. Students will work with professional clients to help identify a target audience and produce the appropriate media to meet the client's needs. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 2033 or MCOM 2443).

### **MCOM 3413 - Conflict and Communication**

This course focuses on the nature and function of healthy and unhealthy communication conflict as applied to intrapersonal and interpersonal situations, families, organizations, cultures, and nations. Content incorporates theories of conflict and the application of effective conflict management. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Enrollment open to Mass Communication, Applied Liberal Arts and Family Life Education majors and students minoring in Mass Communication-Advertising, Communication and Journalism only. Junior standing or above.

### **MCOM 3423 - Communication and Gender**

Communication and Gender is designed to investigate gender and communication issues in interpersonal, intercultural, and professional contexts. Prerequisite(s): ENG 1113, 1213, and MCOM 1113 with junior standing or above. Enrollment open to Mass Communication, Applied Liberal Arts and Technology Application Studies majors only.

### **MCOM 3433 - Communication and Religion**

Communication and Religion examines communication in a variety of contexts associated with the dissemination of religion-based human messages: face to face, one to many, in print, as well as in mediated venues. Prerequisite(s): ENG 1113, 1213, MCOM 1113, with junior or senior standing.

### **MCOM 3443 - Media Mix Analysis**

Media Mix Analysis is a study of various theories and strategies used in the planning, buying, and selling of media. The course provides an in-depth analysis of various media and their role in a strategic communications campaign. Prerequisite(s): ENG 1113, 1213, MCOM 1113, MCOM 1173, (MCOM 1183 or 2063) and MCOM 2193.

### **MCOM 3453 - Couples Communication**

Couples Communication examines the importance of everyday communication between friends, romantic partners, family members, and co-workers. Emphasis is on application of theory and improvement of dyadic communication skills. Prerequisite(s): ENG 1113, 1213, MCOM 1113, with junior or senior standing.

### **MCOM 3483 - The Dark Side of Relationships**

The Dark Side of Relationships is a study of how individuals deal with the darker sides of interpersonal communication and close relationships. Topics include messages that hurt, fatal attraction, losing, leaving and letting go, relational transgressions, deception, jealousy and envy, and social predicaments. Prerequisite(s): ENG 1113, 1213, MCOM 1113, with junior or senior standing.

### **MCOM 3493 - Media Research**

Media Research is the applied study of research methods used to identify target audiences; gain audience feedback; diagnose problems; determine appropriate communication tools and channels; pre-test materials, messages and strategies; monitor public opinion; and evaluate program success. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2063 and MCOM 2193.

### **MCOM 3503 - Broadcast Programming**

Broadcast Programming is designed to examine and analyze programming strategies for television, cable, radio, and public broadcasting including audience analysis, program evaluation, program selection, and

scheduling. Prerequisite(s): ENG 1113, 1213, MCOM 1113, MCOM 1133. Enrollment open to Mass Communication majors and students minoring in Mass Communication-Advertising and Journalism with junior standing or above only.

### **MCOM 3523 - Leadership Communication**

Leadership Communication examines the relationships between effective communication and quality leadership in multiple contexts. Credit may not be earned for both MCOM 3523 and LEAD 3513. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 or MCOM 2023.

### **MCOM 3533 - Women and Leadership**

Women and Leadership will critically examine historical and contemporary leadership challenges and opportunities facing women. A major focus of the center on strategies for change and success. This course is cross-listed with LEAD 3533 and credit may not be earned for both MCOM 3533 and LEAD 3533. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

### **MCOM 3543 - Sports Media Production**

Sports Media Production will prepare students to produce sports features, stories, highlights, and webcasts for multiple sports. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033 and MCOM 3243.

### **MCOM 3553 - Crisis Principles and Cases**

Crisis Principles and Cases is an examination of the fundamental elements involved in the practice of crisis communications and issues management. The course will look at crisis response principles that apply across sectors; requirements and crisis needs unique to major industry sectors (i.e., energy, healthcare, nonprofits); major historical crisis cases and how they were handled; the key elements in a crisis response plan; and how media relations and social media play a role in crisis responses. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173 and MCOM 2193.

### **MCOM 3563 - Organizational Innovation**

Organizational Innovation focuses on how successful innovations in organizations are created, implemented, and communicated. With an understanding of innovation strategies, students will be able to design messages to communicate innovations to external stakeholders and create internal processes and ensure consistency between the organization's external image and its internal culture. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2153 and MCOM 2193. Junior or senior standing

### **MCOM 3573 - Intergenerational Comm**

Intergenerational Communication addresses central theories of aging and communication as well as attitudes about aging and interpersonal communication (ageist attitudes, stereotypes of particular age groups, and age group identities), media representations of aging (mediated stereotypes; media uses and effects), and cultural variations in the meaning of aging. Prerequisite(s): ENG 1113, 1213, MCOM 1113, with junior or senior standing.

### **MCOM 3633 - Conflict & Negotiation in Organizations**

Conflict and Negotiation in Organizations focuses on conflicts within corporations, non-profit organizations, and governmental agencies. Attention is given to how the organizational roles, power, and identities of group members influence conflict management processes. The course addresses competitive and collaborative negotiation methods and third-party interventions in mediating conflict. Students learn to de-escalate conflict and to avoid escalating conflict and its negative outcomes. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2153 with junior or senior standing.

### **MCOM 3643 - Communication in the Professions**

Communication in the Professions examines how professional communicators such as physicians, attorneys, emergency call-takers, and jour-

nalists adjust their conversational skills to the demands of institutional interaction. Knowledge of medical consultations, courtroom interrogations, emergency telephone calls, and news interviews is applied to the construction of training materials for prospective professional communicators. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 2153 and junior or senior standing.

### **MCOM 3653 - Digital & Social Communication**

Digital and Social Communications provides an in-depth knowledge of new digital and social media and how to integrate websites, social networking, blogs, and other forms of digital and social media into a strategic communications campaign. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (MCOM 1133 or MCOM 1173), MCOM 2033, MCOM 2193, and MCOM 3333.

### **MCOM 3703 - Conceptual Photography**

Conceptual Photography is an upper division course focused on executing photographs based on strong ideas or messages. Students will learn and practice good research and brainstorming techniques in order to form solid concepts for their work along with the methods for executing their ideas. Contemporaries in the field of conceptual photography will be presented along with its impact as a photographic genre. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, (MCOM 2223 or 3303), and (MCOM 3293 or 2143), and junior or senior standing.

### **MCOM 3713 - Broadcast News Producing**

Broadcast News Producing is a study of the producing discipline as it relates to reporting, writing, newscast production, special projects, ethics, documentaries, and new media. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, (MCOM 2033 or MCOM 2443), and MCOM 2203 and junior or senior standing. Enrollment open to Mass Communication-Broadcast and Mass Communication-Professional Media majors only.

### **MCOM 3723 - Advanced News Reporting**

Advanced News Reporting focuses on gathering, writing, and evaluating the news through the assignment of on-campus and off-campus news beats. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, (MCOM 1143 or MCOM 2213).

### **MCOM 3753 - Nonfiction Cinematography**

Nonfiction Cinematography will explore visual storytelling, focusing on image design techniques necessary for nonfiction studio and field production. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033 and MCOM 3363.

### **MCOM 3761 - Newspaper Participation**

Newspaper Participation requires participation in multiple media formats for THE VISTA, the college newspaper. A maximum of 4 hours credit towards a major or minor may be earned. Prerequisite(s): ENG 1113, MCOM 1133 and (MCOM 1143 or MCOM 2213) and permission of instructor.

### **MCOM 3771 - Radio Station Participation**

Radio Station Participation requires the participation as an on-air announcer for the college radio station. A maximum of four credit hours may be earned toward a major or minor. Prerequisite(s): eng 1113, mcom 1133, and (MCOM 2013 or MCOM 2033). Enrollment open to Mass Communication majors only.

### **MCOM 3781 - TV Station Participation**

Television Station Participation requires participation in the student newscast and other forms of student media. A maximum of 4 hours credit towards a major or minor may be earned. Prerequisite(s): ENG 1113, MCOM 1133 and MCOM 2033 and written permission of instructor required.

### **MCOM 3803 - Business of Photography**

The Business of Photography course focuses on the challenges involved with starting and managing an independent photography business. Spe-

cial attention will be placed on self-presentation, client interaction, and establishment of good business practices. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, MCOM 2543, and MCOM 3293 with junior or senior standing.

### **MCOM 3813 - Blogging for Journalists**

Blogging for Journalists prepares students to understand, analyze and utilize the role and operation of Internet blogs in journalism culture and practice. The course gives students practical experiences in creating and maintaining a blog. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and junior or senior standing.

### **MCOM 3833 - Masculinity in the Media**

Masculinity in the Media addresses how "normalized" representations of masculinity in television, film, advertising, movies, and sports pose dilemmas of identity for men and women. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and junior or senior standing.

### **MCOM 3843 - Street Gangs & the Media**

Street Gangs and the Media examines the social construction of gangs through music, film, documentaries, and news stories. Students critically evaluate media representations of gangs against the lived experience of gang members in everyday life. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and junior or senior standing.

### **MCOM 3853 - Crisis Communication Writing**

Crisis Communications Writing will focus on different audiences and styles in media writing. The course will examine similarities and differences in various writing styles within crisis situations. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2193 and MCOM 3553.

### **MCOM 3893 - Strategic Communications Plan**

Strategic Communications Planning is designed to focus on strategic planning and its role in the communications strategy for brands and organizations. Students will learn the fundamentals of the marketplace, current methods of consumer analysis, brand equity creation, brand relationship analysis, and brand communications responses in a variety of advertising (new and old) situations. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM (1183 or 2063), MCOM 2193 and MCOM 3103.

### **MCOM 3990 - Advanced Topics in Mass Communication**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **MCOM 4013 - Corporate Training/Consulting**

Corporate Training and Consulting examines communication training as a tool for employee development in organizations. The course covers consulting with clients to understand the needs of organizations and trainees. This course enables students to prepare and implement needs-based, communication workshops, seminars, and training programs for professional development. In addition to instructional design, the course focuses on methods of teaching communication skills to adult learners and how to conduct experimental activities. Ways of assessing learning outcomes and evaluating training programs will also be covered. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 2153 and junior or senior standing.

### **MCOM 4023 - Nonfiction Sound Design**

Nonfiction Sound Design will focus on sound design as a separate media form from visual storytelling. The course explores how sound creates meaning and successfully functions with the visuals of nonfiction multimedia productions. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033, MCOM 3363, and MCOM 3753.

### **MCOM 4053 - Crisis & Media Relations**

Crisis & Media Relations will examine the elements of crisis-specific media. Focus will be placed on specific strategies in a crisis situation and will include effective practices in dealing with media professionals.

Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2193, MCOM 3553, (MCOM 3653 or MCOM 4663), and MCOM 3853.

### **MCOM 4063 - Feature Writing**

Feature Writing is a study of theory and practice of researching, writing and marketing the feature story for various media. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 1143 or MCOM 2213).

### **MCOM 4113 - Organizational Communication Capstone**

Organizational Communication Capstone provides concentrated study of theories and concepts that explain communicative processes in organizational settings. Students apply selected concepts and theories to practical organizational issues such as developing leaders, making decisions, creating culture, training employees, managing change, embracing diversity, working in teams, and communicating via technology. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2063, MCOM 2153, MCOM 2193, MCOM 3093, MCOM 3633, MCOM 3653 and MCOM 4013. Senior standing.

### **MCOM 4133 - Media Management**

Media Management is an in-depth study of the unique social, economic, legal and ethical problems with which media managers are confronted. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and (MCOM 1133 or MCOM 1173). Junior or senior standing.

### **MCOM 4143 - Investigative Reporting**

Investigative Reporting focuses on gathering and writing news of substance and depth on public affairs with emphasis on complete investigation and evaluation of conflicting points of view and complex issues. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 1143 or MCOM 2213).

### **MCOM 4153 - Advanced Video Production**

Advanced Video Production is designed to create and produce a variety of creative video projects that are intended to assist the student in developing captivating video portfolios of their work. The course will focus on directing, producing, editing, and writing while creating live music performances, public service announcements, commercials, promotional videos, and short films. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033 and MCOM 3243.

### **MCOM 4193 - Opinion, Reviews, & Criticism**

Opinion, Reviews, and Criticism in the Media prepares students to research and express multiple types of editorial writing for various media. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and (MCOM 1143 or MCOM 2213).

### **MCOM 4233 - Family Communication**

Family Communication examines communication phenomena in the setting of the family. The focus is upon how, through communication, people develop, maintain, enhance, or disturb family relationships. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2053 with junior or senior standing.

### **MCOM 4303 - Large Format Photography**

Large Format Photography is focused on the use of large format cameras as a tool in image making. Advantages and disadvantages will be discussed as well as the proper use, techniques, and history of large format cameras. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 2223, (MCOM 3293 or MCOM 2143) and junior standing or above.

### **MCOM 4313 - Women in Media**

Women in Media focuses on women as journalism professionals and as subjects of the media. With the backdrop of history, statistics and input from guest speakers, we will discuss past, current and possible future issues related to those two main areas. This course relies heav-

ily on students' opinions in reaction to the readings and discussion.

Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113.

### **MCOM 4323 - Social Documentation**

Social Documentation is a concentrated documentation of an individual group or subgroup that records their unique or changing status in modern society. Through the use of journals, oral history, photography and/or video students will document the unique status of these groups or subgroups over a set period of time for analysis of the effect that they have on society. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1123, (MCOM 2543 or MCOM 3513), (MCOM 3293 or 2143) and SOC 2103. Junior or senior standing.

### **MCOM 4353 - Crisis Planning & Campaigns**

Crisis Planning & Campaigns is the applied synthesis of the techniques, principles and concepts needed to produce a comprehensive crisis communications plan and playbook for use by an organization. Students will conceptualize, research and develop a comprehensive plan for a pre-selected client; and test one of the crisis scenario responses they develop during an intense half-day crisis simulation. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2193, MCOM 3553, (MCOM 3653 or MCOM 4663), MCOM 3853 and MCOM 4053.

### **MCOM 4403 - Interviewing and Career Management**

Interviewing and Career Management addresses the communication processes involved in joining, adapting to, and exiting from organizations. Students plan for employment opportunities by highlighting their skills, knowledge, and experience before, during, and following interviews. They prepare for entry into organizations and for key transitions, such as job transfers, promotions, career changes, and organizational exists. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

### **MCOM 4413 - TV Documentary Production**

TV Documentary Production is a study of the field and functions of the full-length television documentary including the history of documentaries in broadcasting, scripting techniques, production design and video, audio and editing techniques used in documentaries. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, (MCOM 2033 or MCOM 2443/2443L) and MCOM 2203/2203L. Enrollment is open to Mass Communication majors only with senior standing.

### **MCOM 4423 - Media Ethics**

Media Ethics is the study of the ethical issues currently confronting journalism and mass communication. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Enrollment is open to Mass Communication majors only. Junior or senior standing.

### **MCOM 4433 - Victims and the Media**

Victims and the Media is an intensive study of the interpersonal and psychological effects of trauma and the impact of media coverage on victims, journalists and communications professionals. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and (MCOM 1133 or MCOM 1173) and junior or senior standing.

### **MCOM 4453 - Communication and Language**

Communication and Language offers a systematic evaluation and scientific appraisal of the ways in which humans interact through language and other symbols. It attempts to describe and evaluate the relationships existing among thought, language, and behavior. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 3153 and senior standing.

### **MCOM 4503 - Advanced Publication Design**

Advanced Publication Design builds on students' basic desktop publishing skills and knowledge of design principles. This course is structured so students spend most of their time learning more about page design software and working on long-term individual projects with assistance. Prior Adobe InDesign coursework or related experience is required. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and (MCOM

3143 or MCOM 3283 or MCOM 3333 or MCOM 4333) or permission of instructor. Enrollment open to Mass Communication majors with junior standing or above only.

### **MCOM 4513 - Advanced Commercial Photography**

Advanced Commercial Photography is designed to give students problem solving experience in commercial and portrait photography. Advanced techniques in commercial photography are supplemented by working professional photographers along with field trips to photography studios for demonstrations of photographic techniques and facilities. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, and (MCOM 2223 or MCOM 3303), and MCOM 3133 and (MCOM 3293 or MCOM 2143) with senior standing or above.

### **MCOM 4523 - Global Communication**

This course will critically analyze global communication theory, research and other selected theoretical concepts as they apply to international and domestic media. The class will emphasize how conventional media sources impact society, governments and other media through the dissemination of information. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Junior or senior standing.

### **MCOM 4533 - Health Communication & Promotion**

Health Communication and Promotion examines health communication campaigns as corporate and community-based initiatives. Students engage in the study and use of effective, ethical approaches to sharing information and motivating audiences at the individual, organizational, and community levels concerning health-related issues and decisions. Prerequisite(s): ENG 1113, ENG 1213, (MCOM 1133 or 1173) and MCOM 2153. Junior or senior standing.

### **MCOM 4543 - Portrait & Wedding Photography**

Portrait and Wedding Photography provides students with hands-on experience in the skills necessary to produce and market commercial portrait and wedding photographs. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, and (MCOM 3293 or MCOM 2143) and sophomore standing or above.

### **MCOM 4563 - Media Law**

This course is a study of the legal rights and restrictions with the resulting duties and responsibilities related to the media. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Enrollment open to Mass Communication majors only. Junior or senior standing.

### **MCOM 4593 - Advanced Documentary**

Advanced Documentary will produce socially and culturally conscious documentaries that express an interesting story by focusing on the following elements: principles, history, and ethics of documentary filmmaking; aesthetic and technical directing and producing strategies; and working tools to plan and tell stories creatively, collaboratively, artistically and professionally. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033, MCOM 3363, MCOM 3753, and MCOM 4023.

### **MCOM 4623 - Gays & Lesbians in Film/Media**

This course examines representations of gays and lesbians from the development of an alternative gay and lesbian cinema movement to the mainstreaming of gay and lesbian people in television and in film. The course will analyze the problematic cultural production of a gay-lesbian identity from different historical periods. Attention will also be given to the formation of the USA and early German homophile movements and their impact on cultural representations of gays and lesbians in the mass media. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Junior or senior standing.

### **MCOM 4633 - Race, Violence, Youth, & Media**

Race, Violence, Youth and the Media will critically examine various mass media representations and coding of contemporary youth subcul-

tural formations in the U.S.A. Prerequisite(s): ENG 1113, 1213, and MCOM 1113 with junior standing or above.

### **MCOM 4643 - Photography Portfolio**

Photography Portfolio is a capstone course focused on the continued development and refinement of students' individual photographic style to prepare them to pursue professional opportunities. Students will create a series of photographic images, learn how to present these images, and professionally promote the work through writing, speaking, website development, and photographic organizations. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, (MCOM 2223 or MCOM 3303), (MCOM 2743 or MCOM 3343), MCOM 3133, (MCOM 3293 or MCOM 2143), and MCOM 3703. Senior standing or above.

### **MCOM 4673 - Sibling Communication**

Sibling Communication introduces students to concepts, theories, and principles of sibling communication, with an emphasis on the role of messages in sibling communication processes. This course focuses on the unique relationship of siblings and how communication impacts and frames those relationships. Issues such as sibling rivalry, sibling revelry, birth order, relational closeness, proximity, frequency of contact, parental ties, social support, sex roles, blended families, and the sibling paradox are examined. A lifespan communication perspective is applied to the sibling relationship as brothers and sisters progress through the stages of childhood, adolescence, younger adulthood, and older adulthood. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

### **MCOM 4823 - Mediation**

Mediation emphasizes the role of communication in third-party interventions in resolving conflicts. As a distinct form of alternative dispute resolution, mediation is differentiated theoretically and empirically from arbitration and litigation. Mock mediation sessions provide students with opportunities to develop skills and insights as disputants and mediators. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

### **MCOM 4873 - Professional Media Capstone**

The Professional Media Capstone will focus on refining previous professional media learning, practicing effective job seeking/interviewing skills, networking with media professionals, improving social media skills, working in UCentral student media and/or local media, and developing a professional portfolio. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1103, MCOM 1133, MCOM 2033, MCOM 2203, (MCOM 2213 or 1143), MCOM 3143, MCOM 3243, and (MCOM 3033 or MCOM 4153). Senior standing.

### **MCOM 4883 - Strategic Communication Campaigns**

Strategic Communications Campaigns is a study of various elements involved in the production of a campaign from inception to conclusion. Students research, create, produce, execute, and evaluate a number of campaigns for real clients for all media. Prerequisite(s): ENG 1113, 1213, MCOM 1113, MCOM 1173, MCOM 2033, MCOM 2063, MCOM 2193, MCOM 3103, MCOM 3163, MCOM 3333, MCOM (3493 or 4863), MCOM 3653, and MCOM (2553 or 3893). Senior standing or above.

### **MCOM 4900 - Practicum In Mass Communication**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **MCOM 4910 - Seminar in Mass Communication**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **MCOM 4920 - Workshop in Mass Communication**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MCOM 4930 - Individual Study In Mass Communication**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MCOM 4940 - Field Study in Mass Communication**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**MCOM 4950 - Internship In Mass Communication**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**MCOM 4960 - Institute In Mass Communication**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**MCOM 4970 - Study Tour In Mass Communication**

Credit will vary. Subject matter will vary within the department's field of study.

**MANAGEMENT (MGMT)  
Department of Management**

**MGMT 2000 - Topics In Management**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MGMT 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MGMT 3103 - Principles of Management**

This course offers an essential introduction to management. Concepts of study include the basic tenets of managing, planning, leading, and controlling. The course will cover other essential areas of management including ethics and human resource management. Prerequisite(s): Junior standing or above.

**MGMT 3133 - Business Ethics**

This course provides an overview of ethical theories and practices from domestic and global perspectives. These theories and practices will be demonstrated in contemporary business situations and case studies. Prerequisite(s): Junior or senior standing.

**MGMT 3273 - Building Teams & Environments**

Building Teams and Collaborative Environments examines the theoretical knowledge we have on how to build effective teams and team processes. The class will examine team communication structures, team leadership and strategies used to build collaborative environments that foster creativity and problem solving. Prerequisite(s): Junior or senior standing.

**MGMT 3313 - Human Resource Management**

This course is designed to acquaint the student with modern methods of selection, testing, training and solving various personnel problems. It is designed to give the student a knowledge and understanding of how to manage personnel effectively. Prerequisite(s): MGMT 3103.

**MGMT 3413 - Human Resource Compliance**

This course focuses on Human Resource program and policy compliance as it relates to employment law, such as equal employment opportunity, state and federal legislation, state and federal enforcement agencies, affirmative action plans, court ordered remedies, and employee assistance programs as related to Human Resource Management. This course also prepares students for student professional certification examinations. Prerequisite(s): MGMT 3313 and Junior standing or above.

**MGMT 3990 - Advanced Topics In Management**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MGMT 4123 - Consulting In The Real Environment**

This course is an interactive, hands-on application of knowledge gained through the student's business degree program. Student teams work with an assigned business in the community and offer recommendations that resolve business problem areas as defined by the client. Students must have a private source of transportation. Credit may be earned in only one course from FIN 4123, MGMT 4123, MRKT 4123. Prerequisite(s): open to senior business majors. ACCT 2113, 2133, BCOM 3143, ECON 2103, 2203, FIN 3563, MGMT 3103, MRKT 3013.

**MGMT 4203 - Organizational Behavior**

This course offers an in depth examination into components and processes of an organization from a behavioral science perspective. This course offers insight as to what increases work performance and organizational commitment. Concepts of study include how to work effectively in teams, work motivation, leadership, job satisfaction and organizational culture. Prerequisite(s): MGMT 3103 and BCOM 3143.

**MGMT 4213 - Management Theory**

This upper level course explores the historical evolution of management theory and practice. Students will apply the course content through live case studies, service learning projects, or other forms of field research. Prerequisite(s): MGMT 3103, 3313 and junior standing or above.

**MGMT 4253 - International Business**

This course is a study of the management of organizations in international markets, both domestic and multinational enterprises. Organizational behavior, management theories, and philosophies are discussed in light of prevailing economic, political and cultural world environments. Prerequisite(s): MGMT 3103.

**MGMT 4263 - Small Business Management**

Problems of organizing and managing an individually owned business including location, securing capital, records, personnel, and sales promotion. Prerequisite(s): MGMT 3103.

**MGMT 4423 - Human Resource Training and Development**

This course focuses on the ethical and legal compliance aspects of developing training programs for profit and nonprofit organizations. Emphasis is placed on the administration of human resource training departments, the determination of costs and benefits of training plans and the application of computer technology in the delivery of training and developmental programs. Prerequisite(s): MGMT 3313.

**MGMT 4443 - Innovation Management**

The attainment of a sustainable competitive advantage by an organization is a direct result of effective management of the innovation and creativity effort. Understanding the processes, practices, and cultures that foster innovation and creativity within an organization is therefore a fundamental requirement for the future manager. This course (a) exposes students to practical approaches of fostering innovation and creativity within an organization; and (b) promotes an understanding of the theoretical approaches of understanding the concepts behind organizational innovation and creativity. By the end of the course, learners will be able to understand why some organizations are more creative and innovative than others, and will be in a position to develop a superior innovative and creative approach in an organizational setting. Prerequisite(s): Senior standing.

**MGMT 4483 - Diversity in the Workplace**

This course offers students a method to view and address diversity in the workplace, introducing them to the concept of diversity consciousness to develop an awareness and understanding of diversity in all its aspects. It presents an approach that focuses on inclusion and applies the paradigm and methodology of intercultural competencies to allow organizations

to leverage diversity as an asset. The course outlines human resource management responsibilities in supporting the strategic direction of diverse firms by customizing human resource practices and policies. Students will learn by structured experiential learning activities through discussions and case studies. This course will provide HR students with the necessary body of knowledge to prepare for professional certification examinations. Prerequisite(s): MGMT 3313.

#### **MGMT 4503 - Recruitment and Selection**

This course is an in-depth study of the process of personnel selection and placement (i.e., staffing). Emphasis is placed on the understanding and application of the staffing process, including job analysis, recruitment, designing selection procedures, and measuring job performance. Practical application of acquired skills is stressed. Prerequisite(s): MGMT 3313.

#### **MGMT 4513 - Compensation & Benefits**

This course examines the strategic choices involved in establishing and maintaining ethical, legal and competitive compensation systems and employee benefit programs. It also offers students the skills with which to establish and maintain personnel records and forms in compliance with the law. In addition, it provides knowledge needed for student professional certification examinations. Prerequisite(s): MGMT 3313.

#### **MGMT 4623 - The Art of Leadership**

This course is designed to acquaint students with current issues affecting organizational leaders. It will include topics such as strategic planning, diversity, and legal and financial issues impacting organizations. Prerequisite(s): MGMT 3103 with minimum grade of "C" and senior standing or above.

#### **MGMT 4723 - Strategic HR Management**

This course serves as one of the two strategic capstone courses for the human resource management major. The course is designed to develop students' critical thinking skills by analyzing human resource theories, concepts, and strategies as it relates to organizations' competitive strategies. Students will integrate prior HR knowledge involving employment law, talent acquisition, HR analytics, performance management, total rewards, and employee training and development and apply this knowledge in complex business settings. Prerequisite(s): MGMT 3313, completed 9 hours from MGMT 3413, MGMT 4423, MGMT 4503, and MGMT 4513. Senior standing.

#### **MGMT 4813 - Strategic Management**

This course serves as the capstone for the business core curriculum and as such, its purpose is to provide a practical forum for students to integrate and apply the knowledge and skills that they have gained from all previous business courses. Students will learn to think strategically as they develop comprehensive solutions to current business problems. A graded college level assessment may be included in this course at the discretion of the Dean's office. Prerequisite(s): ECON 2103, MATH 2053, ACCT 2113, ACCT 2133, ECON 2173, ECON 2203, MRKT 3013, MGMT 3103, LS 3113, BCOM 3143, ISOM 3263, ISOM 3313, ISOM 3323, and FIN 3563. Students must hold senior standing.

#### **MGMT 4823 - Technology Strategy**

This course introduces students to conceptual frameworks, models, and tools of technology strategy. It takes both an entrepreneurial and managerial perspective to (a) examine the technical challenges posed by emerging and evolving technologies in technology-intensive industries; and (b) develop and apply analytical tools that are critical for managing the complexity and dynamism in industries where technological innovations play an important role in creating the sustaining competitive advantage. The course should be of particular interest to future managers, entrepreneurs, consultants, and investors interested in pursuing careers in those industries where technology is an important source of competitive advantage. Prerequisite(s): MGMT 4813 or concurrent enrollment in MGMT 4813. Senior standing.

#### **MGMT 4833 - Corporate Strategy**

Corporate Strategy is concerned with how multi-business corporations create value across different businesses and capture the value created for themselves as corporate profits. The Analysis of Corporate Strategy employs the tools of strategic management to examine issues specific to the multi-product, multi-location, or multi-business firm. These include such issues as the appropriate mix of business units, make-or-buy decisions, the acquisition or development of new business units, and the disposal of existing business units; these questions are often not relevant to analysis of competitive strategy conducted at the level of the individual business unit. Students who take this course will develop a sophisticated basis for analyzing corporate strategy decisions both as insiders (corporate managers and management consultants), and as analysts and inventors. Prerequisite(s): MGMT 4213, MGMT 4443 and (MGMT 4813 or concurrent enrollment in MGMT 4813). Senior standing.

#### **MGMT 4900 - Practicum In Management**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MGMT 4910 - Seminar In Management**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MGMT 4920 - Workshop In Management**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **MGMT 4930 - Individual Study In Management**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MGMT 4950 - Internship In Management**

Credit will vary from 1 to 8 hours.

#### **MGMT 4960 - Institute In Management**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **MGMT 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

### **MILITARY SCIENCE (MLSC) Department of Military Science**

#### **MLSC 1011 - Basic Leadership Lab I Fall**

Basic Leadership Lab I Fall provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Basic Military Science I Fall. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. This course is scheduled to meet eight (8) times during the semester for two hours and forty-five minutes per session. Concurrent enrollment in MLSC 1101 is recommended.

#### **MLSC 1031 - Basic Leadership Lab I Spring**

Basic Leadership Lab I Spring provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Basic Military Science I Spring. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. This course is scheduled to meet eight (8) times during the semester for two hours and forty-five minutes per session. Concurrent enrollment in MLSC 1132 is recommended.



**MLSC 1102 - Basic Military Science I Fall**

This is an introductory course open to all students without military obligation. It focuses on the military as a profession and examines its organization, ethics and values. The course explores the responsibilities and impact of leadership and the rules, customs and traditions of military service. Students are introduced to the fundamentals of land navigation, physical fitness, drill and ceremonies, first aid and public speaking. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

**MLSC 1132 - Basic Military Science I Spring**

This course is open to all students without military obligation. This is a continuation of MLSC 1102 and continues to build a knowledge base of soldier skills with an emphasis on military writing, fundamentals of leadership, marksmanship and basic first aid. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

**MLSC 2000 - Topics In Military Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MLSC 2011 - Basic Leadership Lab II Fall**

Basic Leadership Lab II Fall provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principals from Basic Military Science II Fall. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. Concurrent enrollment in MLSC 2202 is recommended.

**MLSC 2021 - Basic Leadership Lab II Spring**

Basic Leadership Lab II Spring provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principals from Basic Military Science II Spring. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. Concurrent enrollment in MLSC 2252 is recommended.

**MLSC 2202 - Basic Military Science II Fall**

This course is open to all students without military obligation. The course teaches skills necessary for successful leadership and management. The emphasis is on historical examples of military leadership and management principles. Development of counseling techniques, problem solving, and the proper use of the chain of command are explained through class discussion and case studies. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

**MLSC 2252 - Basic Military Science II Spring**

This course is open to all students without military obligation. This course is a continuation of the study of necessary leadership skills. It emphasizes small group management and superior/subordinate relationships. Other topics include an introduction to Army branches, navigation using map and compass, physical readiness, injury prevention, and first aid. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

**MLSC 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MLSC 3011 - Advanced Leadership Lab III Fall**

Advanced Leadership Lab III Fall provides practical experience within the setting of a military organization to develop discipline and team work. Students are provided with an intensive program of military and leadership skills enhancement and assessment in preparation for attendance of the ROTC Leadership Development and Assessment Course (LDAC). Students will be evaluated by cadre in leadership positions demonstrating their ability to plan and execute training by applying

lessons learned in Advanced Military Science III Fall. Prerequisite(s): Concurrent enrollment in MLSC 3103 required.

**MLSC 3021 - Advanced Leadership Lab III Spring**

Advanced Leadership Lab III Spring provides practical experience within the setting of a military organization to develop discipline and team work. Students are provided with an intensive program of military and leadership skills enhancement and assessment in preparation for attendance of the ROTC Leadership Development and Assessment Course (LDAC). Students will be evaluated by cadre in leadership positions demonstrating their ability to plan and execute training by applying lessons learned in Advanced Military Science III Spring. Prerequisite(s): Concurrent enrollment in MLSC 3153 required.

**MLSC 3103 - Advanced Military Science III Fall**

This course expands and refines the leader development process. This is an intensive program to prepare cadets for tasks, skills and responsibilities associated with Leader Development and Assessment Course (LDAC). Cadets are trained and evaluated on the full range of leadership skills and attributes. Written and oral communication skills, motivational behavior, interpersonal skills, administrative procedures, decision-making and military field skills are emphasized. One weekend Field Training Exercise (FTX) is required in the Fall semester. Army Physical Training Program is required for all contracted cadets and highly encouraged for non- contracted cadets. Prerequisite(s): Written permission of instructor and concurrent enrollment in MLSC 3011 (Lab).

**MLSC 3153 - Advanced Military Science III Spring**

This course expands on the skills introduced in MLSC 3103 and incorporates increasingly challenging situations involving military technical, tactical and leadership skills. Advanced training in marksmanship and physical fitness is emphasized. The course culminates with a field training exercise where students are placed in simulated combat situations and evaluated on performance. The course is designed to bring cadets to peak proficiency in physical conditioning and leadership ability. One weekend Field Training Exercise (FTX) is required in the Spring semester. Army Physical Training Program is required for all contracted cadets and highly encouraged for non-contracted cadets. Prerequisite(s): Written permission of instructor and concurrent enrollment in MLSC 3021 (Lab).

**MLSC 3990 - Adv Topics in Military Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MLSC 4011 - Advanced Leadership Lab IV Fall**

Advanced Leadership Lab IV Fall provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Advanced Military Science IV Fall and to plan and instruct military skills such as drill and ceremonies, marksmanship, communications and physical fitness. Advanced Course cadets supervise students in the Basic Course and are responsible for basic course training, logistics and function as officers within the cadet battalion under cadre supervision. Prerequisite(s): Concurrent enrollment in MLSC 4103 required.

**MLSC 4021 - Advanced Leadership Lab IV Spring**

Advanced Leadership Lab IV Spring provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Advanced Military Science IV Spring and to plan and instruct military skills such as drill and ceremonies, marksmanship, communications and physical fitness. Advanced Course cadets supervise students in the Basic Course and are responsible for basic course training, logistics and function as officers within the cadet battalion under cadre supervision. Prerequisite(s): Concurrent enrollment in MLSC 4113 required.

**MLSC 4103 - Advanced Military Science IV Fall**

This course teaches leadership, technical, and tactical skills. Participants conduct practical exercises and perform a variety of written and oral presentations. Students are assigned cadet command and staff positions and will learn their roles through discussions on command and staff management in military organizations, executive responsibilities of the Army and its officers. They plan and supervise activities from a middle manager level. They study combat leadership as well as administration, training, logistics allocation, military justice, and management concepts. Prerequisite(s): MLSC 3103, 3153, written permission of instructor and concurrent enrollment in MLSC 4011 (Lab).

**MLSC 4113 - Advanced Military Science IV Spring**

This course completes the sequence of ROTC courses and culminates with detailed, professionally written documents, synchronized training activities and project management. This course requires teaching, assessing, planning, organizing, resourcing, and executing a number of training activities. Participation in MLSC 2000 Leadership Laboratory, a Staff Ride and one weekend Field Training Exercise (FTX) is required in the Spring semester. Prerequisite(s): MLSC 3103, 3153, written permission of instructor, concurrent enrollment in MLSC 4021 (Lab) and senior standing.

**MLSC 4900 - Practicum**

Subject matter will vary within the department's field of study.

**MLSC 4910 - Seminar In Military Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MLSC 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MLSC 4960 - Institute In Military Science**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**MUSIC PERFORMANCE (MPER)****School of Music****MPER 1000 - Applied Music**

This course provides the student with college entry level study in the major applied area. Lesson content will include but not be limited to such factors as technique, physiological concerns, and musical interpretation. Instructional materials will include materials such as exercises, and etude literature, along with solo and collaborative repertoire. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours.

**MPER 1121 - Keyboard Sight Reading**

The purpose of this course is to develop in students a fluency in the essential professional skill of sight reading music for immediate content recognition. The course heavily emphasizes reading exercises under the guidance of the instructor from a variety of musical scores from different stylistic periods, with which the student will have had little or not previous experience. This course may be taken two times for credit.

**MPER 1232 - Class Guitar**

This is an introductory, yet accelerated course designed for guitarists who lack formal training in popular accompaniment. The class explores accompaniment techniques (finger-style, strumming, damping and percussive devices, etc). In addition to technique, this course covers scale-chord theory and application, fretboard logic, and how to read/interpret the various contemporary guitar notation systems.

**MPER 1242 - Class Voice**

This course teaches the basics of singing to beginning and intermediate students. Students will explore their own singing voices through applied study of classical vocal technique, including breathing, posture, phonation, resonance, and articulation. Students will learn to apply this vocal technique to easy solo vocal literature. In addition to vocal technique, students will also study technique to easy solo vocal literature. In addition to vocal technique, students will also study methods for learning solo music, performance and practice techniques, strategies for managing performance anxiety, and other techniques required for successfully performing solo vocal music. Prerequisite(s): Students must demonstrate ability to match pitch with the voice.

**MPER 1521 - Collaborative Piano I**

This course serves as an introduction to the art of collaboration with instrumentalists and singers. Repertoire will be selected from beginning-level lieder, art song, orchestral reductions, and instrumental solos. Weekly performances with student instrumentalists or singers will be critiqued and coached by colleagues and the instructor.

**MPER 2000 - Applied Music**

This course builds upon the foundational study received in MPER 1000, developing more advanced levels of technique and interpretation. Study materials will typically confront the student with and require the development of independent evaluative and interpretative skills. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours.

**MPER 2041 - Applied Jazz Improvisation I**

This course provides the student with beginning level study in jazz improvisation. Lesson content will include but not be limited to such factors as diatonic harmony, scale modes, techniques, physiological concerns, and musical interpretation. Instructional materials will include materials such as scale patterns and fake-book sheets. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor. Prerequisite(s): MUS 1522

**MPER 2101 - Edmond Community Chorale**

This course is a town and gown chorale ensemble emphasizing the study and performance of major works from all periods of music, with and without orchestral accompaniment. Prerequisite(s): Ability to match pitch and written permission of instructor.

**MPER 2111 - University Choir**

University Choir provides an opportunity for musically talented UCO students to develop their vocal talents rehearsing and performing a wide variety of choral music. The group will perform a minimum of two on-campus performances during the semester.

**MPER 2141 - Cantilena**

Cantilena is a vocal ensemble for the Soprano/Alto singer. It is open to all qualified students, regardless of major, by audition.

**MPER 2181 - Chamber Singers**

The Chamber Singers perform advanced choral literature which is intended for smaller vocal ensembles. This includes, but is not limited to, Renaissance madrigals, motets, 20th century works, contemporary arrangements and vocal jazz. This ensemble performs for choral concerts and local events.

**MPER 2231 - Guitar Ensemble**

Guitar ensemble is a course offering students the opportunity to perform with other guitarists in the following settings: duets, trios, quartets,

guitar orchestra, and in these settings with other instruments. Students learn how to play as part of an ensemble while improving sight-reading proficiency, technique, tone and timbre. This course may be taken up to eight times for credit.

#### **MPER 2281 - Marching Band**

This course provides students with the opportunity to rehearse and perform literature and drill written for the university marching band. The Marching Band serves as both an academic class and a service organization. The University of Central Oklahoma "Stampede of Sound" Marching Band represents the School of Music and the entire University. Its performances build community and regional ties and provide recruitment opportunities for the University.

#### **MPER 2291 - Wind Symphony**

The Wind Symphony is the premier performing ensemble in the band division of the UCO School of Music. The ensemble prepares and performs music for concerts on and off campus, tours, and other activities throughout the fall and spring semesters. Prerequisite(s): Audition for the conductor and selected wind and percussion faculty.

#### **MPER 2381 - Symphonic Band**

The Symphonic Band is open, by audition, to any instrumentalist in the university community as a way to expand their musical and aesthetic horizons. The group seeks to broaden performance and teaching skills through the programming of interesting, exciting and challenging band repertoire.

#### **MPER 2391 - Orchestra**

The UCO Symphony Orchestra offers a well-rounded orchestral experience through performing four to eight concerts each school year, embodying compositions in a variety of styles from various musical periods.

#### **MPER 2421 - Orchestra Wind Study**

This course provides students with a coached experience in orchestral wind performance. The course emphasizes full participation in a symphonic orchestra that reflects actual professional experience. Students will develop the skills necessary to interpret and perform orchestral literature from the standard repertoire. This course may be taken eight (8) times for credit.

#### **MPER 2461 - Cantare**

Cantare is an ensemble for the Tenor/Bass singer. It is open to all qualified students, regardless of major, by audition.

#### **MPER 2511 - Broadway Singing Techniques**

This course is designed to develop the skill with which the student uses his/her voice in the singing styles of Broadway Musical Theatre. Prerequisite(s): Two semesters of MPER 1002 (Applied Voice) with a minimum grade of "C". Sophomore standing or above.

#### **MPER 2521 - Collaborative Piano II**

This course is an introduction to the study of collaborative piano. Students will continue sight-reading and surveying vocal and instrumental collaborative repertoire selected from intermediate level lieder, art song, orchestral reductions, and instrumental solos. Weekly performances with student instrumentalists or singers will be critiqued and coached by colleagues and the instructor. Prerequisite(s): MPER 1521.

#### **MPER 2731 - Class Piano I**

This is the first in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. These courses are required of all non-piano music majors and minors. Primary chords harmony is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): Concurrent enrollment in MUS 1151 and 1143 is required.

#### **MPER 2781 - Piano Ensemble**

This course is designed for piano majors or students with equivalent proficiency. It will provide solo performers the opportunity for ensemble

playing experience. Areas of concentration will be piano duet literature, two-piano and four-hand piano literature, chamber ensemble with piano, and multiple score reading. Prerequisite(s): Permission from instructor is required and sophomore standing or above.

#### **MPER 2831 - Class Piano II**

This is the second in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. This course is required of all non-piano music majors and minors. All diatonic harmony is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): MPER 2731.

#### **MPER 2931 - Class Piano III**

This is the third in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. This course is required of all non-piano music majors and minors. Chromatic harmony is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): MPER 2731, 2831.

#### **MPER 2941 - Class Piano IV**

This is the fourth in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. This course is required of all non-piano music majors and minors. Harmonic modulation is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): MPER 2731, 2831, 2931.

#### **MPER 2971 - Keyboard Functional Skills**

This course teaches the application of music theory and harmony at the piano. It provides opportunities for students to develop harmonization, transposition, sight-reading, fundamentals of figured bass realization, and other skills needed to function as keyboard instrument players. Prerequisite(s): Three (3) semester hours of applied piano (MPER 1000; MPER 2000 with a minimum grade of "B"). Sophomore standing or above.

#### **MPER 3000 - Workshop in Music Performance**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **MPER 3020 - Applied Music**

This course continues to build on the technical and interpretative skills of MPER 2000, particularly continuing the development of individual self-evaluation and assessment in these areas but now also beginning to apply these skills to the formulation of pedagogical method. The student will continue to explore more advanced levels of the appropriate study and performance literature. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours. Prerequisite(s): MUS 2000 and administrative authorization required.

#### **MPER 3041 - Applied Jazz Improvisation II**

This course continues to build upon the material studied in MPER 2041. Lesson content will include but not be limited to such factors as major and minor diatonic harmony, scale modes, techniques, physiological concerns, song form, blues and musical interpretation. Instructional materials will include materials such as major and minor scale patterns and fake book sheets. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor. Prerequisite(s): MPER 2041 and sophomore standing or above.

#### **MPER 3111 - Concert Chorale**

The concert Chorale provides an opportunity for musically talented UCO students to develop their vocal talents rehearsing and performing a wide

variety of choral music. The group will perform a minimum of two on-campus performances during the semester. Prerequisite(s): Written permission of instructor.

### **MPER 3131 - Musical Theatre Performance**

In this course students will apply specific musical theatre skills in a professional level context through the performance of a specific and significant role in a staged production. These significant roles include those which students may expect to experience in their own professional careers and include, but are not limited to: lead role, secondary role, ensemble member, swing, dance captain, vocal captain, off-stage singer, and understudy. This course may be taken 10 times for credit.

### **MPER 3181 - UCO Chamber Orchestra**

The UCO chamber orchestra offers advanced students the opportunity to perform orchestral works of the 17th and 18th centuries in a chamber setting, working without a conductor. Prerequisite(s): Written permission required.

### **MPER 3341 - Jazz Ensemble**

UCO Jazz Ensembles provide students with technical guidance in ensemble and solo performance while also exposing them to the wide range of styles necessary to perform jazz and commercial music on a professional level.

### **MPER 3422 - American Folk Music Techniques**

This course focuses on the performance techniques and popular literature of American Folk Music using traditional instruments including, but not limited to, guitar, banjo, mandolin, resonator guitar, dulcimer, and percussion. This class is open to music majors and non-majors of intermediate proficiency or classification. Prerequisite(s): Two completed semesters of applied instrumental lessons or instructor permission (evaluation/audition).

### **MPER 3511 - Opera Performance**

This course is the application of vocal, theatrical, and offstage skills to a fully staged production of an opera. Besides preparing the musical aspect of an operatic role, students will also employ training in acting, stage movement, foreign languages, and dance. It culminates in one or more public performances of an opera. Students may be required to fulfill backstage duties as well as onstage roles. This course may be taken 10 times for credit.

### **MPER 3711 - Brass Chamber Music**

This ensemble focuses on brass instruments and the rehearsal and performance of brass literature of various styles. Prerequisite(s): Concurrent enrollment in applied study. Junior or senior standing.

### **MPER 3721 - Percussion Ensemble**

This course will provide opportunities for the percussionist to perform compositions written exclusively for "percussion." Concurrent enrollment in percussion class or applied percussion.

### **MPER 3731 - Woodwind Chamber Music**

This ensemble focuses on woodwind instruments and the rehearsal and performance of woodwind literature of various styles. Prerequisite(s): Concurrent enrollment in applied study. Junior or senior standing.

### **MPER 3741 - String Chamber Music**

This ensemble focuses on stringed instruments and the rehearsal and performance of string literature in various styles. Prerequisite(s): Concurrent enrollment in applied study. Junior or senior standing.

### **MPER 3811 - Junior Recital**

This course is a public recital performance at the junior level. Prerequisite(s): Junior standing.

### **MPER 3990 - Advanced Topics In Music Performance**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

### **MPER 4000 - Applied Music**

This course continues the more advanced study of the applied area initiated particularly in MPER 3000. The goal of the course is to provide the student with the necessary technical and analytical skills to operate at an entry level as an independent professional in the areas of performance and pedagogy. The student will be presented with intellectual, interpretative and technical demands that require more sophisticated and independent analysis and greater individual creativity. Study material will consist of technical and performance repertoire typical of a practicing professional. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1 to 3 hours.

### **MPER 4041 - Applied Jazz Improvisation III**

This course continues to build upon the material studied in MPER 3041. Lesson content will include but not be limited to such factors as major, minor, diminished, and melodic minor diatonic harmony, scale modes, technique, physiological concerns, song form, blues and musical interpretation. Instructional materials will include materials such as major, minor and melodic minor scale patterns and fake book sheets. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor. Prerequisite(s): MPER 3041 and junior or senior standing.

### **MPER 4052 - Applied Historical Instruments**

This course is the applied study of a specific historical instrument and the technique and performance practice appropriate to that instrument, its period and literature. This study requires an advanced level of both general musical knowledge and specific skill in performance on the student's major applied instrument.

### **MPER 4221 - Jazz Combo**

Jazz Combo is a highly specialized small ensemble experience for the advanced undergraduate jazz studies student. Auditions will take place at the beginning of each semester at the UCO Jazz Lab. This course may be taken six (6) times for credit. Prerequisite(s): MUS 1522.

### **MPER 4481 - Collegium Musicum**

This course is a performance laboratory in which technical skills relevant to historical performance are developed, especially those that relate to ensemble performance. It covers the historical national styles, ornamentation, specific stylistic skills and knowledge relevant to the individual instrument families as well as issues of rhythm, tempo, expression and articulation. This course may be taken 10 times for credit. Prerequisite(s): Junior or senior standing. Enrollment open to music and music education majors only.

### **MPER 4521 - Collaborative Piano III**

This course is third in a series of three courses designed to build collaborative piano skills. Students enter this phase of collaborative training after having finished two previous semesters of collaborative piano courses and a junior recital. Students are assigned projects, both vocal and instrumental, and are coached by collaborative piano faculty. The course will involve recital, jury, or masterclass performances along with study of more advanced lieder and art-song repertoire, arias, orchestral reductions and instrumental solos. Prerequisite(s): MPER 2521.

### **MPER 4812 - Senior Recital**

This course is a public recital performance at the senior level consisting of not less than 50 minutes of literature. Prerequisite(s): Senior standing. Satisfactory completion of six semesters in major applied area and consent of major applied instructor.

**MPER 4821 - Collaborative Piano Recital**

This course is a public recital performance at the senior level consisting of not less than 30 minutes of literature.

**MPER 4900 - Practicum in Music Performance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MPER 4910 - Seminar in Music Performance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MPER 4920 - Workshop in Music Performance**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MPER 4930 - Individual Study In Music Performance**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MPER 4940 - Field Study in Music Performance**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**MPER 4950 - Internship In Music Performance**

Credit will vary from 1 to 8 hours. Written permission of department chairperson required.

**MPER 4960 - Institute in Music Performance**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Written permission of department chairperson required.

**MPER 4970 - Study Tour In Music Performance**

Credit will vary. Subject matter will vary within the department's field of study.

**MARKETING (MRKT)  
Department of Marketing**

**MRKT 2000 - Topics In Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MRKT 3000 - Workshop In Marketing**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MRKT 3013 - Principles of Marketing**

This course is a survey of the nature, scope, and economic importance of marketing, analysis of marketing functions, institutions, pricing, demand creation, costs and marketing legislation. Students should take this course prior to other marketing courses. Prerequisite(s): Sophomore standing or above.

**MRKT 3123 - Professional Selling**

This course examines the role of professional selling in the marketing mix and addresses professional selling activities and techniques. Topics covered include prospecting, overcoming objections, the effective preparation and presentation of a persuasive sales presentation, questioning and closing methods, time and territory management, and social, ethical, and legal issues in sales. Students are encouraged to take MRKT 3013 Principles of Marketing before taking Personal Selling.

**MRKT 3313 - Business Logistics**

This course covers contemporary business logistics, including transportation management and warehousing management, inventory control and

distribution. Business logistics is presented from a strategic management approach that blends practical applications and logistics theory within the broader field of supply chain management. Prerequisite(s): MRKT 3013 or MRKT 3123 or instructor approval.

**MRKT 3423 - Consumer and Market Behavior**

This course studies the underlying behavioral and social science models and theories that describe consumer behavior in the retail marketplace. These models and theories are then applied to assist marketers in decisions when marketing to consumers. Prerequisite(s): MRKT 3013

**MRKT 3433 - Electronic Marketing**

Electronic Marketing is designed to bridge the gap between the rapidly emerging field of electronic commerce and the traditional practices marketers currently use in the marketplace. This course will include an overview of how traditional marketing practices can be improved with the use of Internet technologies and electronic communications network systems. Specific topics covered include an investigation of the underlying principles of electronic marketing, the review of Internet business models, identification of on-line target customers, preparation of e-marketing mix, and management of the implemented e-marketing efforts, along with the application of up-to-date technologies such as web analytics, search engine marketing, and social networking as marketing tools to identify, attract and serve customers in the marketplace. Prerequisite(s): Three hours of marketing with senior standing.

**MRKT 3443 - Business to Business Marketing**

This course is a study of all areas of marketing with emphasis on the marketing management aspect of business-to-business marketing. Prerequisite(s): MRKT 3013 or MRKT 3123.

**MRKT 3453 - Services Marketing**

This course provides students with the conceptual and managerial tools for marketing in the service sector context. These concepts and tools include the unique characteristics of services, determinants of service equality including GAP analysis, product development in the services sector, positioning, managing supply and demand, and creating a strategic service vision. Prerequisite(s): MRKT 3013 with junior or senior standing.

**MRKT 3990 - Advanced Topics In Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MRKT 4113 - Marketing Research**

In this course scientific methods will be applied to the solution of marketing problems. The techniques of determining problems, collecting data, tabulating data, and interpreting findings will be stressed. Emphasis will be placed on making the student a better user of marketing research. Prerequisite(s): MRKT 3013 and ECON 2173.

**MRKT 4123 - Consulting In The Real Environment**

This course is an interactive, hands-on application of knowledge gained through the student's business degree program. Student teams work with an assigned business in the community and offer recommendations that resolve business problem areas as defined by the client. Students must have a private source of transportation. Credit may be earned in only one course from FIN 4123, MGMT 4123, MRKT 4123. Prerequisite(s): open to senior business majors. ACCT 2113, 2133, BCOM 3143, ECON 2103, 2203, FIN 3563, MGMT 3103, MRKT 3013.

**MRKT 4133 - Advanced Professional Selling**

Advanced Professional Selling gives students an opportunity to expand on and master the concepts learned in Personal Selling. There will be an increased emphasis on professional sales training techniques like role-modeling and video-recorded feedback, to practice and prepare sales presentations for the competitive environment in the present and future marketplaces. Students may have the opportunity to compete in national sales competitions. Prerequisite(s): MRKT 3123.

**MRKT 4143 - Sales Force Management**

This course is a critical analysis of the principles, methods, and problems relating to the management of the sales force. Special emphasis will be given to organization, recruiting, selection, training, expenses, compensation, motivation, and evaluation of the sales force. Students are encouraged to take Personal Selling (MRKT 3123) before taking Sales Force Management. Prerequisite(s): MRKT 3013 or MRKT 3123.

**MRKT 4353 - Marketing Ethics**

The student will gain an understanding of the major theories from philosophical ethics and their importance and application to the discipline of marketing. The student will gain an understanding of the role of logic and critical thinking in the ethical decision making process. Students will then apply theory to contemporary marketing situations and case studies utilizing logic and critical thinking skills. Prerequisite(s): MRKT 3013 or MRKT 3123.

**MRKT 4413 - International Marketing**

International Marketing investigates the strategies, policies, and variables for international marketing decisions. This course focuses on how economic, trade, cultural, political, and legal environments in the international marketplace influence organizational investment and marketing decisions. Methods are identified throughout the course to help these organizations successfully design and implement marketing strategies to create competitive advantages in the global market. Prerequisite(s): MRKT 3013.

**MRKT 4433 - Purchasing & Materials Management**

A study of the functions of purchasing, the fundamentals of materials management, and the auxiliary services performed by the purchasing department. Oriented toward the industrial, institutional, and governmental purchaser. Prerequisite(s): MRKT 3013.

**MRKT 4453 - Retail Management**

Study of all levels of management responsibility (strategic, administrative, and operating) within the two largest functional divisions of retail organizations, namely the merchandising and store operations divisions. They are the most critical with respect to revenue production, management of assets, and productive use of resource funds expended in operations. Prerequisite(s): MRKT 3013 or MRKT 3123.

**MRKT 4463 - Integrated Marketing Communication**

This course builds on a rigorous base of consumer psychology and then proceeds to treat advertising, reseller stimulation, personal selling, and other communications tools as part of an overall promotional mix. The course develops fundamental considerations as background and then focuses on managerial issues and problems. Prerequisite(s): MRKT 3013. This course replaces MRKT 4003 Promotional Strategy.

**MRKT 4813 - Marketing Management**

This is the capstone course in marketing. The purpose of this course is to prepare advanced students in marketing to apply the concepts learned in previous marketing classes to actual marketplace conditions. Future marketing managers will apply marketing concepts to plan, implement, and control programs designed to bring about desired exchanges with target markets for the purpose of achieving organizational objectives. Marketing management includes designing the organization's offerings in terms of the target market's needs and desires and effective product development, pricing, promotion, and distribution channels as they apply to the marketing plan. This course should be taken as the final course in marketing. Prerequisite(s): Nine hours of marketing and senior class standing.

**MRKT 4900 - Practicum In Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MRKT 4910 - Seminar In Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): MRKT 3013.

**MRKT 4920 - Workshop In Marketing**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MRKT 4930 - Individual Study In Marketing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MRKT 4950 - Internship In Marketing**

Credit will vary from 1 to 8 hours.

**MRKT 4960 - Institute In Marketing**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**MRKT 4970 - Study Tour In Marketing**

Credit will vary. Subject matter will vary within the department's field of study.

## MUSIC EDUCATION (MUED) School of Music

**MUED 2112 - Intro to Music Education**

This course provides an overview of PK-12 school music teaching. Topics include an introduction to the history of music education, trends, issues, methodologies, and responsibilities of the music teacher in today's PK-12 schools.

**MUED 2121 - Solfege Studies for Music Ed**

This course will offer practical development of sight-singing skills using the traditional movable "do" system. Emphasis is on supporting musicianship and pedagogical skills of the developing music educator through the use of solfege techniques.

**MUED 3000 - Workshop in Music Education**

Credit will vary from 1 to 6 hours. Subject will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MUED 3122 - Teaching Music to Children**

This course is an activity-oriented approach designed to address the integral role of music as a component in the aesthetic and social development of the elementary child as well as provide an understanding and competence in the basic elements of music through singing, listening, movement, playing instruments, and creative dramatics. Content will include elementary age appropriate literature that will serve to build community in the general classroom and cultivate an understanding of the elements of music. Additional content will consist of literature that serves to facilitate the learning of general curriculum to include language, arts, math, science, and social studies.

**MUED 3132 - Marching Band Techniques**

This course is a study of techniques in the organization, implementation and teaching of marching bands in secondary schools as well as a study of the history, function, and philosophy of the marching band.

**MUED 3221 - Instrumental Techniques**

This course will teach a vocal music education student valuable information on the implementation, organization, and instruction of an instrumental program in a secondary school. The student will also gain insight into working with instrumentalists in rehearsal and performance situations. Prerequisite(s): Junior or senior standing.

**MUED 3232 - Brass Techniques**

This course is class instruction in the major brass instruments and a survey of entire brass choir, including an emphasis on pedagogical techniques including assessment strategies and single instrument maintenance.

nance. The course addresses the music learning environment, classroom management, selected observations and reflections on instructional practices, understanding the state teacher evaluation process and instructional strategies for incorporating the criteria into the teaching and learning process.

#### **MUED 3292 - Woodwind Techniques**

This course is class instruction in the major woodwind instruments and requires an advanced level both in disciplinary music knowledge and in the student's own major applied instrument. The course's main focus is to develop skill in solo instrument performance as a foundation for the integral development of pedagogical and assessment techniques.

#### **MUED 3432 - String Techniques**

This course is class instruction in stringed instruments and requires an advanced level both in disciplinary music knowledge and in the student's own major applied instrument. The course's main focus is to develop skill in solo instrument performance as a foundation for the integral development of pedagogical and assessment techniques.

#### **MUED 3492 - Percussion Techniques**

This course is class instruction in the percussion instruments and requires an advanced level both in disciplinary music knowledge and in the student's own major applied instrument. The course's main focus is to develop skill in solo instrument performance as a foundation for the integral development of pedagogical and assessment techniques.

#### **MUED 3990 - Advanced Topics In Music Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MUED 4262 - Elementary Music Techniques**

The elementary music techniques is a 3-day workshop for elementary music and general classroom teachers, and undergraduate education students. A nationally recognized clinician will offer sessions on all areas of elementary music education. Prerequisite: Admission to Teacher Education program.

#### **MUED 4843 - Instrumental Music Methods**

This course will involve the pre-service instrumental music education major in a study and overview of philosophy of music education, administrative, classroom management and teaching techniques, and materials for assessing the educational status and progress of students. The course includes, but is not limited to topics such as performance-based assessment, portfolios, objective writing, record keeping, grading procedures, and communication with the community and teaching a successful instrumental music and administering bands and orchestras in secondary schools. Prerequisite(s): Admission to Teacher Education program. Enrollment open to music education-instrumental majors only. Junior or senior standing.

#### **MUED 4853 - Elementary Vocal Music Methods**

In this course the student will study all components of teaching vocal music in the elementary grades, including historical foundations, learning theories, methodologies, techniques, resources, curriculum planning, classroom management and assessment strategies. Prerequisite(s): Junior or senior standing. Enrollment open to music majors only.

#### **MUED 4862 - Instructional Music Methods-Secondary**

In this course the student will study the problems and methods of teaching instrumental music in the junior and senior high school. For music majors only.

#### **MUED 4873 - Secondary Vocal Music Methods**

In this course the student will study all components of secondary vocal music teaching including historical foundations, methodologies, trends, techniques, curriculum planning, classroom management and assessment strategies for middle school/junior high and high school choirs. Prerequisite(s): Junior or senior standing.

#### **MUED 4900 - Practicum in Music Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study

#### **MUED 4910 - Seminar in Music Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MUED 4920 - Workshop in Music Education**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **MUED 4930 - Individual Study In Music Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MUED 4940 - Field Study in Music Education**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

#### **MUED 4950 - Internship in Music Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **MUED 4960 - Institute in Music Education**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **MUED 4970 - Study Tour in Music Education**

Credit will vary. Subject matter will vary within the department's field of study.

### **MUSIC (MUS) School of Music**

#### **MUS 1021 - Summer Bridge Program**

This bridge course is structured to prepare incoming freshman music students for a successful first year of college. Topics that are often problematic in first year music classes will be covered, with the main focus on beginning theory and aural skills. A chamber music component will teach collaboration and give the students the opportunity to work with their new peers. In addition, performances by and discussions with current students and faculty will welcome the students to their degree program.

#### **MUS 1102 - Success in Music**

This course is designed to provide first year music majors with training in the skills necessary to achieve general academic success but particularly also success both in the pursuit of a degree in music and in the subsequent practice of music as a professional. It includes training in skills and behaviors relevant to establish effective practice, rehearsal, performance, time and schedule management, mental and physical health, and the level of professionalism expected in the field of music. Prerequisite(s): Enrollment open to freshmen only.

#### **MUS 1113 - Introduction to Basic Music Skills**

A beginning course in the fundamentals of music, this course consists of a study of harmony, rhythm, music notation, and musical terminology, including learning the staff, notes, intervals, scales, modes, chords, keys and signatures, and develops a basic understanding of music notation and basic structures in music. This course will also introduce notation devices of popular and jazz music including chord symbols, lead sheets, and discuss modern computer applications for the production and scoring of music of all styles.

#### **MUS 1120 - Recital Attendance**

The departmental recital provides undergraduate music majors with a performing venue that creates a learning experience through the simulation of actual professional experience. Students, both performers and

audience members, will learn appropriate standards of performance, concert etiquette, stage deportment and attire. The course requires attendance at weekly performance recitals.

### **MUS 1143 - Music Theory I**

This course is an introduction to the vertical and linear dimensions of tonal music. After review of music fundamentals, in which students will be expected to demonstrate facility and speed in naming and spelling basic tonal materials, the course will introduce traditional contrapuntal exercises, rhythmic organization, and basic diatonic harmony. This course is first in the theory sequence for music majors. Prerequisite(s): Concurrent enrollment in MUS 1151 and (MPER 2731 or MPER 1000 for piano majors) is required.

### **MUS 1151 - Aural Skills I**

This first course of four in the sequence will emphasize strategies for accurate and expressive reading, improvising, singing, and dictation using elementary rhythms and diatonic pitch materials in treble and bass clefs. Prerequisite(s): Concurrent enrollment in MUS 1143 and (MPER 2731 or MPER 1000 for piano majors) is required.

### **MUS 1161 - Aural Skills II**

In this second course in the aural skills sequence, students will complete their aural understanding of diatonic harmony, will expand their improvisatory capabilities, will experience simple harmonic sequences, and will master most of the rhythmic gestures necessary for performance of Renaissance and common-practice European art music. Alto and tenor clefs will be introduced with emphasis on rapid and accurate reading, along with associated transpositions. All harmonic, melodic, rhythmic, and formal procedures build on materials mastered in MUS 1143. Prerequisite(s): MUS 1143 and 1151. Concurrent enrollment in MUS 1183 is required.

### **MUS 1183 - Music Theory II**

This course is the second in the undergraduate theory sequence. Students will continue the study of tonal harmony and voice leading, both through written work and analysis, focusing mostly on diatonic harmony (chords available within the prevailing key); however, they will also begin to explore techniques of tonicization and modulation (moves to different keys). Prerequisite(s): MUS 1143 and 1151. Concurrent enrollment in 1161 is required.

### **MUS 1714 - Music Theory Musical Theatre I**

This course offers the musical theatre major an introduction to music fundamentals and aural skills and will consist of studies in harmony, rhythm, notation, and musical terminology appropriate to musical theatre repertoire. In addition to fundamental music content, this course will infuse aural skills training (sight reading and aural perception) in all lecture content. Prerequisite(s): Freshman or sophomore standing. Enrollment open to Music Theatre majors only.

### **MUS 1724 - Music Theory Musical Theatre II**

As a continuation of MUS 1714 this course offers an intermediate study of musical notation, chord symbols, lead sheets, and harmonic structure specific to musical theatre repertoire. This course also introduces aspects of musical form and composition techniques. Students will continue to strengthen their sight-reading abilities through rhythmic, melodic, and harmonic exercises. Prerequisite(s): MUS 1714 and freshman or sophomore standing. Enrollment open to Music Theatre majors only.

### **MUS 1742 - Musical Theatre I**

Musical Theatre I establishes foundational fundamentals of musical theatre, exploring a basic understanding of all aspects of the craft: singing, dancing, and acting. The course fosters individual artistry in each student, while providing a disciplined, structured introduction to musical theatre technique in all areas. This course may be taken three times for credit.

### **MUS 1752 - Musical Theatre II**

Musical Theatre II continues foundational fundamentals of musical theatre, exploring an understanding of all aspects of the craft: singing,

dancing, and acting. The course further develops individual artistry in each student, while providing a disciplined, structured introduction to musical theatre technique in all areas. Through practical application, Musical Theatre II emphasizes basic interview and audition techniques, as well as introductory musical theatre song study methods. This course may be taken two times for credit.

### **MUS 2123 - Music Appreciation**

This course is a global study of both vernacular and art music from antiquity through the twentieth century. It is geared for the novice listener and/or concert patron.

### **MUS 2133 - Western Music Appreciation**

This course is designed to provide students with an introduction to the heritage of western art music from the middle ages to the present. Within that period it covers major composers and compositions, instruments and ensembles, and styles and genres. The ultimate objective is to develop in students a life-enhancing appreciation for one of western civilizations major forms of personal and cultural expression.

### **MUS 2151 - Aural Skills III**

In this, the third course in the aural skills sequence, students will continue to build on skills acquired in the earlier courses. New material in this course emphasizes a systematic introduction to chromatic processes in tonal music, various problems associated with changing meter signatures and polyrhythms, and perception of tonal processes in complete movements composed in larger forms. Prerequisite(s): MUS 1183 and 1161. Concurrent enrollment in MUS 2223 is required.

### **MUS 2161 - Aural Skills IV**

In this, the fourth course in the aural skills sequence, students will continue to build on skills acquired in the earlier courses. New material in this course continues to deal with chromatic material, mode mixture, modulations of all types, various problems associated with changing meter signatures and polyrhythms, and perception of tonal processes in complete movements composed in larger forms, including sonata-allegro form, sonata rondo, concerto, and composite forms. The students will be expected to evaluate and perform music from scores larger than two staves. Prerequisite(s): MUS 2223 and 2151. Concurrent enrollment in MUS 2593 is required.

### **MUS 2223 - Music Theory III**

This course is the third in the undergraduate theory sequence. Students will explore the meaning of chromaticism in tonal music through the examination of tonicization, common chord modulation, modal mixture, chromatic pre-dominants and enharmonic chromatic modulation. Prerequisite(s): MUSIC 1183 and 1161. Concurrent enrollment in MUS 2151 is required.

### **MUS 2243 - World Music**

This course is a "journey" to ten regions of the World: Oceania, South Asia, Southeast Asia, East Asia, The Middle East, Europe, Sub-Saharan Africa, The Caribbean, South America and Mexico, Canada and the United States. This survey of diverse cultures and their music prior to contact with western media is the focus of the journey.

### **MUS 2253 - Music in Film**

Music in Film explores movie soundtracks as an appreciation of music. By tracing the evolution of film music from early film to present day cinema, students will learn methods for analyzing what is heard along with developing the ability to understand the unique styles of various film composers.

### **MUS 2321 - Beginning Tap Dancing**

This course covers the fundamentals of tap dancing including: terminology, basic steps, history, and style. It is cross listed with DANC 1621. Credit may be earned in only one of these courses.



**MUS 2331 - Intermediate Tap Dancing**

This course is a continuation of MUS 2321 with emphasis on advanced steps, transition steps, ensemble, and solo work. This course is cross listed with DANC 2621; credit may be earned in only one of these two courses. Prerequisite(s): MUS 2321.

**MUS 2351 - Musical Theatre Dance Styles I**

This course is the study and practice of musical theatre dance. Through practical and historical samplings of dance combinations from the musical theatre repertoire, students will form a foundation to perform in an array of styles from various cultures and the early periods used in musical theatre dance. Ballet, tap, jazz and other dance forms may be explored within original and reinvented choreographic works. Emphasis is placed on technique, performance quality and auditioning skills. It is assumed that students will possess previous training in the basic techniques of dance. This course may be taken two times for credit.

**MUS 2371 - Musical Theatre Dance Styles II**

This course continues to build on the previous study and practice of musical theatre dance. Through practical and historical samplings of dance combinations from the musical theatre repertoire, students will expand a foundation for performance in an array of styles from various cultures and the later periods used in musical theatre dance. Ballet, tap, jazz and other dance forms may be explored within original and re-invented choreographic works. Increased emphasis is placed on technique, performance quality and auditioning skills.

**MUS 2423 - Native American Music**

This course is an exploration of Native American music as an integral part of Native American life. The class will study both the history and the preservation and perpetuation of these traditional cultures in contemporary public and private context.

**MUS 2443 - History of Video Game Music**

This course examines the genre of gaming music, the historical evolution of gaming music history, and function within the broader scope of game audio. Students will learn to recognize common elements in gaming music and will use technology to create their own game music.

**MUS 2473 - History Of Music Theatre**

This course will examine the history, philosophy, and significance of one of the quintessentially American forms of performance--the musical theatre. The course will explore the context of the musical in the theatre throughout history and in the contemporary arts through a study of historical evolution.

**MUS 2483 - History of Rock and Roll**

This course explores the musical and cultural history of rock music beginning with its roots in delta blues, rhythm and blues, country and western, and rockabilly. The course seeks to provide students with the ability to hear a direct relationship between those roots and music currently popular. The course will focus on musical styles that span the development of rock music, the artists that represent these styles, and the cultural events and movements that have shaped, or have been shaped by, the music of rock and roll.

**MUS 2533 - Music of the Civil Rights Mvt**

This course explores music written and produced during the Civil Rights Movement of the 1960's. It will trace profound social impacts that the music had during one of the most turbulent times in American history. Students will additionally analyze and chronicle how events equally shaped the music of the generation.

**MUS 2562 - Singing for the Stage I**

This course is the training of students to perform on stage as a classical singer and will include training in acting, stage movement, stage deportment, role preparation, and career planning. Students will prepare and perform songs and spoken monologues in English. Students will also

learn basic terminology for technical theater and experience basic training in technical theater duties.

**MUS 2593 - Music Theory IV**

This course is the fourth in the undergraduate theory sequence. This course will introduce large musical forms including Variation and Rondo and Sonata-allegro form. Students will also study music of the twentieth century and beyond. Prerequisite(s): MUS 2223 and 2151. Concurrent enrollment in MUS 2161 is required.

**MUS 2633 - Jazz History**

This course will examine the historical development of jazz music as well as the important elements which comprise the individual styles of jazz. The class will focus on important musicians and literature of each era. Attention will also be brought to social aspects of American history as it directly relates to the development of jazz music.

**MUS 2673 - Music History for Music Theatre**

This course is a survey of the history of music from ancient times to the present with special attention to its relationship to the history of theatre. The course is specially designed to fulfill the music history requirement for music theatre majors while drawing out the close relationship between music and theatre over the centuries.

**MUS 2742 - Musical Theatre III**

Musical Theatre III further advances technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. Through practical application, this intermediate course guides the emerging artist through an intermediate exploration of interview/audition and song study. This course may be taken two times for credit.

**MUS 2752 - Musical Theatre IV**

Musical Theatre IV contains developing technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. Through practical application, Music Theatre IV advances developing musical theatre technique in all areas. This course may be taken two times for credit.

**MUS 2841 - Opera Workshop**

Opera Workshop presents the fundamentals of performance on the operatic stage through extensive study of opera scenes, acting, diction, recitative work and audition techniques. The semester ends with a public performance of opera scenes studied during the semester.

**MUS 3000 - Workshop In Music**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MUS 3032 - Woodwind Literature**

This course will systematically explore the solo, chamber, and selected orchestral music for woodwind instruments through the study of musical scores and recordings.

**MUS 3042 - Brass Literature**

This course examines solo, chamber, and selected orchestral music for brass instruments through the study of musical scores and recordings.

**MUS 3052 - Percussion Literature**

This course will systematically explore the solo, chamber, and selected orchestral music for percussion instruments through the study of musical scores and recordings.

**MUS 3062 - String Literature**

This course examines the solo, chamber, and selected orchestral music for stringed instruments through the study of musical scores and recordings.

**MUS 3102 - Principles Of Conducting**

This course will teach conducting and rehearsing music, from simple one-line to multi-part works. Conducting patterns, musical interpretation, and rehearsal techniques are stressed, using both vocal and instrumental literature. A substantial background in music is required. Prerequisite(s): Junior or senior standing.

**MUS 3162 - Instrumentation and Arranging**

This course familiarizes students with the basics of instrumentation, transposition, and score preparation in order to better facilitate arrangements and/or original compositions using the consorts studied. After the basics are covered, this course will focus on the techniques of creative arranging and orchestration or multiple genres of music. Students will be evaluated on their creative use of the four instrument families of the modern symphony orchestra: strings, woodwinds, brass, and percussion. By the end of the course, the student will be able to arrange an art song for a small mixed ensemble. Arrangements will be performed in class by the students as they are available. All projects will be completed using computer notation software. Prerequisite(s): MUS 2593.

**MUS 3232 - Structural Analysis**

As an extension of the core music theory curriculum, this course is a culmination of all material covered in the first two years of study. Intertwined with a review of the contrapuntal, harmonic, and formal procedures and concepts that were presented in previous music theory courses will be the introduction of graphic analysis, and its role in representing students' deeper level understanding of linear and harmonic motions and how this understanding impacts performance decisions. Students will be presented with whole compositions from the 18-19th centuries for analysis. Students will present an analysis and research project at the end of the course. Prerequisite(s): MUS 2593.

**MUS 3252 - Introduction to Post-Tonal Analysis**

This course introduces and explores a broad range of analytical techniques and issues relevant to twentieth-century music. The course deals with the analysis of various musical dimensions in a core repertoire that will vary from semester to semester. Topics include meter/rhythm, harmonic syntax, motivic structure, deeper-level linear structure, formal processes, and text/music relationships. Students will examine high chromaticism, atonality, serialism, impressionism, minimalism, and music concrete including electronic music, and will be introduced to basic functional and non-functional jazz harmony. Students will be expected to present analyses and apply learned techniques through composition projects. Prerequisite(s): MUS 2593.

**MUS 3281 - Singing Diction Seminar**

This course provides instruction in singing diction concepts, including use of the International Phonetic Alphabet and proper guidelines for pronouncing and singing English and foreign language texts. The languages covered in this course will vary depending on the semester and may include instruction on English, Italian, German, French, Latin, and/or Spanish. This course may be taken two times for credit. Prerequisite(s): MPER 1000 and sophomore standing or above.

**MUS 3312 - Italian Lyric Diction**

The purpose of this course is to present the sounds and symbols of the International Phonetic Alphabet and the application of those sounds and symbols as a tool in learning the correct pronunciation and rules in singing Italian Vocal repertoire. It is designed for the career singer, the choral conductor, the teacher of singing and the coach/accompanist expected to perform, teach or conduct vocal literature in an academic or professional setting.

**MUS 3322 - Music Composition**

This course introduces students to the craft of musical composition through instruction in the techniques of melodic and harmonic structure, counterpoint and voice leading, instrumentation and orchestration. The student will progress through the creation of simple toward more elabo-

rate compositions, also through training in a variety of compositional styles. Prerequisite(s): 8 hours of music theory, including 1000 and 2000 levels.

**MUS 3342 - Wind Ensemble & Orchestra Literature**

This course is the study of wind ensemble and orchestra literature. It examines the historical evolution of wind/ orchestral literature and representative works for wind ensemble and orchestra.

**MUS 3351 - Musical Theatre Dance Styles III**

This course is the intermediate study and practice of musical theatre dance. Through the recreation of the works of famous Broadway and Hollywood choreographers, students will be challenged by increasing their ability to perform in a more advanced array of styles of Musical Theatre dance. Ballet, tap, jazz and other dance forms will be explored within re-invented choreographic works. Emphasis is placed on developing more advanced technique, performance quality and auditioning skills. This course may be taken two times for credit.

**MUS 3362 - Tonal Counterpoint**

This is a course in tonal counterpoint, focusing primarily on the Baroque style, but with work in later eighteenth and early nineteenth-century styles as well. Students will review chorale settings, writing of chorale preludes and variations, inventions and suite movements, introduction to fugue. Relevant analysis provides context for compositional study. Prerequisite(s): Eight hours of music theory. Prerequisite(s): MUS 2593.

**MUS 3402 - Instrumental Conducting**

This course is a continuation of Music 3102 - for the instrumental conductor.

**MUS 3433 - Music History Survey I**

The purpose of music history is to inform practice through the study of musical styles, structures, resources and practices within their historical and social context. This survey covers non-western and western music to 1750. It emphasizes the development of aural and score analysis through the study of representative selections of the repertoire. Prerequisite(s): MUS 1183 and sophomore standing or above.

**MUS 3443 - Music History Survey II**

The purpose of music history is to inform practice through the study of musical styles, structures, resources and practices within their historical and social context. This survey covers western music from 1750 to the present. It emphasizes the development of aural and score analysis through the study of representative selections of the repertoire. Prerequisite(s): MUS 1183, 3433 and sophomore standing or above.

**MUS 3453 - Piano Literature I**

This course is a study of piano literature from the Baroque to Classical periods. It involves performance practices of these styles and periods through performing, listening, and analysis of the literature. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000, MPER 2000), MUS 1143, 1183, 2223, 2593, 1151, 1161, 2151, and 2161. Junior or senior standing.

**MUS 3473 - Piano Literature II**

This course is a study of piano literature from the Romantic period to present day. It involves performance practices of these styles and periods through performing, listening, and analysis of the literature. Prerequisite(s): Four (4) hours of applied piano (MPER 1000, 2000), MUS 1143, 1183, 2223, 2593, 1151, 1161, 2151, 2161 and 3453 with a minimum grade of "B".

**MUS 3482 - Vocal Literature Seminar**

This course is the study of topics within the larger area of western vocal literature for solo voice. The purpose of this course is to create a framework for informed performances through the study of the musical style, structure, and practice of vocal literature within its historical and social context, including attention to textual interpretation and diction. The course is

presented through lecture, demonstrations, recordings and class participation of representative selections of the repertoire. The area of western vocal literature studied will vary on the semester offered. This course may be taken up to three times for credit. Prerequisite(s): Junior or senior standing.

### **MUS 3512 - Choral Conducting**

This course is a continuation of Music 3102 (Principles of Conducting) for choral conductors.

### **MUS 3522 - Guitar Literature**

This course examines the solo literature and performance practices of the guitar and its predecessor instruments from the Renaissance to the present day through scores, recordings and performances, and through the creation of critical transcriptions for the modern instrument. Prerequisite(s): 8 hours of applied guitar and junior standing or above.

### **MUS 3532 - Voice Pedagogy**

In this course the student will analyze the physiology of the Larynx and study the muscles involved in singing. This course will instruct students in various vocal methods. They will learn to critically examine teaching methodologies and apply their knowledge of the physiology to their own teaching. This course will also discuss vocal health and the impacts of behavior and medications on the singing voice. This course is designed to prepare students to teach voice and be able to evaluate their own approach to singing.

### **MUS 3552 - Vocal Sight - Singing**

This course will improve sight-singing and ear-training skills of vocal students, in order to enhance their performance ability. Prerequisite(s): MUS 1183 and 1161. Junior or senior standing.

### **MUS 3562 - Jazz Theory & Analysis 1**

Jazz Theory and Analysis presents the grammar and syntax of jazz. This course is intended to introduce the student to the basic harmonic, melodic and stylistic elements of jazz music. Prerequisite(s): MUS 1143 and 1151 with a minimum grade "C".

### **MUS 3572 - Jazz Theory and Analysis 2**

Jazz Theory and Analysis 2 builds upon concepts presented in Jazz Theory and Analysis 1 through more in-depth study of jazz grammar, syntax, harmony, melody, and style. Students will be expected to provide detailed written analysis of historically important jazz solos and arrangements, complete an aural transcription, and compose original jazz etudes and counterpoint effectively demonstrating comprehension of advanced concepts. Prerequisite(s): MUS 3562.

### **MUS 3662 - Jazz Arranging**

Jazz Arranging introduces students to the art of writing for small and large jazz ensembles through an examination of techniques used by some of the genre's greatest composers and arrangers. Students will be expected to analyze scores of past masters and creatively apply lessons learned towards the construction of well-written, professional level arrangements suitable for public performance. Prerequisite(s): MUS 3562 or concurrent enrollment in MUS 3562 (by permission only).

### **MUS 3731 - Music Technology**

Music Technology introduces the basic components of modern music technology including audio recording, MIDI recording and computer-based music notation. Prerequisite(s): Junior or senior standing.

### **MUS 3742 - Musical Theatre V**

Musical Theatre V further develops technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. This intermediate course guides the emerging artist through an intermediate exploration of musical theatre technique in all areas. Through practical application, Musical Theatre V introduces students to musical theatre scene study. This course may be taken two times for credit.

### **MUS 3752 - Musical Theatre VI**

Musical Theatre VI continues to build on the technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. Through practical application, Musical Theatre VI advances developing musical theatre techniques in all areas. This course may be taken two times for credit.

### **MUS 3761 - Ldrshp Chamber Music Ensemble**

This ensemble focuses on the process of forming of a successful chamber music group and the rehearsal and performance of various styles of literature. The participants will be expected to perform outreach in the Oklahoma City Metropolitan Area. Prerequisite(s): Must be enrolled concurrently in Applied Lessons.

### **MUS 3782 - Piano Pedagogy I**

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for average-age beginners in group and individual lessons. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000). Junior or senior standing. Concurrent enrollment in MUS 3020 Applied Piano Pedagogy is required.

### **MUS 3982 - Piano Pedagogy II**

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for average-age and adult elementary students in group and individual lessons. It is a continuation of study from Piano Pedagogy I. Prerequisite(s): MUS 3782. Junior or senior standing. Concurrent enrollment in MPER 3020 Applied Piano Pedagogy is required.

### **MUS 3990 - Advanced Topics In Music**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **MUS 4213 - Music Theatre Directing I**

In this course the student will study the historical emergence of the director, production techniques, working with staff, artistic staff and performers, and coordination of all elements of preproduction, production, and post production. Prerequisite(s): MUS 2473, 3423, and written permission of instructor.

### **MUS 4223 - Music Theatre Directing II**

In this course the student will choose scenes from music theatre repertoire, cast them, and select the crew and staff and take the scenes through production and performance. Prerequisite(s): MUS 2331, 3622, 4213, and written permission of instructor.

### **MUS 4242 - Instrumental Ensemble Pedagogy**

This course is the study of basic instrumental ensemble rehearsal philosophies and pedagogical techniques. Emphasis will be placed on equipping the public school band or orchestra teacher with the skills and abilities to identify problems, prescribe effective solutions, and build rapport with young players in a productive and positive environment.

### **MUS 4313 - Music Research & Methods**

This course introduces students to research in the music, including historical methodology, source evaluation, critical method and major research tools. It supports current undergraduate musical study both applied and academic and prepares students for success in graduate study. Prerequisite(s): Junior or senior standing.

### **MUS 4333 - Music Leadership & Advocacy**

This course prepares students to assume proactive leadership and advocate roles in professional music through a study of the relevant classic and current literature, especially as it relates to music and to the broader field of the arts in general. Students build on this knowledge to formulate techniques and strategies for leadership and music advocacy through the design of specific research or activist projects. This course assumes that the student has reached an advanced stage of study in the major field. Prerequisite(s): Enrollment open to music and music education majors with junior standing or above only.

**MUS 4341 - Summer Reading Chorus**

This course benefits the singers wanting to improve their sight-reading skills in practical situations. Prerequisite(s): Permission of instructor.

**MUS 4351 - Musical Theatre: Dance Styles IV**

This course is the study of musical theatre dance at an advanced level. Through the re-creation of audition combinations from famous Broadway musicals, students will be further challenged by increasing their ability to perform in an array of styles of Musical Theatre of styles of Musical Theatre Dance. Ballet, tap, jazz and other dance forms will be explored within original and re-invented choreographic works. Increased emphasis is placed on developing more advanced technique, performance quality and auditioning skills. This course may be taken two times for credit.

**MUS 4373 - Classical Era Music**

This course presents an intensive exploration of the music of the high classical era with special emphasis on its historical and social context and their influence on the music of the time. Students will participate actively through research and presentation of special topic areas, developing expertise in the historical and theoretical analysis of the repertoire and its primary sources. Prerequisite(s): Junior or senior standing.

**MUS 4383 - Baroque Music**

This course presents an intensive exploration of baroque music (1600-1750) with special emphasis on its historical and social context and their influence on the music of the time. Students will participate actively through research and presentation of special topic areas, developing expertise in the historical and theoretical analysis of the repertoire and its primary sources. Prerequisite(s): Junior or senior standing.

**MUS 4412 - German Singing Diction**

The purpose of this course is to present the sounds and symbols of the International Phonetic Alphabet and the application of those sounds and symbols as a tool in learning the correct pronunciation and rules in singing German vocal repertoire. It is designed for the career singer, the choral conductor, the teacher of singing and the coach/accompanist expected to perform, teach or conduct vocal literature in an academic or professional setting. Prerequisite(s): MUS 3312.

**MUS 4422 - French Singing Diction**

The purpose of this course is to present the sounds and symbols of the International Phonetic Alphabet and the application of those sounds and symbols as a tool in learning the correct pronunciation and rules in singing French Vocal repertoire. It is designed for the career singer, the choral conductor, the teacher of singing and the coach/accompanist expected to perform, teach, or conduct vocal literature in an academic or professional setting. Prerequisite(s): MUS 3312.

**MUS 4432 - Choral Arranging**

This advanced course in arranging will provide students with the skills necessary to arrange choral music. The course will cover proper voicing, vocal ranges, prosody, and vocal layering. Proper score setup and printing using computer notation software is expected from all students. Prerequisite(s): MUS 2593 and junior or senior standing. Enrollment open to music and music education majors only.

**MUS 4443 - Arts Management**

Arts Management will cover the following important career topics: resumes, media kits, web page development, branding, taxes and record keeping, legalities -- including contracts and copyright issues, networking, personal presentation (i.e. interviews and auditions), researching and recognizing career enhancing opportunities, and developing a career strategy.

**MUS 4451 - Advanced Choral Techniques**

This course is a continuation of MUS 3512 for choral conductors, stressing advanced techniques and notational systems in choral literature. Prerequisite(s): MUS 3512.

**MUS 4512 - Applied Jazz Composition**

Applied Jazz Composition gives the advanced student an opportunity to further develop techniques examined in Jazz Arranging, but emphasizes the creation of original material and the development of a unique voice as a composer in the jazz idiom. The course will also focus on the analysis of specific composers as it relates to the needs of each student. Projects will be assigned with the goal of producing a portfolio of original work to be performed and published. Prerequisite(s): MUS 3562 and MUS 3662. This course may be taken up to four times for credit.

**MUS 4523 - Acting For Music Theatre I**

This course covers the basic performance skills of the ensemble as it relates to opera, operetta, and musical comedy. It includes basic acting techniques, movement, and application of the Stanislavski system of acting to performance in music theatre.

**MUS 4531 - Advanced Musical Theatre Dance**

This course is the advanced study and practice of musical theatre dance. Through samplings of partnering and special skills dance combinations from the musical theatre repertoire, students will be challenged by increasing their ability to perform in an array of styles used in musical theatre dance. Ballet, tap, jazz and other dance forms will be explored within original and re-invented choreographic works. Emphasis is placed on advanced technique, performance quality and auditioning skills. The course may be taken two times for credit.

**MUS 4543 - Acting For Music Theatre II**

This course is the study and application of the Stanislavski system to music theatre repertoire. Prerequisite(s): MUS 4523 and written permission of instructor.

**MUS 4551 - Advanced Musical Theatre Dance II**

This course continues to build on the advanced study and practice of musical theatre dance. Through the creation of original choreography and advanced audition technique from the musical theatre repertoire, students will be further challenged by increasing their ability to work and perform in an array of styles used in musical theatre dance. Ballet, tap, jazz and other forms will be explored within original and re-invented choreographic works. Increased emphasis is placed on advanced technique, performance quality and auditioning skills. This course may be taken two times for credit.

**MUS 4582 - Advanced Aural Skills**

This advanced course offers the student a deeper study into the skills and techniques of sight singing and aural dictation. Students will examine high chromaticism, modal tonality, and some post-tonal practices, and will be introduced to elements of jazz harmony and popular music. This course also will train students with the skills of aural transcription of music from all eras and genres. Prerequisite(s): MUS 2161 and junior or senior standing. Enrollment open to music and music education majors only.

**MUS 4612 - Jazz Pedagogy**

This course is designed to teach techniques of instruction in the area of jazz education and performance. Prerequisite(s): MUSIC 2311, 2341.

**MUS 4622 - String Pedagogy**

The course will address methodological approaches to technical and musical aspects of string teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Enrolled in applied strings and senior standing.

**MUS 4662 - Guitar Pedagogy**

This course addresses the methodological approaches to technical and musical aspects of teaching guitar. Students will be introduced to instructional procedures, pedagogical techniques and teaching materials. Students will also participate in observation and supervised instruction of guitar students. Prerequisite(s): 8 hours of applied guitar. Junior standing or above.

**MUS 4672 - Wind & Percussion Pedagogy**

This course provides instruction in the development of a professional teaching studio for music performance majors. It also addresses methodological approaches to technical and musical aspects of wind and percussion teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Junior or senior standing.

**MUS 4682 - Singing for the Stage II**

This course is the advanced training of students to perform on stage as a classical singer and will include detailed training in acting and role preparation including those in languages other than English. Students will expand their knowledge of career planning and will study other relevant topics to being on stage, including but not limited to technical theater and historical and stylized stage movement. Students will apply these skills through preparation and performance of songs, scenes, and spoken monologues in English and foreign languages. Students will receive training in basic technical theater skills and help crew a staged production. Prerequisite(s): MUS 2562.

**MUS 4712 - Advanced Arranging: Winds/Percussion**

This advanced course will provide students with the skills necessary to create quality arrangements for wind ensemble with percussion. Students will learn proper voicing, layering, ranges and abilities of the groups of instruments in a modern wind symphony. Much time will be devoted to the notation and implementation of percussion instruments. Proper score setup and printing using computer notation software is expected from all students. Prerequisite(s): MUS 3162 and junior or senior standing. Enrollment open to music and music ed majors only.

**MUS 4722 - Collaborative Piano Literature**

This course gives students a deeper knowledge of the vast repertoire that exists in the realm of collaborative piano. The course is designed to survey both the standard repertoire as well as introduce more esoteric, yet substantial music. Instrumental and vocal solos and chamber works along with instrumental reductions of all periods will be discussed and analyzed within an historical and formal perspective. This course may be taken two times for credit.

**MUS 4732 - Advanced Analysis: Masterworks**

As a further study of structural form, this course is a culmination of all harmony and analysis study to date. Students will examine large-scale musical works that are considered standard orchestral and choral repertoire. Students will be presented with whole works, including symphonies, symphonic poems, concerti, and large choral works, from all eras of classical music. Analyses in this course will transcend more traditional models of form, being more of a study of form as a result of structural function. Students will present findings orally and through graphical/prose analysis. Prerequisite(s): MUS 3232 and junior or senior standing. Enrollment open to music and music ed majors only.

**MUS 4742 - Musical Theatre VII**

Musical Theatre VII further develops expertise of musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. This advanced course guides the emerging artist through an exploration of musical theatre technique in all areas. Through practical application, Musical Theatre VII presents the business aspects of musical theatre. This course may be taken two times for credit.

**MUS 4752 - Musical Theatre VIII**

Musical Theatre VIII addresses the student as an expert in his field, building on advanced technical and interpretive skills of the musical theatre. The course explores an advanced understanding of all aspects of the craft: singing, dancing, and acting. This course may be taken two times for credit.

**MUS 4763 - History of Instruments**

This course covers the history of keyboard, woodwind, brass, string and percussion instruments in their general and technical development,

considering them in the context of historical performance. It also makes reference to how development was affected by such issues as significant innovations in orchestration and tuning and temperament systems. Prerequisite(s): Junior or senior standing.

**MUS 4782 - Piano Pedagogy III**

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for intermediate level students in group and individual lessons. It is a continuation of study from Piano Pedagogy II. Prerequisite(s): MUS 3982 and MPER 3020. Senior standing. Concurrent enrollment in MUS 4000 Applied Piano Pedagogy is required.

**MUS 4793 - History of Performance**

This course surveys the development of western music from medieval to modern times from the perspective of music performance and its literature. Students will study such aspects of historical performance as rhythm, tempo, ornamentation, and improvisation as well as learn how to distinguish practices appropriate to specific historical periods. Students will also receive an introduction into the primary and secondary literature in the field and how to evaluate both it and issues of philosophy, aesthetics and authenticity.

**MUS 4832 - Piano Pedagogy IV**

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for second-year elementary and intermediate to advanced level students in group and individual lessons. This is a continuation of study from Piano Pedagogy III. Prerequisite(s): MUS 4782 and 4000. Senior standing. Concurrent enrollment in MUS 4000 Applied Piano Pedagogy and MUS 4841 are required.

**MUS 4841 - Piano Pedagogy Senior Project**

This course is the capstone course for piano pedagogy studies. It provides students opportunities to integrate and synthesize acquired knowledge and skills: 1) to present a public workshop on a chosen and approved piano pedagogy topic, and 2) to complete an application portfolio for National Certified Teacher of Music certification from the Music Teachers National Association. Prerequisite(s): MUS 4782 and MUS 4771 with senior standing. Concurrent enrollment in MUS 4832 and MUS 4821 is required.

**MUS 4882 - Crnt Trends in Piano Pedagogy**

This is a survey course on piano pedagogy. Current trends in piano pedagogy are applied in class discussions, presentations, and other assignments, including technology-assisted learning, teaching students with special needs or disabilities, Recreational Music Making (RMM) and other crucial issues in the field of piano teaching to all levels and ages.

**MUS 4891 - Music Research Capstone**

This course is the advanced study of research topics with the purpose of producing a thesis document or project focusing on one or more areas of inquiry. Students taking this course will work closely with an advisor to develop, research, and compose their thesis or project. This course is one of the capstone activities for students majoring in the Bachelor of Arts in Music and the Bachelor of Arts in Arts Administration. Prerequisite(s): Junior or senior standing.

**MUS 4900 - Practicum In Music**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MUS 4910 - Seminar In Music**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MUS 4920 - Workshop In Music**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**MUS 4930 - Individual Study In Music**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Written permission of department head required.

**MUS 4940 - Field Study In Music**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**MUS 4950 - Internship In Music**

Credit will vary from 1 to 8 hours. Written permission of department chairperson required.

**MUS 4960 - Institute In Music**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Written permission of department chairperson required.

**MUS 4970 - Study Tour In Music**

Credit will vary. Subject matter will vary within the department's field of study.

**NUTRITION (NTRN)****Department of Human Environmental Science****NTRN 1483 - Personal Nutrition**

This course is designed to increase your knowledge, strengths, and skills in self-awareness of nutrition habits, consumerism, weight control, fitness and disease prevention.

**NTRN 1513 - Introduction To Nutrition**

This course is a study of the aspects of nutrition in relation to physical development and health. The course focuses on the essentials of an adequate diet, functions of the nutrients and their requirement by different age groups. Credit may not be earned for both NTRN 1513 and NTRN 1483.

**NTRN 1613 - Principles Of Food Preparation**

This course includes techniques and theories of food preparation including use and selection of equipment, sanitation, and quality controls. Concurrent enrollment in NTRN 1613L is required.

**NTRN 1613L - Principles Of Food Preparation**

This laboratory is designed to accompany NTRN 1613.

**NTRN 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NTRN 2213 - World Foods And Culture**

This course is a study of culturally based foods and food habits of ethnic groups and the major effect on life styles.

**NTRN 2411 - Overview Of Dietetics**

This course is an overview of dietetics profession, various roles and employment opportunities, and the educational process required to become a dietitian.

**NTRN 2423 - Introduction To Clinical Nutrition**

Clinical nutrition is the study of nutrition as it applies to people with medical conditions that require specific dietary care. Prerequisite(s): NTRN 1483 or NTRN 1513. This course replaces NTRN 2423 Normal and Clinical Nutrition.

**NTRN 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**NTRN 3011 - Professional Development**

This course is designed to help the student examine and become familiar with the professional aspects of chosen fields of study and to develop qualities necessary for leadership in that field.

**NTRN 3131 - Food Safety And Sanitation**

This course includes the study of microbiology of food as it relates to the preventing of food borne illness, as well as a study of the facts underlying food safety; a prerequisite for senior level capstone experience. This course replaces NTRN 4131. Prerequisite(s): NTRN 1513 or Community Health (3100) majors, or PGM (2126) majors.

**NTRN 3633 - Life Span Nutrition**

This course includes the study of nutritional needs of individuals and families of all ages from conception through the senior adult years. This course replaces NTRN 4633. Prerequisite(s): NTRN 1483 or 1513 or FLE major.

**NTRN 3662 - Nutrition Of Children**

This course includes the study and application of nutrition principles applying to the feeding of children.

**NTRN 3723 - Nutrition Education**

This course provides the application of learning theory and media in the design, development and delivery of nutrition education and counseling programs for groups and individuals. Prerequisite(s): NTRN 1513.

**NTRN 3863 - Community Nutrition**

The focus of this course is to examine the role of the dietitian/nutritionist in identifying health and nutrition problems and integrating nutritional services with medical and social services within the community. Prerequisite(s): NTRN 1513.

**NTRN 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NTRN 4034 - Medical Nutrition Therapy**

This course includes the theory and application of medical nutrition therapy that integrates nutrition, biochemistry, physiology and pharmacology in the treatment of various diseases. This is a capstone course. This course replaces NTRN 4034 Clinical Nutrition. Prerequisite(s): NTRN 2423 with a minimum grade of "B", NTRN 4053 or concurrent, CHEM 3403 or concurrent, and BIO 2604.

**NTRN 4053 - Applications Of Nutritional Care**

This course includes the study of nutritional assessment and the procedures of nutritional care. Prerequisite(s): CHEM 3403 or concurrent enrollment in CHEM 3403, BIO 2604, (NTRN 2423 with a minimum grade of "B") and NTRN 4034 or concurrent enrollment in NTRN 4034.

**NTRN 4123 - Food Science And Laboratory**

Laboratory experiments are used to demonstrate the physical and chemical properties of foods with practical application to food preparation. Prerequisite(s): NTRN 1613, CHEM 1103 and 1112.

**NTRN 4123L - Food Science Laboratory**

The laboratory is designed to accompany NTRN 4123.

**NTRN 4394 - Advanced Nutrition**

This course focuses on the advanced study of normal nutrition which includes digestion, absorption and metabolism of all nutrients, with an emphasis on the latest nutrition research. Prerequisite(s): NTRN 4034, CHEM 3403, CHEM 4103 or concurrent, BIO 2604.

**NTRN 4412 - Societal Impact On Aging**

This course examines how changes in society impact the health and lifestyle of the older adult.

**NTRN 4422 - Nutrition Of The Older Adult**

This course is a study of the nutritional status and requirements of the older adult and their effects on health and quality of life.

**NTRN 4664 - Food & Beverage Management (small operations)**

This course includes the study of foods, production, equipment, preparation, sanitation, and service techniques in small commercial food facilities with emphasis on quality standards. The emphasis will be on food operations associated with golf course management. Prerequisite(s): NTRN 1613 and 1613L, MGMT 3103, MRKT 3013. Hepatitis A vaccination and a Servsafe Food Handlers Certificate are required.

**NTRN 4674 - Quantity Foods**

This course includes the study of foods, production, equipment, preparation, and service techniques in commercial food with emphasis on quality standards. Prerequisite(s): NTRN 1613, NTRN 3131 and concurrent enrollment in NTRN 4673L. Hepatitis A vaccination is required of all students enrolled in this class.

**NTRN 4674L - Quantity Foods Laboratory**

This lab is designed to accompany NTRN 4674.

**NTRN 4704 - Institutional Food Management**

This course includes the organization and administration of food systems. Emphasis is on physical facilities, financial control, and sanitation as well as safety. Prerequisite(s): NTRN 4674. Hepatitis A vaccination is required.

**NTRN 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NTRN 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NTRN 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**NTRN 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NTRN 4950 - Internship**

Credit will vary from 1 to 8 hours.

**NTRN 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**NTRN 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**NURSING (NURS)  
Department of Nursing**

**NURS 1221 - Introduction to Nursing**

This course is for students interested in the profession of nursing. Nursing past, present, and future is explored to understand the status of the profession today.

**NURS 2000 - Topics In Nursing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NURS 2113 - Individual/Family Development Through Lifespan**

This course focuses on knowledge synthesis of individual and family developmental theories and concepts through the lifespan. Students integrate theories and concepts of health promotion of individuals and families while conducting an in-depth study of developmental characteristics. Prerequisite(s): ENG 1113.

**NURS 2207 - Foundations of Nursing**

This course focuses on educating students regarding scientific principles to facilitate a person's adaptation to changes within his or her internal and external environments. Specific emphasis is on health assessment, use of the nursing process, and development and utilization of psychomotor skills in laboratory and clinical settings. Clinical emphasis is placed on utilization of health assessment skills and the nursing process with selected clients in a clinical setting. Prerequisite(s): BIO 2504 or FNRL 2214 and (BIO 2604 or concurrent enrollment). Concurrent enrollment in NURS 2207L is required. Admission to the Nursing program.

**NURS 2207L - Foundations of Nursing Laboratory**

This clinical and laboratory course is to accompany NURS 2207. Prerequisite(s): (BIO 2504 or FNRL 2214) and BIO 2604 or concurrent enrollment. Admission to the Nursing Program. Concurrent enrollment in NURS 2207 is required.

**NURS 3000 - Workshop In Nursing**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**NURS 3012 - Physical Assessment**

This course focuses on knowledge synthesis and utilization of scientific principles to assess man's internal and external environments. Specific emphasis is on assessment to determine the individual's position on the adaptation - maladaptation continuum. A laboratory component is included. Prerequisite(s): BIO 2504 or FNRL 1114/1114L. Concurrent enrollment in NURS 3012L is required. This course and NURS 2203 replace NURS 2214.

**NURS 3012L - Physical Assessment Laboratory**

This laboratory course is to accompany NURS 3012. Concurrent enrollment in NURS 3012 is required.

**NURS 3202 - Introduction To Pharmacology**

This course focuses on the study of basic pharmacology with an overview of the major drug classifications. Prerequisite(s): NURS 2207.

**NURS 3234 - Concepts in Nursing 1**

This course is designed to facilitate the transition of the licensed practical/vocational nurse (LPN/LVN) to the registered nurse (RN) role using selected concepts relevant to baccalaureate nursing practice. Emphasis in clinical simulations is on utilization of the nursing process with selected clients throughout the lifespan. Prerequisite(s): Junior or senior standing. Enrollment open to Nursing majors only.

**NURS 3244 - Concepts in Nursing 2**

This course is designed to facilitate the transition of the licensed practical/vocational nurse (LPN/LVN) to the registered nurse (RN) role using selected concepts relevant to baccalaureate nursing practice. This course is the second in a series and emphasizes care of maternity clients, neonates, pediatric clients, and geriatric clients in a variety of settings. Clinical and lab simulations focus activities on utilization of the nursing process in caring for selected clients throughout the lifespan. Prerequisite(s): NURS 3234 and junior or senior standing. Enrollment open to Nursing majors only.

**NURS 3307 - Adult Medical/Surgical Nursing I**

This course is an application of knowledge and utilization of the nursing process to facilitate the adaptation of adult clients in acute care clinical

settings. The course also includes a skills laboratory that focuses on the development of psychomotor and interpersonal skills. Prerequisite(s): NURS 2207/2207L. Concurrent enrollment in NURS 3307L is required.

#### **NURS 3307L - Adult Medical/Surgical Laboratory**

This clinical and laboratory course is to accompany NURS 3307. Prerequisite(s): NURS 2207/2207L. Concurrent enrollment in NURS 3307 is required.

#### **NURS 3314 - Maternal-Newborn Nursing**

This course focuses on knowledge synthesis and interventions facilitating mother's and infants' adaptation throughout the childbearing cycle. Clinical emphasis is placed on utilization of the nursing process with selected mothers and infants in a clinical setting. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3314L is required.

#### **NURS 3314L - Maternal-Newborn Laboratory**

This clinical laboratory course is to accompany NURS 3314. Contact hours are variable. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3314 is required.

#### **NURS 3324 - Pediatric/Child Health Nursing**

This course focuses on knowledge synthesis and intervention facilitating children's adaptation to health stressors. Clinical emphasis is placed on the utilization of the nursing process with selected children in a clinical setting. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3324L is required.

#### **NURS 3324L - Pediatric/Child Health Nursing Laboratory**

This clinical laboratory course is to accompany NURS 3324. Contact hours are variable. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3324 is required.

#### **NURS 3333 - Psychiatric Mental Health Nursing**

This course is an application of knowledge and utilization of the nursing process to facilitate the adaptation of clients experiencing alterations in mental health in a variety of clinical settings. Prerequisite(s): NURS 2207/2207L. Concurrent enrollment in NURS 3333L is required.

#### **NURS 3333L - Psychological/Mental Health Laboratory**

This clinical laboratory course is to accompany NURS 3333. Contact hours are variable. Prerequisite(s): NURS 2207/2207L. Concurrent enrollment in NURS 3333 is required.

#### **NURS 3344 - Adult Medical/Surgical Nursing II**

This course is an application of progressively complex concepts and a utilization of the nursing process to facilitate the adaptation of adult clients in acute care clinical settings. The course also includes a skills laboratory that focuses on the development of psychomotor and interpersonal skills. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3344L is required.

#### **NURS 3344L - Adult Medical/Surgical Nursing II Laboratory**

This clinical laboratory course is to accompany NURS 3344. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3344 is required.

#### **NURS 3413 - Pathophysiology**

This course is an introduction to the study of human physiologic function in disease processes and explores man's adaptation to change in his internal environment. Prerequisite(s): BIO 2504 or 2604 or FNRL 1114.

#### **NURS 3512 - Service Learning & Health Promotion**

This course focuses on application of health promotion principles utilizing service learning and applied research projects. Students work collaboratively with faculty in experiential learning environments which focus on the needs of selected groups. Prerequisite(s): Junior or senior standing. Enrollment open to Nursing majors only.

#### **NURS 3611 - Basic EKG Interpretation**

This course provides experience for upper level nursing students and practicing nurses to recognize, interpret, and treat basic cardiac dysrhythmias. A review of the anatomy and physiology of the cardiac system and relevant technology will be discussed. Prerequisite(s): NURS 3307 and junior or senior standing. Enrollment open to Nursing majors only.

#### **NURS 3990 - Advanced Topics In Nursing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **NURS 4134 - Community Health Nursing**

This course covers public health nursing theory focusing on populations and provides clinical experiences to apply theory to practice settings. Using the Socio-Ecological Framework, the course includes synthesis of theory, research, and practice in relation to public health. Community and health systems change are addressed through analysis and evaluation of populations. Community and systems level interventions are developed to maintain or promote bio-psycho-social health and to prevent injury and disease. Prerequisite(s): NURS 4146/4146L, and 4324/4324L. Concurrent enrollment in NURS 4134L is required.

#### **NURS 4134L - Community Health Laboratory**

This clinical laboratory course is to accompany NURS 4134. Prerequisite(s): NURS 4146/4146L, and 4324/4324L. Concurrent enrollment in NURS 4134 is required.

#### **NURS 4146 - High Acuity Nursing**

This course focuses on knowledge synthesis of increasingly complex concepts, and utilization of the nursing process, to facilitate adaptation of patients in high acuity and/or complex clinical settings, including critical care environments. Prerequisite(s): NURS 3314/3314L, 3324/3324L, and 3344/3344L. Concurrent enrollment in NURS 4146L is required.

#### **NURS 4146L - High Acuity Nursing Laboratory**

This clinical laboratory course is to accompany NURS 4146. Prerequisite(s): NURS 3314/3314L, 3324/3324L, and 3344/3344L. Concurrent enrollment in NURS 4146 is required.

#### **NURS 4153 - Nursing Research/Evidence Based Practice**

This course teaches the basic elements of the processes of research and evidence based practice. Prerequisite(s): STAT 3103 or ECON 2173 or PSY 2753 or SOC 4043 or ECON 2303 or STAT 2103.

#### **NURS 4324 - Care of Vulnerable Individuals**

This course covers community health, focusing on vulnerable individuals, families, and community groups. Using the determinants of health, the course includes synthesis of theory and research in relation to community-based and community-oriented nursing practice. Prerequisite(s): NURS 3314/3314L, 3324/3324L, 3344/3344L. Concurrent enrollment in NURS 4324L is required.

#### **NURS 4324L - Care Of Vulnerable Individuals Laboratory**

This clinical laboratory course is to accompany NURS 4324. Prerequisite(s): NURS 3314/3314L, 3324/3324L, 3344/3344L. Concurrent enrollment in NURS 4324 is required.

#### **NURS 4343 - Alterations in Health**

This online course provides the RN to BS student an overview and analysis of foundations in pathophysiologic processes and common health alterations that occur across the lifespan. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. The course focuses on assessment, nursing diagnosis, intervention, and evaluation of a number of pathophysiological conditions. Prerequisite(s): Senior or post-baccalaureate standing. Admission to the RN to BS Track. Enrollment open to Nursing majors only.



**NURS 4363 - Community & Systems Health Nrg**

This online course provides the RN to BS student an opportunity to explore community and public health nursing theory focusing on vulnerable populations, communities, and systems change. Using a socio-ecological framework, the course includes synthesis of theory, research, and practice in relation to community-based and community-oriented nursing practice, as well as public health practice. The course emphasizes use of analysis and evaluation at the systems level as strategies to improve health outcomes at the individual, family, and community levels. Opportunities to apply theory in a multitude of settings are provided in order to complete the required practice experiences for this course. Prerequisite(s): Senior or post-baccalaureate standing. Admission to the RN to BS Track. Enrollment open to Nursing majors only.

**NURS 4412 - Leadership/Management**

This course focuses on principles of nursing leadership/management within the scope of professional nursing practice. Prerequisite(s): NURS 4146, NURS 4324, NURS 4431. Concurrent enrollment in NURS 4412L is required.

**NURS 4443 - Civic Engagement in Health**

This online course provides the RN to BS student an opportunity to focus on the role of the nurse in civic engagement activities to promote health and wellness of vulnerable populations. Students will describe vulnerable patient populations, social determinants of health, and community healthcare agencies which focus on the needs of selected groups. Evidence-based practice/research is incorporated within the activities. Prerequisite(s): Senior or post-baccalaureate standing. Enrollment open to Nursing majors only. Admission to the RN to BS Track.

**NURS 4463 - Leadership for Career Adv**

This online course provides the RN to BS student an opportunity to explore the principles of leadership and management with a focus on the scope and standards of professional nursing practice. From discussion of the professional role to the incorporation of change and innovation and its application, the RN to BS students will explore foundational issues and essential understanding of the operational mechanics of healthcare systems within the professional nurse practice. Prerequisite(s): Senior or post baccalaureate standing. Admission to the RN to BS Track. Enrollment open to Nursing majors only.

**NURS 4613 - Role Development**

This online course familiarizes RN to BS students with the role of the nurse at the baccalaureate level and builds on knowledge and skills gained in previous nursing education. Evolving trends in healthcare and nursing practice are explored. Prerequisite(s): Enrollment open to Nursing majors only with senior standing. Admission to the RN to BS Track.

**NURS 4623 - Advanced Clinical Response**

This course provides the student an opportunity to demonstrate the use of critical reasoning, nursing judgement, leadership, and communication skills to assess, interpret, intervene, and evaluate nursing care for clients in a variety of settings. The student will be expected to describe early identification and prevention of adverse outcomes in a variety of settings. Course is designed for RN to BS Career Advancement Students. Prerequisite(s): Senior standing. Enrollment open to Nursing majors only.

**NURS 4722 - Pharmacology II**

This course will build on material related to pharmacology from previous courses. Emphasis is placed on pathophysiology of drug types by body systems. Prerequisite(s): NURS 3202 and senior standing. Enrollment open to Nursing majors only.

**NURS 4746 - Professional Nursing Leadership & Management**

In this course students synthesize information from nursing science and other disciplines applying principles of leadership and management within the scope and standards of professional nursing practice. A capstone project is included in this course. Clinical experiences facilitate the continuing development and application of critical thinking skills and

cares in the provision of evidence-based nursing practice in a variety of healthcare settings. Prerequisite(s): NURS 4146 and senior standing. Admission to the Nursing program. Enrollment open to nursing majors only. Concurrent enrollment in NURS 4676L is required.

**NURS 4746L - Prof Nursing Leadership Laboratory**

This clinical laboratory course is to accompany NURS 4746. Prerequisite(s): NURS 4146 and 4324 with senior standing. Concurrent enrollment in NURS 4746 is required.

**NURS 4821 - Preparing for Entry Into Practice**

This course focuses on activities to assist students preparing for the national licensing examination for registered nurses (NCLEX-RN) and career development. Completion of required standardized testing, development of a study plan to remediate weaknesses, interviews and resume preparation will be included in course activities. Prerequisite(s): Senior standing. Enrollment open to Nursing majors only.

**NURS 4873 - Capstone for Career Adv**

The online capstone course provides the RN to BS student an opportunity to apply, integrate, and demonstrate the knowledge and skills they have acquired during their career advancement nursing education. The student will be able to demonstrate the core competencies of the general education program of the university. The student's capstone experience will include designing a research or quality improvement project. Students will submit a scholarly writing piece and a verbal presentation regarding their capstone experience. Prerequisite(s): Senior or post-baccalaureate standing. Admission to the RN to BS Track. Enrollment open to Nursing majors only.

**NURS 4900 - Practicum In Nursing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NURS 4906 - Nurse External Program**

The subject matter for this course will vary within the department's field of study.

**NURS 4910 - Seminar In Nursing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NURS 4920 - Workshop In Nursing**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**NURS 4930 - Individual Studies In Nursing**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**NURS 4950 - Internship In Nursing**

Credit will vary from 1 to 8 hours.

**NURS 4960 - Institute In Nursing**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**NURS 4970 - Study Tour In Nursing**

Credit will vary. Subject matter will vary within the department's field of study.

**OCCUPATIONAL AND TECHNOLOGY EDUCATION  
(OCTE)**

**Department of Adult Education & Safety Sciences**

**OCTE 2000 - Topics In Vocational Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**OCTE 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**OCTE 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**OCTE 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**OCTE 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**OCTE 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**OCTE 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**OCTE 4950 - Internship**

Credit will vary from 1 to 8 hours.

**OCTE 4960 - Institute**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**OCTE 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**ORGANIZATIONAL LEADERSHIP (ORGL)  
Department of Adult Education & Safety Sciences**

**ORGL 2000 - Topics in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**ORGL 3000 - Workshop in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**ORGL 3113 - Foundations Of Organizational Leadership**

This course is an introduction to the Organizational Leadership Bachelor of Science program. Essential components will include: overview of program expectations; principles of adult learning; resources for success including library, campus, online resources and mentoring relationships; personal wellness/stress and time management techniques; study and test-taking skills; and basic computer skills for working in an online environment. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 3223 - Professional Communication**

This course is a study of communication in the workplace within a framework of organizational ethics. Essential components and course content include: listening; verbal and nonverbal communication; written expression; and professional presentation methods. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 3333 - Data Analysis And Interpretation**

This course will enable the student to develop an understanding of the application and interpretation of basic data analysis. Essential components and course content will include basic data analysis from a user perspective. Hands-on experience will enable students to utilize Excel to solve problems and interpret results. Prerequisite(s): ORGL 3113. Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 3443 - Survey of Fiscal Management**

This course is a managerial overview of fiscal management within organizations. Essential components and coursework content will include: understanding the components and articulation of financial statements; knowledge and application of financial ratios leading to an understanding of organizational performance across time and in comparison to industry standards; utilization of financial information in the acquisition of capital and budgeting decisions; and rudimentary understanding of cash flows. Prerequisite(s): ORGL 3113. Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 3990 - Advanced Topics**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

**ORGL 4113 - Ethics and Organizations**

This course is designed to examine the dynamics of workplace and personal ethics through the study of basic philosophical theories. Essential components and course content will include: leadership in the context of self-governance, responsibility adherence to principles, integrity and constancy of purpose. Current case studies will be used to apply ethical theories. Prerequisite(s): ORGL 3113. Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 4223 - Individuals, Organizations And Society**

This course is an examination of contemporary issues that affect organizations. Essential topics include environmental stewardship, social responsibility of the organization, effects and implications of globalization, the status of individual freedom within the organization, diversity, and the ramifications of technological change. Prerequisite(s): ORGL 3113. Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 4333 - Leading and Managing**

This course is a study of theories that influence leadership and management with application to a variety of work situations. Essential components and coursework content will include: basic leadership and behavior styles; negotiation; critical thinking; change; conflict resolution; ethics and social responsibility and diversity in the workplace. Assessment of personal leadership abilities and personality traits will be included. Prerequisite(s): ORGL 3113. Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 4443 - Markets and Stakeholders**

This course introduces the student to the concept of markets and stakeholders. Essential components and course content will include: an overview of competitive markets, buyer behavior, development of new markets and products, marketing communications, distribution channels, pricing and marketing mix strategies. It will include a discussion of external environmental factors and stakeholder analysis. Students will be able to evaluate market needs, select target markets and develop an appropriate market mix. Prerequisite(s): ORGL 3113. Enrollment is open to Organizational Leadership majors only with junior standing or above.

**ORGL 4553 - Capstone**

This course provides the student the opportunity to integrate concepts and theories covered in the core with their area of focus. Students will design and implement a capstone project related to their area of focus culminating in a written and oral presentation. This course must be

taken in the student's final enrollment period. Prerequisite(s): ORGL 4443, 4333, 4223, 4113, 3443, 3333, 3223, and 3113. Enrollment is open to Organizational Leadership majors only with senior standing or above. Instructor Permission Required.

#### **ORGL 4900 - Practicum in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4910 - Seminar in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **ORGL 4930 - Individual Study**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4940 - Field Study**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4950 - Internship in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4960 - Institute in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4970 - Study Tour in Organizational Leadership**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

#### **ORGL 4993 - Professional Internship**

This course is a supervised professional level assignment with an organization, firm, government agency, or not-for-profit entity within the selected area of focus. Prerequisite(s): ORGL 4443, 4333, 4223, 4113, 3443, 3333, 3223, 3113 and permission of instructor. Enrollment is open to Organizational Leadership majors only with junior standing or above.

### **PROFESSIONAL GOLF MANAGEMENT (PGM)**

#### **Department of Management**

#### **PGM 1222 - Introduction to PGA PGM**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Introduction to PGA PGM, PGA History and Constitution, Rules of Golf and Career Enhancement courses of the PGA PGM 3.0 Qualifying Level curriculum. Students will be prepared to test for knowledge of the PGA's computer based Qualifying Level exam. Department permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1231 - Current Topics in Golf**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to supplement material included in the PGA PGM 3.0 curriculum. Students will complete written assignments, participate in Growth of the Game activities, and attain enhanced knowledge in the areas of Tournament Operations, Teaching, Technology, Fitness and other relevant topics. Departmental permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1323 - Teach Golf & Player Devel I**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Teaching and Player Development 1 course of the PGA PGM 3.0 Level 1 curriculum. Students will complete PGM 3.0 Level 1 work experience activities and be prepared to test for knowledge on the PGA's computer based Teaching and Player Development 1 exam. Departmental permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1333 - Golf Facility Management I**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Facility Management 1 course of the PGA PGM 3.0 Level 1 curriculum. Students will complete PGM 3.0 Level 1 work experience activities and be prepared to test for knowledge on the PGA's computer based Facility Management 1 exam. Departmental permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1423 - Golf Facility Management II**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Facility Management 2 course of the PGA PGM 3.0 Level 2 curriculum. Students will complete PGM 3.0 Level 2 work experience activities and be prepared to test for knowledge on the PGA's computer based Facility Management 2 exam. Departmental permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1433 - Teach Golf & Player Devel II**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Teaching and Player Development 2 course of the PGA PGM 3.0 Level 2 curriculum. Students will complete PGM 3.0 Level 2 work experience activities and be prepared to test for knowledge on the PGA's computer based Teaching and Player Development 2 exam. Departmental permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1523 - Golf Facility Management III**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Facility Management 3 course of the PGA PGM 3.0 Level 3 curriculum. Students will complete PGM 3.0 Level 3 work experience activities and be prepared to test for knowledge on the PGA's computer based Facility Management 3 exam. Department permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 1533 - Teach Golf & Player Devel III**

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Teaching and Player Development 3 course of the PGA PGM 3.0 Level 3 curriculum. Students will complete PGM 3.0 Level 3 work experience activities and be prepared to test for knowledge on the PGA's computer based Teaching and Player Development 3 exam. Departmental permission required. Prerequisite(s): Enrollment open to PGA Golf Management majors only.

#### **PGM 2000 - Topics in PGM**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PGM 3000 - Workshop in PGM**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PGM 3990 - Advanced Topics in PGM**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**PGM 4900 - Practicum in PGM**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PGM 4910 - Seminar in PGM**

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**PGM 4920 - Workshop in PGM**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PGM 4930 - Individual Study in PGM**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PGM 4950 - Internship in PGM**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**PGM 4960 - Institute in PGM**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PGM 4970 - Study Tour in PGM**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHYSICAL EDUCATION (PHED)****Department of Kinesiology and Health Studies****PHED 1101 - Physical Education (Team Sports)**

Basic skills and competitive games in selected team sports. P.E. activity credit.

**PHED 1121 - Running Aerobics**

Aerobic walking/jogging/running program emphasizing development of cardiovascular fitness. P.E. activity credit.

**PHED 1141 - Bench Aerobics**

The course is designed to improve cardiovascular and muscular fitness through a program consisting of the knowledge and skills of continuous, patterned movements on bench steps. P.E. activity credit.

**PHED 1151 - Waterobics**

A course designed to promote cardiovascular fitness, muscular strength and endurance, and flexibility through participation in rhythmic water exercises. P.E. activity credit.

**PHED 1161 - Weight Training**

Instruction and participation in the use of free weights and various weight machines for the purpose of developing muscular strength and endurance. P.E. activity credit.

**PHED 1211 - In-line Skating**

The course will cover the fundamental instruction and active participation in in-line skating. Information will be useful for learning and refining the basic skills. P.E. activity credit.

**PHED 1221 - Hatha Yoga**

This introductory program is designed to enhance a student's physical, mental, and emotional health through the learning of hatha yoga techniques. P.E. activity credit.

**PHED 1231 - Walking Fitness**

This course is designed to examine fitness walking as an activity to improve health and fitness. Adopting exercise (walking) into a lifetime behavior is the main goal of the class. P.E. activity credit.

**PHED 1241 - Pilates**

This course will focus on techniques used to strengthen muscles, improve posture, balance, and flexibility in addition to training the mind and body to work together toward the goal of overall health/fitness.

**PHED 1251 - Introduction to Aikido**

This course introduces the student to the basic principles and practices of the martial art of Aikido (the way of harmony) that originated in Japan. Aikido is a self-defense system that uses evasion and redirection of the attacker's force. The course will focus on safety, stretching, movement, proper falling, and defending against grasps and strikes.

**PHED 1311 - Karate**

The course will focus on instruction and participation in the Tae Kwon Do form of karate. P.E. activity credit.

**PHED 1402 - Fitness Development & Assessment**

This course includes instruction and assessment in health related physical fitness development components and activities. Prerequisite(s): must be a major in Physical Education/Health (722), Exercise/Fitness Management (717) or Physical Education - Recreation Management (716).

**PHED 1432 - Techniques Of Teaching Skills/Activities I**

This course will include instruction in skills, techniques, rules, teaching, and assessment in individual, team sports and recreational activities appropriate to the teacher of physical education and the recreation specialist. Prerequisite(s): must be a major in Physical Education/Health or Physical Education - Recreation Management.

**PHED 1462 - Techniques Of Teaching Skills/Activities II**

This course will include instruction in skills, techniques, rules, teaching, and assessment in individual, team sports, and recreational activities appropriate to the teacher of physical education. Prerequisite(s): must be a Physical Education/Health major (3140).

**PHED 1492 - Techniques Of Teaching Skills/Activities III**

This course will include instruction in skills, techniques, rules, teaching, and assessment in individual, team sports and recreational activities appropriate to the teacher of physical education. Prerequisite(s): must be a major in Physical Education/Health (3140).

**PHED 1561 - Beginning Soccer & Volleyball**

The course will include instruction and practice in the beginning skills, strategies, and rules of soccer and volleyball. P.E. activity credit.

**PHED 1611 - Beginning Basketball & Softball**

Beginning skills, strategy, rules and game experience in basketball and softball. P.E. activity credit.

**PHED 1701 - Beginning Swimming**

The course will include beginning instruction in self-rescue and basic swimming skills. Students will receive the American Red Cross certification upon successful completion of the course. P.E. activity credit.

**PHED 1711 - Intermediate Swimming**

This course is designed to learn, utilize, improve, and review new strokes taught including diving, turns, underwater swimming, and life-saving assists. Students will receive the American Red Cross certification upon successful completion of the course. P.E. activity credit.

**PHED 1722 - Lifeguard Training**

This course will prepare lifeguards to prevent accidents, manage aquatic facilities, and lifeguard a variety of aquatic areas. Prerequisite(s): At least fifteen years old with intermediate level swimming skills (front and back crawl, side stroke, breast stroke, and ability to swim 500 yards continuously), and standard first aid (with C.P.R.) certification.

**PHED 1752 - Emergency Water Safety/Water Instruction**

This course will prepare individuals to teach swimming lessons and basic water safety courses. Prerequisite(s): At least 17 years old with swimmer level skills (front and back crawls, side stroke, breast stroke, inverted breast stroke, ability to swim 500 yards continuously).

**PHED 1761 - Beginning Tennis**

This course includes the basic skills of tennis, rules interpretation, and game play. P.E. activity credit.

**PHED 1771 - Intermediate Tennis**

The course will include instruction and practice for stroke improvement, game strategies, and match play. P.E. activity credit.

**PHED 1781 - Advanced Tennis**

Continuation of PHED 1771. P.E. activity credit.

**PHED 2000 - Topics In Physical Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHED 2013 - Introduction to Physical Education**

This course is designed to give the prospective teacher of physical education/health insight into this area of specialization. Included are the historical, philosophical, psychological, and sociological principles of health, physical education and recreation with a survey and application of leadership skills required for the profession, latest research, and literature in the field.

**PHED 2101 - Participation In Intercollegiate Sports**

Five days per week in season. Maximum credit, four hours. P.E. activity credit.

**PHED 2141 - Cross Country Track**

Participation in cross country track. P.E. activity credit.

**PHED 2301 - Beginning Bowling**

This course is an introductory class designed to teach students the basic skills of bowling. Instruction will include the basic skills, etiquette, scoring, and terminology of bowling. P.E. activity credit.

**PHED 2311 - Intermediate Bowling**

This course is a continuation of PHED 2301, Beginning Bowling. League play and advanced forms of competition will be emphasized. Prerequisite(s): PHED 2301, or participation in league competition. P.E. activity credit.

**PHED 2391 - Beginning Archery**

This course will provide instruction, practice, and knowledge of rules, terminology, and equipment usage necessary for successful archery target shooting. P.E. activity credit.

**PHED 2421 - Activities For Children With Disabilities**

Instruction and participation in various activities designed for use by persons with such physical conditions as mental retardation, emotional disturbance, learning disabilities, sensory deficits, orthopedic involvement, neurological disturbance, dietary and general fitness.

**PHED 2601 - Beginning Golf**

The course will provide basic instruction in skills, rules, and etiquette that are necessary for playing and understanding the game of golf. P.E. activity credit.

**PHED 2701 - Beginning Badminton**

Introduction and progression in the basic skills of badminton-serve, fore-hand and backhand clears, smashes, drop shots and net strokes. Basic singles and doubles strategy and rules. P.E. activity credit.

**PHED 2761 - Beginning Fencing**

Knowledge and skill development in the basic techniques of foil fencing. Basic rules and strategy with limited experience in bouting. P.E. activity credit.

**PHED 2771 - Intermediate Fencing**

Intermediate and advanced skills in foil fencing, and beginning techniques in sabre and epee fencing for men. Emphasis on strategy and rules with extensive bouting experience. P.E. activity credit.

**PHED 2792 - Rhythmic Movement for PK-12**

This course provides the study and practice of the basic locomotor movements. This will include the qualities, elements and rhythms used in movement education for elementary age children, and the basic skills, rhythms, elements and qualities of dance for secondary students. The course will also include elements of organizing, managing and implementing large scale dance programs. Prerequisite(s): Enrollment open to Physical Education/Health majors only.

**PHED 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PHED 3012 - Physical Education For Elementary Education Majors**

The purpose of this course is to provide the prospective elementary school teacher with information pertinent to the teaching and organizing of a sound, purposeful physical education curriculum. Prerequisite(s): Enrollment open to Elementary Education majors only with sophomore standing or above.

**PHED 3023 - Adapted Physical Education**

The purpose of this course is to develop competencies in the student for planning, developing, and implementing effective physical education programming for students with disabilities in grades K-12. In addition, information regarding specific disabling conditions will be disseminated to facilitate the student's understanding of disability, and how physical education can be used to ameliorate limitations within the student who has special needs. Prerequisite(s): Enrollment open to Physical Education/Health and Recreation Management majors only with junior or senior standing.

**PHED 3192 - Instructional Techniques for Movement**

The purpose of Instructional Techniques for Movement is to assist physical education teacher candidates in acquiring the fundamental knowledge and skills needed to promote learning for P-12 students. Opportunities will be provided for teacher candidates to learn and practice the essential skills of effective instruction. Instruction will be provided to assist teacher candidates in developing the skills of reflective thinking, problem solving, and working with individuals with different cultural perspectives. Prerequisite(s): PHED 1402, 1432 and 1462 with junior standing or above. Enrollment open to Physical Education/Health majors only.

**PHED 3303 - Physical Education In Elementary School**

This course will include an examination of the methods and materials necessary for instructing, planning and managing a developmental physical education program in the elementary school. Prerequisite(s): Enrollment open to Physical Education/Health majors only with junior or senior standing.

**PHED 3333 - Mechanical Principles/Analysis Of Movement**

This course will provide a study of the application of the physical laws of motion in an analysis of musculoskeletal action. Emphasis will be

placed on the relevancy of the anatomical basis as the focal point for mechanical concepts. Prerequisite(s): HLTH 3222 or 3223 or BIO 2504 or FNRL 2214.

### **PHED 3503 - Physiology Of Exercise**

The course will examine the physiological effects of exercise, the responses and adaptations of body systems to exercise, the essentials of an adequate diet, and the function of nutrients in exercise. Prerequisite(s): HLTH 3222 or 3223 or BIO 2504 or FNRL 2214.

### **PHED 3522 - Fitness Applications for Physical Education**

This course is designed to provide teacher candidates with the knowledge and skills used to effectively evaluate students in relation to nutrition, obesity, and other health indicators. A key focus of this course will be to implement innovative assessment and teaching techniques into the classroom setting that will focus on these specific areas of lifetime wellness. Prerequisite(s): PHED 2012.

### **PHED 3533 - Measurement-Evaluation In Health And Physical Education**

The focus of this course is on the development of evaluation and measurement skills used by teachers and administrators of physical education. A major emphasis is placed on interpreting descriptive statistics, and developing test construction techniques. Students are given many opportunities to administer physical performance tests and to acquire knowledge about different grading techniques.

### **PHED 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **PHED 4103 - Theory Of Coaching Football**

This course will cover various theories, methods and mechanics of coaching football, including consideration of fundamentals, rules, individual and team play, offensive and defensive formations and game strategy. Examples of practice and team organization, seasonal planning, staff organization and special teams will be explored.

### **PHED 4113 - Coaching Volleyball & Softball**

A study of the organization and administration of coaching techniques in the sports of volleyball and softball including teaching and correctional procedures of the basic skills of the games, offensive and defensive strategies, interpretation of rules, and philosophical approaches to coaching the sports for both sexes at all age levels.

### **PHED 4122 - Theory Of Coaching Baseball**

A study of the material considered essential to the successful coaching of the sport of baseball including a knowledge of the game itself, the various skills and techniques used, the game strategy, and the rules; and appreciation of baseball's place in the athletic program and the education system and the coach's responsibility to those programs; and an understanding of coaching staff organization, planning and duties.

### **PHED 4132 - Coaching Track & Field**

A study of the fundamental conditioning, rules, objectives, specific skills, and training methods for track and field events including short and long distance running events, long jump, high jump, hurdling, pole vault, discus, shot and javelin.

### **PHED 4143 - Theory Of Coaching Basketball**

This course is designed to provide prospective athletic coaches with a knowledge and skill introduction regarding the game of basketball. Emphasis is placed on organizational/management skills, coach/player relations, basketball rules/terminology, fundamental skills, team offensive/defense, situational strategies, scouting, conditioning of players, and court maintenance.

### **PHED 4152 - Theory Of Coaching Wrestling**

A course of study designed to develop the competencies essential to the successful coaching of wrestling. The focus is on conditioning/training

activities, coaching techniques, competition strategies, equipment selection and modern coaching theories specific to the sport of wrestling.

### **PHED 4162 - Theory Of Coaching Soccer**

A course of study designed to develop the competencies essential to the successful coaching of soccer. The focus is on conditioning/training activities, coaching techniques, competition strategies, equipment selection and modern coaching theories specific to the sport of soccer.

### **PHED 4202 - Theory Of Athletic Coaching**

The course addresses the differences in levels of competitive sports, the personal roles that coaches should exhibit, the professional roles expected and the organizational influences on the world of a coach.

### **PHED 4212 - Officiating Football & Baseball**

A study of the knowledge, skills, and techniques necessary to become a competent official in football and baseball including: rules interpretation, mechanics of officiating, pregame, game, and postgame procedures; purchase, care and official specifications of equipment needed for playing.

### **PHED 4232 - Organization & Administration Of High School Athletics**

A study of the problems involved in the direction of high school athletics.

### **PHED 4303 - Methods For Teaching Physical Education In Secondary Schools**

The purpose of this course is to provide the teacher candidate with the knowledge and experience necessary to apply proper disciplinary and pedagogical knowledge to the act of teaching. A variety of teaching styles and models will be explored in addition to administrative duties and responsibilities of the physical education teacher at the secondary level. Prerequisite(s): PHED 3303, PHED 3522 and PHED 3192; admission to Teacher Education program. Enrollment open to Physical Education/Health majors only.

### **PHED 4402 - Organization & Administration Of Health And Physical Education**

A study of the organization and administration of physical education programs for the public schools.

### **PHED 4442 - Motor Learning**

A study of the relationship of organismic and situational factors to the acquisition and performance of movement behaviors including generalized patterns and highly specific skills of sports and dance activities. The course deals with how persons learn movement skills; the interaction of cognitive, affective and psychomotor learning domains; application of learning theories to the skills of physical education and athletics. Prerequisite(s): HLTH 3223 & PHED 3333.

### **PHED 4533 - Motor Learning and Development**

A study and practice of fundamental motor patterns within the context of development theory along with a study of the relationship of organismic and situational factors to the acquisition and performance of movement behaviors. The course deals with how persons learn movement skills; the interaction of cognitive, affective, and psychomotor learning domains; interaction and analysis of constraints in learning motor skills; application of learning theories to the skills of physical education and athletics; analysis of and progression involved in teaching motor skills. Prerequisite(s): HLTH 3223 and PHED 3333.

### **PHED 4712 - Psychology Of Sport**

A study of the psychological factors affecting performance in sport from both the participant's and spectator's points of view.

### **PHED 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHED 4910 - Seminar In Physical Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHED 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PHED 4930 - Individual Study**

Credit varies from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans; conferences, oral and written reports. Prerequisite(s): Written permission of department chairman.

**PHED 4950 - Internship**

Credit will vary from 1 to 8 hours.

**PHED 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**PHED 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**PHILOSOPHY (PHIL)****Department of Humanities & Philosophy****PHIL 1103 - Logic And Critical Thinking**

Consideration is given to the requirements of correct reasoning with special emphasis on informal fallacies, syllogistic forms, and the analysis of extended arguments.

**PHIL 1113 - Introduction To Philosophy**

This course is a general introduction to the major areas of philosophical study. Students will be provided with the opportunity to begin their own critical analysis of their philosophical beliefs.

**PHIL 1123 - Contemporary Moral Problems**

The course requires the student to engage in reflective thought about moral problems chiefly by introducing them to basic issues in moral philosophy by means of readings from the past and present.

**PHIL 2000 - Topics In Philosophy**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHIL 2073 - Social & Political Philosophy**

This course introduces the student to the major theories of social justice and their implications for selected areas of public policy. Attention will be given to theories of natural law, social contract, and a variety of philosophical problems.

**PHIL 2153 - Ancient Philosophy**

Ancient Philosophy is a survey of the history of Western philosophy from its beginnings to the end of the ancient period. Particular emphasis will be placed on the contributions of the Greeks to the core areas of philosophy. Prerequisite(s): ENG 1113 and 3 hours of philosophy.

**PHIL 2173 - Medieval Philosophy**

Medieval Philosophy is a survey of the history of philosophy in the West from the end of the ancient period until the Renaissance. Prerequisite(s): ENG 1113 and 3 hours of philosophy.

**PHIL 2313 - Engineering Ethics**

Engineering Ethics examines ethical dilemmas that arise for engineering professionals. The course focuses on current and emerging issues in engineering, applying ethical theory to those issues to lend structure and critical distance to the discussion.

**PHIL 3000 - Workshop In Philosophy**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PHIL 3013 - Philosophy of Law**

Philosophy of Law is a study of historical and contemporary approaches to primary issues in the philosophy of law. Some of the positions studied in this course typically include legal positivism, legal absolutism, legal relativism, legal realism, and natural law. Some of the primary issues that are typically covered are the foundations of law, definitions of law, the relationship between law and ethics, legal reasoning, justice, liability, etc. Prerequisite(s): ENG 1213 and 6 hours of philosophy.

**PHIL 3103 - Ethical Theory**

Examines the major systems of ethical thought. It will attempt to state and evaluate various principles for dealing with ethical problems. Prerequisite(s): 3 hours of philosophy.

**PHIL 3123 - Aesthetics**

Essentially a "philosophy of art", the course will inquire into the nature of the aesthetic experience, theories of taste, the ontic status of aesthetic value, and it will investigate the legitimacy of various criteria used in criticism of the arts. Prerequisite(s): Junior or senior standing.

**PHIL 3133 - Modern Philosophy**

Modern philosophy is a survey of the western world from the Renaissance to Kant. Particular attention is paid to the development of rationalism and empiricism. Prerequisite(s): 6 hours of philosophy.

**PHIL 3143 - Philosophy Of Religion**

The focus of the course is on contemporary philosophical problems in religious thought. Among the issues to be treated are: survival of religion in the 20th century; God and history; theism vs. humanism; the problems of religious language; and atheism vs. a new theism. Prerequisite(s): 3 hours of philosophy.

**PHIL 3153 - American Philosophic Thought**

American Philosophic Thought is a study of the major philosophical movements which have originated within the United States. Special emphasis is placed upon the development of pragmatism. Prerequisite(s): 6 hours of philosophy.

**PHIL 3163 - Contemporary Philosophy**

Contemporary Philosophy examines the major philosophers and philosophical movements of the twentieth and twenty-first centuries. Prerequisite(s): 3 hours of philosophy.

**PHIL 3173 - Nineteenth Century Philosophy**

Nineteenth Century Philosophy is a survey of the major figures and movements in philosophy from the time of Kant until that of Nietzsche. Particular attention is devoted to Idealism, Utilitarianism, Positivism, and Marxism. Prerequisite(s): 3 hours of Philosophy.

**PHIL 3203 - Philosophy Of Emotion**

Philosophy of Emotion enables students to reflect on and critically evaluate different concepts, theories, and analyses of emotion, from the time of Aristotle to the present. Special attention will be given to current philosophical debates. Prerequisite(s): 3 hours of philosophy.

**PHIL 3213 - Inductive Reasoning**

An inquiry into such matters as probability, casual relationships, methods in formulating and verifying hypotheses, and related issues in inductive reasoning and investigation. Prerequisite(s): 3 hours of philosophy.

**PHIL 3223 - Criminal Justice Ethics**

This course is an examination of ethical dilemmas which arise for criminal justice professionals. Prerequisite(s): Junior or senior standing.

**PHIL 3233 - Philosophy of Games**

Philosophy of Games provides an overview of the ideas of several major western philosophers about the fundamental nature of games and the significance of gameplay to human life. Students will also be introduced to the basic concepts of game theory and some of its uses in economics, political theory, and ethics. Prerequisite(s): Three hours of philosophy and sophomore standing or above.

**PHIL 3303 - Metaphysics**

This course is an examination of classic and contemporary metaphysics, including the nature of universals, identity, realism/antirealism, mild, causation, freedom and determinism, the nature of time, plus other topics to be determined by the instructor. Prerequisite(s): 6 hours of philosophy.

**PHIL 3323 - Philosophy of Music**

Philosophy of Music will be an overview of fundamental philosophical questions about the nature of music and our responses to music. The most important areas of speculation and an understanding of some of the most significant proposed answers to long-standing questions will be addressed. Prerequisite(s): 3 hours of Philosophy.

**PHIL 3403 - Theory Of Knowledge**

This course provides an overview of contemporary epistemology. Epistemology inquires into the nature of knowledge and the justification of belief. Topics to be covered include skepticism, perception, and priori knowledge, the foundationalism-coheretism debate, and the internalism-externalism controversy. Prerequisite(s): 3 hours of philosophy.

**PHIL 3423 - Capitalism and Human Values**

Capitalism and Human Values is an examination of the history of the evolution of a market economy and the theories created to explain how a capitalist society works. It will focus on the search for order and meaning in such social history while considering its impact upon individuals within society and the central values to which they attach importance. Prerequisite(s): Junior or senior standing.

**PHIL 3513 - Biomedical Ethics**

An investigation of the ethical issues associated with the practice of medicine and the pursuit of medical research. Professional codes, euthanasia, confidentiality, and experimentation with human subjects are discussed. Prerequisite(s): Junior or senior standing.

**PHIL 3533 - Dying And Death**

The course inquires into a variety of topics centrally related to death and dying as unavoidable aspects of the human condition. Attention is also given to questions of human value and meaning that arise from our attitudes and treatment of the dying as well as funeral customs and care for the "survivors" of another's death. Prerequisite(s): Junior or senior standing.

**PHIL 3883 - Philosophy Of Mind**

This course is a study of representative classic and contemporary topics in philosophy of mind, such as the mind-body problem, varieties of dualism and materialism, epiphenomenalism, behaviorism and other forms of reductionism, as well as lasting puzzles about the mind pertaining to intentionality, artificial intelligence, qualia, and subjectivity. Prerequisite(s): 6 hours of philosophy.

**PHIL 3990 - Advanced Topics In Philosophy**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHIL 4163 - Philosophy Of Science**

Pursues the philosophical implications of various principles and ideas in the sciences, and raises critical questions regarding assumption, hypothesis, and scientific method. Prerequisite(s): 6 hours of philosophy.

**PHIL 4183 - Philosophical Issues In Social Science**

An in-depth discussion of specific philosophical issues in some area of the social sciences such as the nature of psychological explanation or the

covering law model of historical explanations. Specific topics may be changed, but the course will always spend the first half of the semester on the question of the science in social science. Prerequisite(s): 6 hours of philosophy.

**PHIL 4203 - Women And Values**

This course focuses on philosophical and SOC-cultural perspectives on women and women's issues from the time of Plato to the present. Issues will be addressed from a standpoint that incorporates applied ethical analysis of justice, rights, and equality as these items have concerned women. Prerequisite(s): 3 hours of philosophy.

**PHIL 4213 - Philosophy Of Fiction**

This course familiarizes students with issues in the philosophy of literature (and, more broadly, fiction), including reader/viewer response, interpretation, evaluation, and the question of moral significance. Prerequisite(s): 6 hours of philosophy.

**PHIL 4233 - Philosophy of Language**

Philosophy of Language is a study of contemporary issues in the discipline, including the nature of truth and reference, the distinction between analytic and synthetic propositions, the verification principle, the epistemic status of linguistic knowledge, and the plausibility of skepticism about meaning and interpretation. Prerequisite(s): ENG 1213, six hours of philosophy and sophomore standing or above.

**PHIL 4243 - Philosophy and Humanism**

Philosophy and Humanism is a survey of philosophical ideas from throughout the western tradition about humanity's place in the cosmos and the value and uniqueness of human nature, with special focus on the development of the humanistic scholarly tradition from the early Renaissance to the 21st century. Prerequisite(s): 3 hours of Philosophy and junior or senior standing.

**PHIL 4323 - Rights and Reproduction**

Rights and Reproduction familiarizes students with current philosophical material in ethics and philosophy of law addressing the abortion controversy, other issues of maternal/fetal conflicts of rights, and the ways in which individual rights are affected by legislation addressing such matters. Prerequisite(s): 3 hours of PHIL and junior or senior standing.

**PHIL 4503 - Symbolic Logic**

The course will begin with the logic of syntax, followed by an analysis of truth-functional compound statements and truth tables. A variety of proof procedures applicable to deductive arguments will be investigated and used, including formal and indirect proofs. Propositional functions and the use of quantifiers, the logic of relations, and finally, a study of the nature of deductive systems will complete the course.

**PHIL 4513 - Philosophical Writing**

Philosophical Writing is a capstone course for the philosophy major. In the course, majors will bring together the philosophical skills they have learned in their previous courses and apply them to a series of deeply intellectual problems. Prerequisite(s): Enrollment is open to Philosophy majors with senior standing.

**PHIL 4900 - Practicum In Philosophy**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHIL 4910 - Seminar In Philosophy**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHIL 4920 - Workshop In Philosophy**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.



**PHIL 4930 - Individual Study In Philosophy**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PHIL 4940 - Field Study In Philosophy**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**PHIL 4950 - Internship In Philosophy**

Credit will vary from 1 to 8 hours.

**PHIL 4960 - Institute In Philosophy**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**PHIL 4970 - Study Tour In Philosophy**

Credit will vary. Subject matter will vary within the department's field of study.

**PHYSICS (PHY)****Department of Engineering and Physics****PHY 1003 - Introduction To Physics**

This is a survey course in the fundamentals of mechanics, thermodynamics, electricity, magnetism, sound and optics for students who desire a one semester course in physics. The course is not in the physics major sequence. Prerequisite(s): 2 years of high school algebra.

**PHY 1011 - University Physical Science Laboratory**

This laboratory accompanies University Physical Science.

**PHY 1014 - University Physical Science**

This lecture-demonstration course is designed to assist students to interpret their physical environment through the study of important topics in astronomy, chemistry, geology, physics. The course is not acceptable for the Engineering Physics major or minor and is not designed for the teaching certificate. Credit may not be earned for both PHY 1014 and PHY 1024.

**PHY 1024 - University Physical Science w/Laboratory**

This lecture-laboratory course is designed to assist students to interpret their physical environment through the study of important topics in astronomy, chemistry, geology, and physics. The course is not acceptable for the Engineering Physics major or minor and is not designed for the teaching certificate. Credit may not be earned for both PHY 1014 and PHY 1024. PHY 1024L must be taken concurrently.

**PHY 1024L - University Physical Science Laboratory**

This laboratory accompanies University Physical Science, PHY 1024.

**PHY 1101 - General Physics I Laboratory**

This laboratory accompanies PHY 1113 and includes selected experiments in mechanics, waves, heat, and thermodynamics. Prerequisite(s): MATH 1593, PHY 1113 or concurrent enrollment in PHY 1113. This course will be replaced by PHY 1114L.

**PHY 1114 - General Physics I & Laboratory**

This course is the first in a two-semester introduction to physics. This course covers the fundamentals of mechanics, waves, heat, and thermodynamics. Laboratory experience is a principal component of this course. Prerequisite(s): MATH 1593 and concurrent enrollment in PHY 1114L.

**PHY 1114L - General Physics I Laboratory**

This is the laboratory to accompany PHY 1114. Prerequisite(s): MATH 1593 and concurrent enrollment in PHY 1114.

**PHY 1201 - General Physics II Laboratory**

This laboratory accompanies PHY 1213 and includes selected physics experiments in electricity, magnetism, and optics. Prerequisite(s):

PHY 1213 or concurrent enrollment in PHY 1213. This course will be replaced by PHY 1214L.

**PHY 1214 - General Physics II & Laboratory**

This course is the second in a two-semester introduction to physics. The course covers the fundamentals of electricity, magnetism, electromagnetic waves and optics. Laboratory experience is a principal component of this course. Prerequisite(s): PHY 1114 & 1114L and concurrent enrollment in PHY 1214L.

**PHY 1214L - General Physics II Laboratory**

This course is a laboratory to accompany PHY 1214. Prerequisite(s): PHY 1114, 1114L and concurrent enrollment in PHY 1214.

**PHY 1304 - Descriptive Astronomy**

Descriptive Astronomy is a beginning course in astronomy. Included are topics such as historical astronomy, laws of motion, gravitation, the nature of light, stars, H-R diagrams, galaxies, the solar system, and cosmology with emphasis on why we believe what we think we know about the universe.

**PHY 2000 - Topics In Physics**

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

**PHY 2014 - Physics For Science & Engineering I & Laboratory**

This course is the first in a two-semester calculus-based introduction to physics, and covers the fundamentals of mechanics, waves, heat, and thermodynamics. Laboratory experience is a principal component of this course. Prerequisite(s): MATH 2323 or concurrent enrollment in MATH 2323. Concurrent enrollment in PHY 2014L and PHY 2014D are required.

**PHY 2014D - Physics for Science & Engineering I Drill**

This drill session accompanies PHY 2014 and provides directed problem solving in mechanics, waves, heat, and thermodynamics. Prerequisite(s): Concurrent enrollment in PHY 2014 is required.

**PHY 2014L - Physics For Science & Engineering I Laboratory**

This laboratory course accompanies PHY 2014 and provides experiments in mechanics, waves, heat, and thermodynamics. Concurrent enrollment in PHY 2014 is required.

**PHY 2114 - Physics For Science & Engineering II & Laboratory**

This course is the second in a two-semester calculus-based introduction to physics, and covers the fundamentals of electricity, magnetism, and optics. Laboratory experience is a principal component of this course. Prerequisite(s): PHY 2014, MATH 2333 or concurrent enrollment in MATH 2333. Concurrent enrollment in PHY 2114L and PHY 2114D are required.

**PHY 2114D - Physics for Science & Engineering II Drill**

This drill session accompanies PHY 2114 and provides directed problem solving in electricity, magnetism, and optics. Prerequisite(s): Concurrent enrollment in PHY 2114 is required.

**PHY 2114L - Physics For Science & Engineering II Laboratory**

This laboratory course accompanies PHY 2114 and provides experiments in electricity, magnetism, and optics. Concurrent enrollment in PHY 2114 is required.

**PHY 3000 - Workshop In Physics**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PHY 3014 - Earth Science**

Earth science is a lecture course emphasizing the new geology with the theory of plate tectonics as the central theme in the explanation of the

traditional topics of the earth sciences. Prerequisite(s): PHY 1014 or PHY 1024 or a course in physics or chemistry.

### **PHY 3044 - Medical Physics And Laboratory**

The application of physics to the field of medicine is presented. Topics covered will include mechanics of anatomical structure, optics of the eye, acoustics of hearing, electromagnetism and neurology, fluid flow within the heart and circulatory system, applications of radiation to medical diagnosis and therapy, and radiation safety. Concurrent enrollment in PHY 3044L is required. Prerequisite(s): PHY 1214 (previously 1213 & 1201).

### **PHY 3044L - Medical Physics Laboratory**

This is a laboratory that accompanies PHY 3044.

### **PHY 3054 - Introduction To Modern Physics & Laboratory**

This course provides an introduction to areas in physics beyond those covered in General Physics I and II focusing primarily on the fields of relativity and quantum theory. Topics in relativity include aspects of the special theory and an introduction to space-time curvature and black holes. Topics in quantum theory include atoms, molecules, solids, nuclei, elementary particles and radioactivity. A laboratory experience is a principal component of this course. The course is not intended for students majoring in Physics or Engineering. Prerequisite(s): PHY 1214. Concurrent enrollment in PHY 3054L is required.

### **PHY 3054L - Introduction To Modern Physics Laboratory**

This course comprises the laboratory component of PHY 3054. Concurrent enrollment in PHY 3054 is required.

### **PHY 3103 - Modern Physics**

This course presents an introduction to topics in physics which have developed primarily since about 1900. These topics include special relativity, quantum mechanics, and the physics of atoms, molecules, solids, and nuclei. Prerequisite(s): PHY 2114 with a minimum grade of "C" and MATH 3103 or concurrent enrollment in MATH 3103.

### **PHY 3503 - Elementary Meteorology**

The elements and principles of meteorology as related to weather are presented. The course employs the principles of physics for the interpretation of weather along with charts, instruments, etc., for weather observation and forecast. Prerequisite(s): GENS 1104 or 1204 or PHY 1114 (previously 1113 and 1101).

### **PHY 3883 - Mathematical Physics I**

This course applies higher-level mathematics to problems in physics and engineering. Applications of vector analysis, multivariable calculus, matrix algebra, complex numbers, Fourier series, and differential equations are presented. Prerequisite(s): PHY 2114 and MATH 2343.

### **PHY 3990 - Advanced Topics In Physics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **PHY 4003 - Mathematical Physics II**

A continuation of PHY 3883, this course discusses in more depth the mathematical preparation required for solutions to boundary value problems found in electrostatics, mechanics, heat transfer, quantum mechanics, and acoustics. The mathematical topics may include curvilinear coordinates, Fourier analysis, Fourier transforms, partial differential equations, Green's functions, and excursions into tensor analysis, and group theory. Prerequisite(s): PHY 3883 and MATH 3103.

### **PHY 4101 - Nuclear Radiation Laboratory**

The equipment and techniques of nuclear radiation detection and measurement are presented. Radiation experiments basic to radioisotope chemistry, radiation biology, nuclear medicine, and health physics are emphasized. This course is designed for students in chemistry, biology, and medicine, as well as those in engineering and physics. Prerequisite(s): PHY 3103 or concurrent enrollment.

### **PHY 4163 - Analytical Mechanics**

This course provides an introduction to particle dynamics in one, two, and three dimensions. Analytic and numerical problem solving techniques are applied to the study of time - and velocity-dependent forces, harmonic oscillators, oscillating systems, and central forces. Prerequisite(s): PHY 3883 with a minimum grade of "C".

### **PHY 4173 - Classical Mechanics**

In this course variational formulations of mechanics including Lagrangian and Hamiltonian methods will be introduced and applied to classical systems. Topics covered will include small oscillations and normal modes, rotation of rigid bodies, non-inertial reference frames, Poisson brackets, Kepler problem and scattering theory. Prerequisite(s): PHY 4163.

### **PHY 4203 - Quantum Mechanics**

A rigorous introduction to the fundamental theory and calculation techniques of quantum mechanics is presented. The Schrodinger wave equation formulation will be emphasized and used to solve the harmonic oscillator, hydrogen atom, quantum well, and other potentials. Prerequisite(s): PHY 3103 and nine additional hours of Physics 3000 level or above, and MATH 3103.

### **PHY 4303 - Nuclear Physics**

An introduction to the physics of the nucleus and elementary particles is presented. Basic models of nuclear structure, nuclear interactions, and nuclear reactions will be emphasized. The families of elementary particles and their interactions along with the quark model will be introduced. Prerequisite(s): 9 hours above PHY 2114.

### **PHY 4403 - Solid State Physics**

The purpose of this course is to acquaint the students with the fundamental physics of solids. Emphasis is placed on crystal lattices, elastic scattering of waves, bonding, atomic vibrations, electron states, dielectric and optical properties, and semiconductors. Prerequisite(s): 9 hours above PHY 2114.

### **PHY 4801 - Physics Capstone**

This course provides a capstone experience in physics. Students will complete a number of projects designed to integrate the sum of their physics knowledge. Prerequisite(s): Written permission required.

### **PHY 4900 - Practicum In Physics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **PHY 4910 - Seminar In Physics**

Credit will vary from 1 to 4 hours. Advanced semi-independent study of selected problems from one of the various fields of physics. May be repeated for credit to a total of 4 hours. Emphasized for students planning graduate study.

### **PHY 4920 - Workshop In Physics**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **PHY 4930 - Individual Study In Physics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **PHY 4950 - Internship In Physics**

Credit will vary from 1 to 8 hours.

### **PHY 4960 - Institute In Physics**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **PHY 4970 - Study Tour In Physics**

Credit will vary. Subject matter will vary within the department's field of study.

**POLITICAL SCIENCE (POL)**  
**Department of Political Science**

**POL 1113 - American National Government**

An introductory analysis of the origin, structure, and functions of the United States national government.

**POL 1203 - State And Local Government**

This course is an introductory study of the governmental system and political environment of the American state and its subdivisions with emphasis on Oklahoma state government.

**POL 1303 - Contemporary Political Issues**

This course is a study of significant contemporary political issues emphasizing events occurring at the time the course is offered.

**POL 2000 - Topics In Political Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**POL 2013 - Political Science Statistics**

Political Science Statistics provides a basic introduction into microcomputer-based applications and methodological techniques relevant to political science. No prior knowledge of computing or statistics is required.

**POL 2103 - Elements Of Political Science**

This course is an analysis of fundamental political concepts and issues, such as sovereignty, freedom, and law; and an introduction to political science literature and elementary research methods.

**POL 2203 - Introduction To Law**

This course is a study of the development of law in western civilization, with emphasis on the Anglo-American legal system.

**POL 2213 - Campaigns And Elections**

This course analyzes the theory and reality of election campaigns, with an emphasis upon the practical aspects of modern election campaigning.

**POL 2303 - Introduction To World Politics**

An analysis of the structure of the international system and sources of international influence, and a description of types of international conflict and cooperation, such as wars, crises, arms races, alliances, international organizations, and arms control.

**POL 2413 - Introduction To Public Administration**

This course surveys concepts and problems of public administration with emphasis on development of organizations, personnel, and finance.

**POL 2623 - Applied Research in Public Administration**

Applied Research in Public Administration examines research strategies and skills applicable to public administration. Students learn research design, basic statistics, and develop skills in forecasting, decision analysis, cost-benefit analysis, and the use of other quantitative and qualitative analysis tools. Prerequisite(s): POL 2413.

**POL 2713 - Introduction To Comparative Politics**

This course is a study of the differences among political systems and political cultures; emphasizing the major characteristics of democratic and authoritarian political systems, and the merits of comparative analysis.

**POL 3000 - Workshop In Political Science**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**POL 3103 - Constitutional Law-Governmental Powers**

In this course, students will examine the constitutional origins of governmental powers and, more importantly, how the U.S. Supreme Court has decided to convey, construe, and confound them. Students will consider the following topics: judicial review, presidential powers, legislative

authority, federalism, interstate commerce, and the police powers of the state. Prerequisite(s): ENG 1113 and 1213.

**POL 3203 - Civil Liberties And The Courts**

This course is an analysis of the U.S. Constitution as interpreted by federal courts, emphasizing constitutional limitations on governmental action, particularly with respect to civil liberties. Prerequisite(s): ENG 1113 and 1213.

**POL 3263 - International Law**

This course is a case book and materials approach to the development and present content of international law based upon court cases, treaties, custom, and the writings of eminent jurists. Prerequisite(s): Sophomore standing.

**POL 3313 - Municipal Management/Politics**

This course is a study of the administrative and political environment of municipal governments in the United States with emphasis on Oklahoma municipalities. This course replaces POL 3303 and 3403.

**POL 3343 - Administrative Law**

This course is intended to acquaint students with constitutional concepts and case law that is relevant to federal employment and service delivery. Prerequisite(s): ENG 1113 and 1213. Junior standing.

**POL 3543 - Public Service Human Resource Management**

This course is a study of the nature and significance of government administration in modern democracy, emphasizing principles, problems, processes and procedures pertaining to the management of personnel.

**POL 3583 - Urban Government And Policy**

This course is a study of the proposed solutions for the intergovernmental problems of urban and metropolitan areas. Prerequisite(s): Junior standing.

**POL 3613 - Constitution & Criminal Procedure**

Constitution & Criminal Procedure covers the constitutional boundaries, established by the Supreme Court, for gathering evidence at a crime scene, questioning witnesses/suspects, arresting suspects, and seizing evidence as well as the constitutional rights of the accused at trial. Prerequisite(s): ENG 1113 and 1213.

**POL 3623 - Espionage And Intelligence**

This course studies the means by which national governments collect and analyze information about the actions and intentions of foreign governments and other international entities. Also included are government efforts to influence political events abroad and to prevent foreign penetration of intelligence services. Prerequisite(s): ENG 1113 and 1213.

**POL 3713 - China in the World**

China in the World examines the domestic and foreign policy challenges currently facing China. Specific attention is given to the role of the Chinese Communist Party in governing China's society and economy and to the continuity and changes in China's foreign policy with its emergence on the world stage. Prerequisite(s): Junior or senior standing.

**POL 3813 - Women And Politics**

This course will focus on the political status of women from a comparative perspective. The specific aim of the course is to examine the changing roles of women in recent history, the political and cultural impetuses behind these changes, and how these changes (or absence of change) have affected the lives of women in different political and cultural settings. Prerequisite(s): Junior standing.

**POL 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

**POL 4023 - Chinese Politics**

This course is an analysis of the political system of the People's Republic of China, with emphasis on the individual, groups, and govern-

mental institutions which exert major influence upon policy making. Prerequisite(s): Junior standing.

### **POL 4103 - American Political Parties**

This course will examine the roles played by political parties in American politics, including their impacts upon political mobilization, coalition-building, and voting. Prerequisite(s): Junior standing.

### **POL 4123 - The Congress**

This course is designed to introduce the student to the first branch of government. It will evaluate Congress, its functions, relationships, members, and organization in order to determine whether it achieves the purpose for which it was created. Prerequisite(s): Junior standing.

### **POL 4133 - Judicial Process**

In this course students will examine the role of the courts in the American political system. The structures of the state and federal court systems, the civil and criminal court processes, the various actors participating in the courts, and the processes through which the courts set their agendas and decide cases will also be evaluated. Prerequisite(s): ENG 1113 and 1213. Junior standing.

### **POL 4203 - Public Opinion**

This course is a study of public opinion and the techniques of mass media and propaganda in a democratic society, including its measurement and evaluation with particular reference to the role of interest groups. Prerequisite(s): Junior standing.

### **POL 4213 - Political Sociology**

This course is an examination of extremism and political deviancy, emphasizing the causes and sociological implications of political extremism. Credit will not be granted if the student has earned credit in SOC 4213. Prerequisite(s): Junior standing.

### **POL 4223 - Election Forecasting**

This course analyzes elections at the national and state levels in order to assess attitudinal trends within the electorate. Prerequisite(s): ENG 1113 and 1213. Junior standing.

### **POL 4233 - Political Forecasting**

This course is an analysis of techniques that are commonly used in forecasting political events. The emphasis is on statistical modeling. Prerequisite(s): ENG 1113 and 1213. Junior standing.

### **POL 4253 - Ethics In Public Service**

A course designed to give students an understanding of ethical dilemmas in administrative agencies, emphasizing legislation, cultural and religious influences, agency dynamics, professional codes, and democratic theory. Prerequisite(s): POL 1113.

### **POL 4263 - The Media And Politics**

This course examines the role of the media in politics, including how the various media outlets (print and electronic) cover American political institutions. It will also explore the impact of the media on political campaigns, with specific attention given to the role of television, campaign commercials, and public opinion polls. This course will also examine the political and social messages communicated by the entertainment media, and the responses to these messages from other sectors of American society. Prerequisite(s): Junior standing.

### **POL 4303 - European Politics**

This course is an analysis of political developments in Europe emphasizing state structures, intergovernmental relations, and regional political dynamics. Prerequisite(s): Junior standing.

### **POL 4323 - Middle East Politics**

Middle East Politics examines selected aspects of politics in the Middle East, with particular emphasis on current changes in Middle Eastern politics and world affairs. The objective of this course is to introduce students to the domestic politics and the external factors that have

influenced Middle Eastern countries and their relations with the outside world. Topics of discussions may include religions, cultures, ideologies, colonialism, modernization and democratization, nationalism, ethnicity and social movements, foreign policymaking and the status of women in the modern Middle East. Prerequisite(s): Junior standing or above.

### **POL 4353 - Sustainable Econ Development**

Sustainable Economics Development is an overview of the underlying economic and governance perspectives that promote sustainable development. Prerequisite(s): ENG 1113 and ENG 1213 with junior or senior standing.

### **POL 4363 - Urban Sustainability**

Urban Sustainability is the study of the relationship between local political processes and the pursuit of sustainable development in Oklahoma as well as worldwide. This class focuses on the theoretical underpinnings of sustainability and sustainable development as applied in the urban context.

### **POL 4393 - Cultural Competency in Orgs**

Cultural Competency in Organizations prepares public administrators to incorporate cultural competency into policy development and implementation in order to meet the core requirements of effective delivery of services to a comprehensive and inclusive public. The course focuses on the four components of cultural competency: (1) awareness of one's own cultural worldview; (2) attitudes toward cultural differences; (3) knowledge of different cultural practices and worldviews; and, (4) cross-cultural skills. Prerequisite(s): ENG 1113 and ENG 1213 and senior standing.

### **POL 4403 - Asian Politics**

This course is a study of the institutions and policymaking processes of within the political systems of several major countries in Asia. Prerequisite(s): Junior standing.

### **POL 4413 - Public Policy Analysis**

This course surveys methods of analyzing issues of public policy on the national, state, and local levels. Prerequisite(s): ENG 1113 and 1213. Junior standing.

### **POL 4423 - Environmental Politics**

This course reviews how the political system treats and responds to environmental issues such as environmental health and safety, resource scarcity, and natural esthetics. It will also examine how the political system responds to these pressures and how pro- and anti-environmental groups exert their political influence. The social and economic circumstances which provoked the emergence of the environmental movement will also be reviewed. Prerequisite(s): Junior standing.

### **POL 4443 - Cases in Public Administration**

Cases in Public Administration will analyze contemporary issues and cases related to bureaucratic structure, behavior, personnel, and resources. Emphasis on case studies. Prerequisite(s): Junior standing.

### **POL 4453 - Ancient & Medieval Political Thought**

This course is a survey of the development of political thought from its earliest recorded origins, through the Greeks, and ending with synthesis of Greek and Christian doctrines in medieval scholasticism. Prerequisite(s): ENG 1113 and 1213. Junior standing.

### **POL 4463 - Public Finance And Budgeting**

This course is an introduction to public service finance and budgeting systems including revenue sources, budget cycle and process, capital budgeting, debt financing, intergovernmental financing methods, budget implementation, and ethical issues. Prerequisite(s): Junior standing.

### **POL 4473 - Managing Nonprofit Orgs**

Managing Nonprofit Organizations examines the unique challenges and opportunities that nonprofits encounter. The course encompasses governmental and business perspectives on the purpose, scope, his-

tory, legality, funding, and economic impact of nonprofit organizations. Prerequisite(s): ENG 1113 and ENG 1213 and senior standing.

#### **POL 4493 - Modern Political Thought**

This course is a survey of the major figures in modern political thought from Machiavelli to the present. Prerequisite(s): ENG 1113 and 1213. Junior standing.

#### **POL 4523 - Public Program Evaluation**

Public Program Evaluation will develop students' skills in quantitative program evaluation. Students will study a variety of evaluation designs, including random assignment and quasi-experimental methods, and analyze data from actual evaluations. Strengths and weaknesses of alternative evaluation methods are emphasized. This course prepares students to use a diverse set of tools for assessing the impact of public interventions. Prerequisite(s): POL 2623 and junior or senior standing.

#### **POL 4543 - International Cooperation**

This course surveys the various institutions and mechanisms that contribute to the dynamics of international relations. Topics include: the roles played by international organizations and transnational actors; the theoretical contributions of regime and hegemonic stability theory; and the influence of human rights and ethnic identity. Prerequisite(s): ENG 1113 and 1213. Junior standing.

#### **POL 4603 - Intergovernmental Relations**

This course is an exploration of the relationships among the federal, state, metropolitan, and local units of government. Current trends, issues, administrative structures and procedures are emphasized. Prerequisite(s): Junior standing.

#### **POL 4623 - International Conflict**

This course is a comparative study of security challenges facing the international community in the post- Cold War period. Consideration will be given to such factors as the nature of state security, strategic and conventional weapons proliferation, regional military balances, and economic interdependence. Prerequisite(s): ENG 1113 and 1213. Junior standing.

#### **POL 4633 - Politics And The World Economy**

This course is an analysis of the political aspects of international trade, foreign investment, and international finance emphasizing government influences in each area. Prerequisite(s): Junior standing.

#### **POL 4643 - Survey Of American Political Thought**

This course is a survey of main currents in American political thought from Puritanism to the present. Prerequisite(s): ENG 1113 and 1213. Junior standing.

#### **POL 4673 - Islam and Politics**

Islam and Politics examines aspects of the general relationship between Islam and politics in modern world affairs. It explore diversities within and among Islamic societies, and highlights differences between Islamic movements and trends affiliated with both mainstream political Islam and Islamic radicalism. The course will cover issues concerning debates on Islam and democracy, the persistence of authoritarianism in Arab and Muslim societies and controversies surrounding the relationships between Islamic and Western values and societies. Prerequisite(s): Junior standing or above.

#### **POL 4693 - State Administration**

This course is a study of the administrative institutions, policy making processes, and political environment of state government. The course emphasizes theory and practice. Prerequisite(s): Junior standing.

#### **POL 4733 - American Foreign Policy**

This course is a survey of the major approaches to understanding the sources of American foreign policy, including the roles played by Congress, the president, the foreign policy establishments, and the courts. Readings will focus on selected policy areas of contemporary significance. Prerequisite(s): Junior standing.

#### **POL 4773 - The Presidency**

This course is the study of the presidency in law and practice; its relationship to Congress, the public, the party structure and the administrative establishment; and its responsibilities in foreign and military affairs. Prerequisite(s): Junior standing.

#### **POL 4783 - Political Violence**

This course is an analysis of the varieties and significance of political violence in domestic and international politics. Topics include revolution, terrorism, state-sponsored violence, and low-intensity conflicts. Prerequisite(s): Junior standing.

#### **POL 4823 - Religion And Politics**

Religion expresses transcendental ideals of human existence, while politics is the art of the possible. How do the two co-exist? This course addresses the relationship between religious belief and practice and the demands of politics. Prerequisite(s): ENG 1113 and 1213. Junior standing.

#### **POL 4900 - Practicum In Public Service**

Credit will vary from 1 to 4 hours. May be taught as an individual study or as a practicum. This course is offered for those who are training for public service and is designed to assure approved work experience. Prerequisite(s): Senior standing and program advisor's approval.

#### **POL 4910 - Seminar In Political Science**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

#### **POL 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **POL 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **POL 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

#### **POL 4950 - Internship**

Credit will vary from 1 to 8 hours.

#### **POL 4960 - Institute In Political Science**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

#### **POL 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

#### **POL 4993 - Democratic Governance**

This is the capstone course for political science majors. Themes and topics addressing the scope and operation of politics within democratic societies will be critically examined. Prerequisite(s): ENG 1113 and 1213. Senior standing.

### **PSYCHOLOGY (PSY) Department of Psychology**

#### **PSY 1103 - General Psychology**

This course is a comprehensive survey of the major academic subdivisions within the field of psychology. Special emphasis is placed on developing an introductory understanding of current psychological terminology and reference studies.

#### **PSY 1123 - Careers & Writing in Psychology**

This course is designed to acquaint the beginning student with an overall preview of the science and profession. The various career opportunities

open to the psychology major are explored. Additionally, this course is designed to provide students with direct experience in analyzing, producing, and evaluating field-specific psychological writing. Prerequisite(s): PSY 1103. Enrollment open to Psychology majors and minors only.

### **PSY 1133 - Applying Psychological Science**

This course will expose students to the philosophy of science that underlies why psychological science operates the way it does to understand human behavior. In addition, students will be exposed to the ways psychological science is applied in everyday life and the careers various fields of psychology can encompass. This includes how to apply empirical, scientific modes of thinking in explaining the causes of various phenomena, from everyday human behavior to supposedly paranormal events. Prerequisite(s): PSY 1103.

### **PSY 1203 - Personal Adjustment**

This course examines how psychology can be applied to everyday life to help people cope with problems and optimize their developmental potential as they face the challenges of a rapidly changing world.

### **PSY 2000 - Topics In Psychology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **PSY 2103 - Social Psychology**

This is a survey course of psychological research that examines the role of the individual in society and the effects of social interactions on individual behavior. Prerequisite(s): PSY 1103.

### **PSY 2523 - Writing for Psychology**

This course is designed to provide students with direct experience in analyzing, producing, and evaluating field-specific psychological writing. Using process-based writing approaches, this course provides students with both exposure to discipline-specific writing and practice with generating their own written discourses. Prerequisite(s): PSY 1103 and 1123. Concurrent enrollment in PSY 2753 is required. Enrollment open to psychology majors and minors only.

### **PSY 2743 - History Of Psychology**

A survey of the development of psychology from earliest times to the present. Emphasis is placed on developments since the establishment of the first psychological laboratory in 1879. Prerequisite(s): PSY 1103 or PSY 2703.

### **PSY 2753 - Psychological Statistics**

This course provides an introduction to descriptive and inferential, parametric and non-parametric statistical techniques used in psychological research, including measures of central tendency, variability, correlation, regression analysis, hypothesis testing, t-tests, Chi-square and simple analysis of variance. Prerequisite(s): PSY 1103, MATH 1113, ENG 1113, and ENG 1213 all with a minimum grade of "C". Enrollment open to psychology majors and minors only.

### **PSY 2833 - Developmental Psychology**

This is a theoretical and research based course covering the social, emotional, physical, and cognitive aspects of human development throughout the life-span. The course will also encourage students to develop an understanding of the potential applications of developmental theory and knowledge. Prerequisite(s): PSY 1103. This course replaces PSY 4433.

### **PSY 3000 - Workshop In Psychology**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **PSY 3033 - Sensation Perception & Action**

This introductory level course encourages the active discovery of the basic principles, vocabulary and methods that constitute this sub-area of experimental psychology. The emphasized topics are: biological bases, basic re-

sults, philosophical background, historical background, methodology, the role of technology, and how we become aware of, interpret and respond to stimuli within our environment. Students will explore how these topics influence their own relationship to the world. Prerequisite(s): PSY 1133 with a minimum grade of "C" and PSY 2753 with junior or senior standing. Enrollment open to psychology majors and minors only.

### **PSY 3513 - The Psychology of Gender**

This course will provide an overview of the study of the psychology of gender. Theories of gender development, relevant terminology, and research strategies will be discussed. Factors such as race, ethnicity, socioeconomic status, politics, and religion will be explored. Feminism, femininity, masculinity, and intersectionality will also be explored. The influence of gender on physical health and mental health will be considered as well. Prerequisite(s): PSY 1103 and junior or senior standing

### **PSY 3713 - Advanced Statistics: SPSS**

This course provides an introduction to the use of the statistical package for social sciences to study correlation and regression, power, analysis of variance from simple one-way analysis of variance through higher order factorials, including between subjects designs, mixed designs, nested designs, multiple comparisons among treatment means, magnitude of experimental effect, and other advanced topics such as analysis of covariance, multiple regressions, and log-linear analysis. Prerequisite(s): PSY 1123 and PSY 2753.

### **PSY 3833 - Experimental Psychology**

Experimental Psychology is an advanced, concentrated study of research methodology in the context of psychological science. Emphasis is on designing, evaluating, and reporting empirical research. Acquired skills include learning to formulate and test hypotheses by using controlled comparisons that maximize internal- external validity and eliminate explanations, to evaluate the reliability and validity of conclusions derived from research according to statistical considerations, to generalize conclusions appropriately, to consider diversity issues, and to observe psychology's ethical principles and scientific values. Prerequisite(s): PSY 1133 and PSY 3713 with a minimum grade of "C". Enrollment open to psychology majors and minors only with junior standing or above.

### **PSY 3863 - Psychological Measurement**

This course focuses on the use of the computer as a measurement device in psychological research. Students will acquire the necessary computer programming and word processing skills necessary for the development and use of psychological tests. Prerequisite(s): PSY 1103 and 2753.

### **PSY 3883 - Principles Of Organizational-Industrial Psychology**

A course designed to acquaint students with the principles, practices, and problems in organizational and industrial psychology. Emphasis is placed on how psychology can aid in career decisions and how the findings of industrial and organizational psychology will directly influence the student's life as job applicant, employee, manager, and consumer. Prerequisite(s): PSY 1103 and junior standing or above.

### **PSY 3903 - Biological Psychology**

This course explains behavior in terms of physiological processes. There is a heavy emphasis on the brain- behavior relationship. Prerequisite(s): PSY 1123, PSY 1133, and PSY 2753 and junior standing or above. Enrollment open to psychology majors and minors only.

### **PSY 3913 - Learning and Behavior**

This course offers an introduction to the various learning mechanisms that influence the establishment, maintenance, and/or reduction of behaviors in both humans and nonhuman animals. The course focuses on linking processes and theories of classical and operant conditioning to everyday behaviors. Prerequisite(s): PSY 1123 and PSY 2753 or written permission. Enrollment open to Psychology majors and minors with a junior or senior standing.

**PSY 3990 - Advanced Topics In Psychology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PSY 4213 - Motivation & Emotion**

Motivation & Emotion is designed to familiarize students with basic motivational and emotional processes as well as their applications in research and daily life. The content of this course will reflect research in approximately five topical areas: (a) basic motivation concepts, (b) theories of human behavior, (c) basic emotions (d) underlying physiological and neurological processes and (e) social and cultural concepts as they apply to motivation and emotion. Prerequisite(s): 18 hours in Psychology and senior standing or above. Enrollment open to psychology majors and minors only.

**PSY 4393 - Cognitive Psychology**

This course involves the study of how humans perceive and process information which includes such topics as perceptions, pattern recognition, attention, memory, imagery, language, cognitive development, thinking, creativity, problem solving, and artificial intelligence. Prerequisite(s): PSY 1103, PSY 3833 and junior standing or above.

**PSY 4553 - Comparative Psychology**

This course is a survey of behavioral processes in different species using the comparative method and including psychological, ecological, and evolutionary influences on behavior. Prerequisite(s): PSY 1103, (PSY 3903 or three hours of biology) and PSY 3913. Junior standing or above.

**PSY 4623 - Theories of Personality**

This course examines how different theories and approaches conceptualize and assess personality. The course will discuss the primary approaches to understanding personality: psychodynamic, biological/evolutionary, behavior/social learning, trait, humanistic, and cognitive. For each approach, the course will review the origins of the theoretical approach, discuss the approach's assumptions about personality, and examine examples of related research. Prerequisite(s): PSY 1103 and PSY 1123. Enrollment open to Psychology majors only with senior standing.

**PSY 4753 - Abnormal Psychology**

This course is a survey of the development of modern views of abnormal behavior. A study of the major neuroses and psychoses. Modern methods of diagnosis, treatment, and prevention are explored. Prerequisite(s): PSY 3903 and senior standing. Enrollment open to psychology majors and minors only.

**PSY 4763 - Theories, Learning & Cognition**

A comprehensive study of principles of learning and their applicability to the major areas of psychological concern is presented in this course. Prerequisite(s): PSY 3833 and senior standing. Enrollment open to psychology majors and minors only.

**PSY 4773 - Principles of Clinical Psychology**

An orientation to the field of clinical psychology is covered in this class. There is an emphasis upon the study of tools, techniques and methods of the clinician at work. Prerequisite(s): 18 hours of psychology including PSY 4753 and senior standing. Enrollment open to psychology majors and minors only.

**PSY 4783 - History, Systems of Psychology**

The course reviews the historical framework of systems within psychology. In addition, it allows students to reintegrate primary content areas of their discipline after completing a set of courses representing specific areas. Prerequisite(s): PSY 3833. Senior standing. Enrollment open to psychology majors and minors only.

**PSY 4900 - Practicum In Psychology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PSY 4910 - Seminar In Psychology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PSY 4920 - Workshop In Psychology**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PSY 4930 - Individual Study In Psychology**

Credit will vary from 1 to 4 hours. Supervised practical experience for students of psychology. Prerequisite(s): Written permission of instructor.

**PSY 4950 - Internship In Psychology**

Credit will vary from 1 to 8 hours.

**PSY 4960 - Institute In Psychology**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**PSY 4970 - Study Tour In Psychology**

Credit will vary. Subject matter will vary within the department's field of study.

**PROFESSIONAL TEACHER EDUCATION (PTE)****Department of Educational Services, Foundation & Research****PTE 1010 - Intro to Teacher Education**

This zero credit class provides students with the information that is needed to successfully navigate the teacher education process. Students will meet the staff members from Teacher Education Services and receive information about admission to teacher education and the electronic assessment portfolio as well as the testing requirements for teacher certification in Oklahoma.

**PTE 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PTE 3023 - Foundations Of American Education/Clinical Experience**

This course is a study of the historical, philosophical, political and sociological understanding of education in the United States with an emphasis on organization, administration and current issues. The course includes 15 hours of supervised Clinical/Field experience in an approved school. Prerequisite(s): PTE 1010 or with permission, concurrent enrollment in PTE 1010.

**PTE 3133 - Child Psychology**

This course provides an overview of the major theories of developmental changes from the prenatal period through late childhood. The course provides an in-depth study of physical, cognitive, psychosocial and emotional development with emphasis on gender, culture and ethnicity as they relate to infancy and childhood in society and within educational settings for teacher candidates. Prerequisite(s): Junior or senior standing.

**PTE 3153 - Adolescent Psychology**

This course is a study of the psychology of adolescence and its relationship to educational settings for teacher candidates. The various issues of adolescence are related specifically to educational settings. Issues covered in the course include, but are not limited to the following: biological, cognitive and social development, families, peers, work, leisure, psychosocial problems, and sexuality. Prerequisite(s): Junior or senior standing.

**PTE 3163 - Developmental Psychology**

This course is a study of the major theories of human development throughout the life-span as they relate specifically to an educational setting. Developmental principles include physical, cognitive, psychosocial and emotional development and the various factors that influence human development. Prerequisite(s): Junior or senior standing.

**PTE 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 4172 - Education Assessment**

This course provides an overview for pre-service teachers of methods of assessing the educational status and progress of students in common education through the use of formal and informal assessment tools and strategies to ensure quality of the educational environment. The course includes, but is not limited to topics such as authentic, performance-based assessment, portfolios, objective writing, teacher-made test, record keeping, grading assignments, standardized testing, and communicating with families. This course replaces PTE 4802. Prerequisite(s): Admission to teacher education, PTE 3023.

**PTE 4333 - Meeting Secondary Students' Needs**

This course focuses on understanding adolescents' physical, cognitive, and psychosocial development and the impact of family, community, and culture. Understanding these influences, as well as the needs of special learners, will foster the choices of appropriate strategies to meet the developmental and instructional needs of secondary students. Field applications in secondary schools allow students to apply course concepts in actual classrooms. Prerequisite(s): Junior or senior standing.

**PTE 4433 - Designing Instruction for Secondary Classrooms**

This course prepares students to design and teach effective lessons to facilitate student learning in secondary schools based on appropriate theoretical frameworks. Multiple strategies for enhancing student learning will be explored, including, but not limited to, lecture, demonstration, simulation, projects, experiments, dramatization, and group processes. Additionally, methods for differentiating instruction and integrating curriculum will be explored. Students will apply Oklahoma Academic Standards, National Board Standards and/or other Oklahoma standards in lesson planning and delivery. Prerequisite(s): Junior or senior standing.

**PTE 4533 - Contemporary Learning Sciences**

The learning sciences covers the fields of study focused on teaching and learning. The course will explore how effective learning environments are built for contemporary classrooms through six threads: designing effective learning environments, learner development and individual differences, teaching complex cognitive processes, motivation, differentiation and personalization, and the effective use of multiple technologies in teaching and learning. The course includes 45 hours of supervised Clinical Experience in an approved school. Prerequisite(s): Admission to Teacher Education program; PTE 3023, and PTE 3133 or 3153 or 3163 with a minimum grade of "C" and junior or senior standing.

**PTE 4543 - Managing Secondary Classrooms**

This course prepares students to utilize current theory and best practices related to behavior, motivation, and communication to create learning environments that encourage positive social interaction, self-motivation, and active engagement in learning. Additionally, students will create and rehearse approaches to developing professional relationships with students' parents and/or guardians. Field applications in secondary schools allow students to apply course concepts in actual classrooms. Prerequisite(s): Junior or senior standing.

**PTE 4623 - Secondary Class Assessment**

This course focuses on the design, delivery, analysis, and utilization of results of classroom assessments to enhance student learning in the secondary classroom. Students will also learn to utilize data from standardized tests and make appropriate instructional decisions. Additionally, the

course will examine the standardized testing process, as well as legal, ethical, and diversity issues in assessment. Prerequisite(s): Junior or senior standing.

**PTE 4811 - Contemporary Issues**

This course consists of three major components related to teaching: urban education, wellness, and the legal and professional aspects. It is required of all students seeking a degree or certification in teacher education. Prerequisite(s): Admission to teacher education, admission to student teaching, and concurrent enrollment in PTE 4828, 4838, or 4848 with senior standing or above. Enrollment open to education majors only.

**PTE 4828 - Internship/Student Teaching PK-3/Elementary**

This internship requires that early childhood (PK-3) or elementary (grades 1-6) teacher candidates plan a variety of Oklahoma Academic Standards (OAS)-based lessons, implement classroom management procedures, and actively and collaboratively teach in an early childhood or elementary classroom setting with a highly effective teacher. Teacher candidates will demonstrate data-driven instructional decision-making based on learner outcomes. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

**PTE 4838 - Internship/Student Teaching Secondary**

This internship requires that secondary (grades 7-12) teacher candidates plan a variety of Oklahoma Academic Standards (OAS)-based lessons, implement classroom management procedures, and actively and collaboratively teach in a secondary classroom setting with a highly effective teacher. Teacher candidates will demonstrate data-driven instructional decision-making based on learner outcomes. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

**PTE 4848 - Internship/Student Teaching PK-12**

This internship requires that PH-12 teacher candidates plan a variety of Oklahoma Academic Standards (OAS)-based lessons, implement classroom management procedures, and actively and collaboratively teach in an elementary and secondary setting with highly effective teachers. Teacher candidates will demonstrate data-driven instructional decision-making based on learner outcomes. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

**PTE 4853 - Classroom Management & Instruction**

This course addresses research based principles of classroom management with emphasis on diversity and effective instruction. The focus will be on developing strategies to create the optimal learning environment in order to promote student success. The course provides an overview of the state teacher evaluation process and professionalism. Prerequisite(s): Admission to teacher education and admission to student teaching. Junior or senior standing. Enrollment open to education majors only.

**PTE 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**PTE 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.



**PTE 4950 - Internship**

Credit will vary from 1 to 8 hours.

**PTE 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**PTE 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**READING (READ)****Donna Nigh Department of Advanced Professional & Special Services****READ 0122 - Reading**

Mandatory for all students who have not fulfilled state high school requirements in history. Includes a review of basic reading, spelling, and study skills. Not for college credit.

**READ 2000 - Topics In Reading**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**READ 2303 - College Reading/Study Skills**

This course assists college students who need to improve reading, study and test taking skills. It includes reading diagnosis of vocabulary, comprehension and rate, and provide developmental training with emphasis on individual work to improve weaknesses.

**READ 3000 - Workshop In Reading**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, film, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**READ 3990 - Advanced Topics In Reading**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**READ 4243 - Diagnosis Intervention Reading**

Candidates learn to identify children with reading difficulties and develop strategies for remediation. Methods of teaching reading and implementation are the primary focus of this class. The children, who are instrumental in this practicum experience, exhibit exceptionalities, individual differences, and cultural and linguistic diversity. A tutorial component requires that each candidate apply the knowledge and skills attained through assigned readings and class instruction in an authentic teaching/learning situation. Prerequisite(s): SPED 4102 and SPE 4123 and junior standing or above. Enrollment open to special education majors only.

**READ 4900 - Practicum In Reading**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**READ 4910 - Seminar In Reading**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**READ 4920 - Workshop In Education**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**READ 4930 - Individual Study In Reading**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**READ 4950 - Internship In Reading**

Credit will vary from 1 to 8 hours.

**READ 4960 - Institute In Reading**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**READ 4970 - Study Tour In Reading**

Credit will vary. Subject matter will vary within the department's field of study.

**RECREATION (REC)****Department of Kinesiology and Health Studies****REC 2402 - Outdoor Recreation**

This course will focus on the psychological influence and social significance of outdoor pursuits on the recreation/leisure experience. Skill development and environmental values of outdoor experiences will be emphasized.

**REC 2433 - Outdoor Pursuits**

This course will acquaint students with a variety of outdoor pursuit activities and skills related to the outdoor profession. The course will focus on skill development related to outdoor activities and environmental issues related to impacts and values associated with outdoor activities. Prerequisite(s): Enrollment open to Kinesiology majors and Outdoor and Community Recreation minors only.

**REC 2502 - Challenge Course Training**

This course will expose students to the theoretical and practical experiences of challenge course operation and group development. The student will gain knowledge and experience in knot tying, the use of high and low course elements, course safety, debriefing skills, and other relevant challenge course information.

**REC 2812 - Camp Administration & Program**

This course will investigate the administration of a modern camp. It will focus on the role of outdoor education in the leisure process.

**REC 3433 - Community Recreation**

The course will acquaint students with a variety of community based activities and skills related to the recreation profession. The course will focus on skill development and theories related to community engagement. Issues related to diverse populations and values associated with recreational activities will be examined during the course as well. Prerequisite(s): KINS 2643 with junior or senior standing. Enrollment open to Kinesiology majors and Outdoor and Community Rec minors only.

**REC 3513 - Facility Management**

This course is designed to give students an understanding of the skills necessary for planning, designing, maintaining, and managing recreation and fitness facilities. The course will study supply, demand, population, maintenance and safety analysis in developing appropriate areas and facilities for recreation and fitness programs. Prerequisite(s): KINS 2643. Junior or senior standing.

**REC 3702 - Wilderness First Aid**

Environmental and traumatic emergencies and their appropriate interventions in the wilderness setting will be studied. The class will study the prevention of accidents and decision-making in outdoor medicine. Prerequisite(s): HLTH 2212.

**REC 3803 - Tourism & Recreation**

This course will examine the dynamics of the tourism and recreation industries as elements of the leisure delivery system. Relevant areas that will be reviewed include an exploration of the various tourism systems related to social, environmental, and economics impacts. The various methodologies of how tourism has been developed into a worldwide industry will also be examined. Prerequisite(s): KINS 2643 and junior standing or above.

**REC 3990 - Advanced Topics In Recreation**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**REC 4363 - Therapeutic Recreation**

This course will acquaint the student with the health related profession used to promote play, recreation and leisure as a means to psychological and physical recovery among individuals with disabilities. The purpose is to introduce individual and group counseling techniques and play, recreation and other activities to restore, remediate or rehabilitate a person, in order to improve their functioning and independence, as well as, reduce or eliminate the effects of illness or disability. Prerequisite(s): KINS 2643. Junior or senior standing.

**REC 4503 - Entrepreneurship & Leisure**

This course will provide an in-depth look into the scope, entrepreneurial characteristics, concepts, strategies, and management aspects of commercial/industrial recreation and tourism. The course will address history, strategies, business start-up, budgeting, facilities, programming and operational management. Prerequisite(s): KINS 3623 and 2643. Junior or senior standing.

**REC 4513 - Org & Admin of Rec Facilities**

The course will examine the systematic approach to decision making based on fiscal policies, finance, and procedures related to the delivery of recreational programs. Students will practice the aforementioned processes to decision making throughout the semester by managing a created facility. Prerequisite(s): KINS 4433 and junior or senior standing. Enrollment open to Kinesiology majors only.

**REC 4900 - Practicum In Recreation**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**REC 4910 - Seminar In Recreation**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**REC 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**REC 4930 - Individual Study In Recreation**

Credit will vary from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): Written permission of department chair.

**REC 4950 - Internship In Recreation**

The Outdoor and Community Recreation Internship is an individualized program of study that provides a transition from the university to a professional recreation setting. The student will apply and test theories of recreation management in the field, under the guidance and supervision of a professional practitioner and a university faculty member. Prerequisite(s): KINS 3623, 4252, 4433, 4900, PHED 3503 and REC 3513 with a grade of "C" or better. Enrollment open to Kinesiology-Outdoor and Community Recreation majors with senior standing.

**REC 4960 - Institute In Recreation**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**REC 4970 - Study Tour In Recreation**

Credit will vary. Subject matter will vary within the department's field of study.

**SUBSTANCE ABUSE STUDIES (SAS)****Department of Sociology & Substance Abuse Studies****SAS 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SAS 2603 - Introduction To Substance Abuse Studies**

As an overall introduction to the field of substance abuse studies, this course covers categories of substance abuse, physiological and psychological effects of alcohol and other drugs, the disease concept of addiction, family and social dimensions of substance abuse, and the principle therapy and treatment approaches to the disease. This course replaces SAS 3113.

**SAS 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SAS 3023 - Counseling Skills In Substance Abuse**

Counseling Skills in Substance Abuse provides an in-depth survey of the major concepts and techniques of contemporary therapeutic approaches, and provides a foundation for advanced counseling theory and practice. Prerequisite(s): SAS 2603, 3123.

**SAS 3123 - The Addictive Process**

The particular diagnostic features of addiction and abuse as well as the nature of the addiction process, its treatment modalities, and relapse factors and prevention are described and discussed in detail in this course. This course replaces SOC 3123.

**SAS 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SAS 4273 - Substance Abuse and the Family**

Substance Abuse and the Family examines the family as a natural social system and the influence that alcohol and other drugs of abuse have on the system. Major emphasis is placed on theoretical models of roles that typically exist in families dealing with substance abuse and dependence including common patterns of the progression of the disease in the abusing or dependent person and the consequent effects on the family system. Prerequisite(s): ENG 1113, ENG 1213, and (SAS 2603 or family life education -child development major).

**SAS 4293 - Professional Principles/Substance Abuse Counseling**

Professional Principles of Substance Abuse Counseling emphasizes the collection of twelve domains of competency required of Certified Alcohol and Drug Counselors (CADC). The topics include professional ethics, legal issues/requirements including reporting and confidentiality, counseling persons with aids, case documentation, and interactions with cognate professions including psychology/psychiatry and social work. Prerequisite(s): ENG 1113, ENG 1213, and SAS 3023.

**SAS 4303 - Substance Abuse In Special Populations**

The disease of substance abuse and dependence has many unique characteristics when it occurs in persons and groups outside the typical family unit. In this course, an examination of those characteristics is explored among special populations including adolescents, the elderly, racial and ethnic minorities, gays/lesbians, the physically and developmentally disabled, the chronically ill, and criminals/delinquents. Prerequisite(s): ENG 1113, ENG 1213, (SAS 2603 and 3123 or Family Life Education major). This course replaces SOC 4303.

**SAS 4313 - Codependency**

Codependency studies people with impaired mental health and relational skills which are determined primarily by their relationship to a substance abuser/addict or by other dysfunctional primary relationships. In this

course, the etiology, symptomology, and treatment of codependency are presented. Prerequisite(s): ENG 1113, ENG 1213, SAS 2603 and 6 additional hours of SOC, PSY, or FMCD.

### **SAS 4323 - Dual Diagnosis**

Dual Diagnosis examines the relationship between alcohol/other drug abuse or dependency with mental illness such as depression, bi-polar disorder, post-traumatic stress, schizophrenia, dissociative disorder, and borderline personality. In addition, there are substance-induced disorders that mimic primary mental illness. In this course, differential diagnosis and treatment modalities for dual diagnoses or co-occurring disorders are treated in detail. Prerequisite(s): ENG 1113, ENG 1213, SAS 2603, 3123 and 6 additional hours of SOC, PSY, or FMCD.

### **SAS 4333 - Advanced Counseling Skills/Substance Abuse**

Advance Counseling Skills for Substance Abuse investigates advanced techniques of counseling and multi-disciplinary treatment options for substance abuse victims. Major emphasis is placed on comprehensive treatment planning and the unique role of the substance abuse counselor. Prerequisite(s): ENG 1113, ENG 1213, and SAS 3023.

### **SAS 4343 - Prevention And Education In Substance Abuse**

This course will examine contemporary prevention theories and the basic strategies of comprehensive prevention programming. The course will explore historical and current prevention programs. The course will examine the process of implementing prevention programs in communities through community mobilization and action planning. The course will explore prevention as a method of thinking about problems and issues. Prerequisite(s): ENG 1113, ENG 1213, and nine (9) hours of sociology, science, family and child studies, health or education.

### **SAS 4413 - Group Dynamics-Substance Abuse Counseling**

This course is an introduction to group dynamics with special emphasis on its application in substance abuse treatment. The course includes a survey of contemporary group process models/theories and extensive practical application exercises. Prerequisite(s): ENG 1113, ENG 1213, and SAS 2603 with a minimum grade of "C". Junior or senior standing.

### **SAS 4900 - Practicum**

Credit will vary from 1 to 4 hours. Field experience in community service occupations. A cooperative program involving placement of the student in trainee positions in selected agencies, classroom seminars, and coordinated supervision.

### **SAS 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SAS 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **SAS 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects. It may be a survey of the relevant literature in certain agreed upon areas, or a research project.

### **SAS 4940 - Field Study**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

### **SAS 4950 - Internship**

Credit will vary from 1 to 8 hours.

### **SAS 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **SAS 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

## **SOFTWARE ENGINEERING (SE)**

### **Department of Computer Science**

### **SE 2000 - Topics in Software Engineering**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **SE 3000 - Workshop in Software Engineering**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **SE 3103 - Object Oriented Software Design and Construction**

This course introduces principles and practices of object oriented software design and implementation. Also introduced are concepts of design patterns. Prerequisite(s): CMSC 2613.

### **SE 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SE 4283 - Software Engineering I**

This course covers the application of engineering and management disciplines to computer software projects. Topics discussed are the software lifecycle, CASE tools, requirement engineering, software models and architectures, software design and development, testing and validation, maintenance and evolution, project organization, management and cost estimation, and software quality assurance and risk analysis. Credit may only be earned in one of the following: CMSC 3303, CMSC 4283 or SE 4283. Prerequisite(s): CMSC 2613 and MATH 2313 and (STAT 2103 or 2113 or 4113).

### **SE 4423 - Software Engineering II**

This course is a continuation of the study of software engineering principles. It focuses on theory and practice of requirements elicitation and analysis, software verification and validation, and project management. Prerequisite(s): CMSC 4283 or SE 4283.

### **SE 4433 - Software Architecture & Design**

This course covers software design with emphasis on architectural design, reuse of software architectures, and patterns. Prerequisite(s): CMSC 4283 or SE 4283.

### **SE 4513 - Software Engineering Senior Project**

In this capstone course, students will have the opportunity to demonstrate and integrate skills acquired in their program of study to a project. Oral and written presentation of project concepts is emphasized. Students will be required to complete the department's assessment instrument. Prerequisite(s): CMSC 4003 and SE 4423 and SE 4433 and senior standing or above.

### **SE 4900 - Practicum in Software Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SE 4910 - Seminar in Software Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SE 4920 - Workshop in Software Engineering**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SE 4930 - Individual Study**

Credit will vary from 1 to 4 hours.

**SE 4940 - Field Study in Software Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SE 4950 - Internship in Software Engineering**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**SE 4960 - Institute in Software Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SE 4970 - Study Tour in Software Engineering**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SAFETY (SFTY)****Department of Adult Education & Safety Sciences****SFTY 2000 - Topics In Safety**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SFTY 2323 - Product Safety**

A study of the consumer product safety act concerning the safe design, production, distribution and use of certain products. Reviews of case histories are employed to illustrate problems of the manufacturer and consumer.

**SFTY 2343 - Safety Education**

This is an introductory course that provides an overview of safety by examining the related concepts of risk, hazard, prevention, mitigation, accident, illness, and injury. The fundamental causes and consequences of accidents will be studied, and the importance of safety in the home, occupational, and public settings will be emphasized.

**SFTY 2503 - Basic Measurements**

A study in applying the basic sciences of math, biology, chemistry and physics as they relate to the practice of occupational safety. Emphasis is placed on the formulas, calculations, and equations used by occupational safety professionals to solve problems and communicate results. Prerequisite(s): (MATH 1453 or MATH 1513) with a grade of C or better.

**SFTY 3000 - Workshop In Safety Education**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SFTY 3073 - Fundamentals of Occupational Safety**

This course provides an overview of the fundamentals of occupational safety, including the basics that safety professionals need to know in order to reduce hazards and prevent harm to people, property and the environment. Included is a discussion of the importance of occupational safety, key historical figures, events and legislation; terminology used in occupational safety; roles and responsibilities of safety professionals; elements of safety programs, and occupational safety regulatory standards and practices. Prerequisite(s): SFTY 2343 with a grade of C or better. Sophomore, junior or senior standing.

**SFTY 3103 - Legal Aspects of Occup Safety**

This course is a study of state, federal and local laws that may affect a person who aspires to a career as a safety professional. Prerequisite(s): SFTY 3073 with a grade of C or better.

**SFTY 3112 - Physical Aspects of Occupational Safety**

This course is the study of select principles in the physical sciences as they apply directly to the engineering aspects of occupational safety including: the concepts of force, work, energy, and power; the properties of materials; soil mechanics; heat transfer; and fluids. Prerequisite(s): SFTY 2503 with a grade of C or better and sophomore standing or above.

**SFTY 3203 - Driver & Traffic Safety Education I**

An introduction to and an analysis of the highway transportation system with specific treatment of the vehicle operator's driving tasks.

**SFTY 3333 - Ergonomics**

An examination of the various disciplines that interact to comprise the field of ergonomics. An historical scan is provided in addition to a review of basic terminology. Prerequisite(s): SFTY 3073 with a grade of C or better.

**SFTY 3343 - Construction Safety**

This course examines hazards and accidents involved with the construction industry. Included is a review of OSHA's construction safety standards, 29CFR 1926. Also, methods of identifying construction risks and hazards and managing a construction safety program are examined. Education and training methods and programs for the construction industry are discussed. Prerequisite(s): SFTY 3433 with a grade of C or better.

**SFTY 3353 - Radiation Safety**

Radiation Safety is a study of the origins of ionizing and non-ionizing radiation. Included are the health effects of radiation and the protective methods used in industry to minimize the effects of that radiation. The course will include the study of nuclear radiation, X-rays, microwaves, and laser light. Prerequisite(s): SFTY 2503 with a grade of C or better. Junior or senior standing.

**SFTY 3433 - Introduction to OSHA**

This course is designed to provide the student with an introduction to the Occupational Safety and Health Act of 1970 as administered by the Occupational Safety and Health Administration. The major components of the course include regulatory compliance, record keeping, general industry standards per 29CFR Part 1910, inspections, citations, violations, the General Duty Clause, and the nomenclature of the Code of Federal Regulations.

**SFTY 3443 - Mandatory OSHA Training**

This course is designed to cover approximately thirty types of mandatory training required by OSHA, including an overview of administrative policies, procedures and responsibilities. Employer's and employee's participation and rights will be covered. Prerequisite(s): SFTY 3073 and SFTY 3433 both with a grade of C or better. Sophomore standing or above.

**SFTY 3623 - Fundamentals of Petroleum Safety**

This course in the fundamentals of petroleum safety will present an overview of the oil and natural gas industry to include: petroleum geology; petroleum exploration activities; aspects of leasing; drilling operations; production; transportation; refining and processing; environmental and health concerns; and petroleum marketing. Particular emphasis will be placed on the specific occupational and environmental health and safety issues peculiar to each segment of the petroleum industry. Classroom instruction, supplemented with field trips and industry professionals presenting topics specific to their area of expertise, will be utilized to meet the course objectives. Prerequisite(s): SFTY 3073 with a grade of C or better and junior or senior standing.

**SFTY 3633 - International Safety**

This is a course in safety that addresses international problems. This course is broad in nature and includes concepts from the arenas of product safety, process safety, international legal aspects, international travel and shipping, world views on environmental problems, chemical spills, hazards created by governments, civil strife, and emerging international

trends in employer/employee relationships. Prerequisite(s): Junior standing or above.

### **SFTY 3713 - Supervisor Development**

This course is a study of skills needed by a supervisor or team leader in three aspects of loss control: Hazard recognition, level of acceptable risk, and controlling of hazards. Prerequisite(s): Junior standing or above.

### **SFTY 3733 - Fund of Emergency Mgmt**

This course introduces the student to the principles of emergency management and their application in the realm of continuity of operations and crisis management. Topics include comprehensive emergency management; public, private and non-profit roles and partnerships for emergency and crisis management; training and exercises; National Incident Management System (NIMS); emergency response; continuity planning; and recovery. Prerequisite(s): SFTY 3073 with a grade of C or better. Junior or senior standing.

### **SFTY 3990 - Advanced Topics In Safety**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SFTY 4013 - Alcohol And Drug Education**

The course is designed to explore the magnitude of the use of alcohol and drugs in our society. The individual is encouraged to explore the areas before making a decision concerning the use or nonuse of these substances.

### **SFTY 4083 - Advanced Safety Engineering**

This course provides advanced instruction in the engineering and technological aspects of current occupational safety practice. Elements of facilities design and planning, workplace exposures and protections, materials handling, and production operations is included. Prerequisite(s): SFTY 3073 with a grade of C or better. Junior or senior standing.

### **SFTY 4123 - Industrial Hygiene I**

A study of the industrial environment which is devoted to the recognition, evaluation and control of those environmental factors which contribute to worker illness and injury. Prerequisite(s): SFTY 2503 with a grade of C or better.

### **SFTY 4133 - Industrial Hygiene II**

A continuation of SFTY 4123 and the evaluation of needs and the recommendations for the solutions of health hazards in worker environment in the industrial plant. Prerequisite(s): SFTY 4123.

### **SFTY 4152 - Personal Protective Equipment**

A study of the selection, use, care and maintenance of various types of personal protective equipment commonly used in industry, and an overview of the anatomy and physiology of the body organs that each type of equipment is designed to protect. Prerequisite(s): SFTY 3433.

### **SFTY 4163 - Environmental Management**

A study of the characteristics of regulated hazardous wastes, the principles of hazardous waste management, and the OSHA regulations pertaining to the protection of workers in hazardous waste operations. Prerequisite(s): SFTY 2503 with a grade of C or better.

### **SFTY 4173 - Fire Prevention & Protection**

This course is designed to prepare the safety professional/other safety personnel for industry. Among the areas included are: factors contributing to industrial fires, the chemistry of fires, the classification of fires, special systems and agents, identification of hazardous materials, and fire prevention activities. Prerequisite(s): SFTY 3073 with a grade of C or better.

### **SFTY 4203 - Principles, History, & Philosophy Of Safety Education**

This course reviews the philosophy of industrial safety in light of the historical context. In addition, system safety and quantitative risk manage-

ment models will be studied. Prerequisite(s): Junior or senior standing. Enrollment open to Industrial Safety majors only.

### **SFTY 4213 - Chemical Hazards and Controls**

A study of the major categories of hazardous chemicals, their chemical and physical properties, and their toxicological effects on the human body. Prerequisite(s): SFTY 2503 and CHEM 1014 both with a grade of C or better.

### **SFTY 4222 - Industrial Fire Systems**

This course is designed to prepare the safety professional and other safety personnel for industry. Areas include fire detection systems, extinguishing systems and fire safety systems. Prerequisite(s): SFTY 4173.

### **SFTY 4232 - Life Safety Code**

Life safety codes are critically examined within the scope of pertinent standards and codes to assure safety from fire and its effects. All classifications of occupancies will be defined in the course. Prerequisite(s): SFTY 4173.

### **SFTY 4243 - Industrial Noise Control**

The class will provide an overview of the fundamentals of sound and sound measurements, audiogram interpretation, noise effects, noise legislation, and effective hearing conservation programs. Prerequisite(s): SFTY 2503 with a grade of C or better and junior or senior standing.

### **SFTY 4253 - Electrical Safety**

This course is a study of the basic concepts of direct and alternating current, including the generation, transmission, safe use, and protective methods employed in industry. Prerequisite(s): SFTY 3433 and junior or senior standing.

### **SFTY 4303 - Driver & Traffic Safety II**

Special attention is given to administrative policies and practices and selection, organization, and program evaluation. A study on qualification and certification standards for teachers of high school driver education; community resources, instructional strategy, evaluation of instructional materials and equipment. Laboratory practices will include experience in programming. Prerequisite(s): SFTY 3203.

### **SFTY 4323 - Underground Storage Tank Management**

This course will present information about the safety concerns associated with, and environmental hazards common to, above ground and underground petroleum storage tanks. The course will consist of lectures, guest speakers from the regulatory and consulting arenas, and field trips. Particular attention will be paid to regulatory requirements, environmental impacts, and remediation technologies for cleanup of spills emanating from leaking tanks. Prerequisite(s): SFTY 4163 and junior or senior standing.

### **SFTY 4333 - Storm Water Management**

This course is designed to inform the senior and graduate level Industrial Safety student about the applicable laws, rules, and regulations that pertain to the control, management, identification, and analysis of storm water and its associated environmental problems. Included is a review of the Clean Water Act, EPA's proposed and final rules, the Federal Register and the Code of Federal Regulations. Prerequisite(s): SFTY 4163 and junior or senior standing.

### **SFTY 4403 - Transportation Safety Mgmt**

This course is a study of transportation safety management, including those areas necessary for planning, organizing and implementing a safety program in the field of transportation. Areas of study include Department of Transportation (DOT) regulations and guidelines, key elements of an accident prevention program for transportation companies, Federal Motor Carrier Safety Regulations (FMCSR), hazard classes under DOT guidelines, and the types of substance abuse testing required under DOT regulations. Prerequisite(s): SFTY 3073 with a grade of C or better.

**SFTY 4412 - Hazard Communication**

Upon completion of this course, the student will be familiar with the principles of hazard and risk communication, the principles of design and delivery of hazard training programs, and the elements of an acceptable hazard communication program. Prerequisite(s): SFTY 3433 and junior or senior standing.

**SFTY 4423 - Applied Ergonomics**

This course explores methodologies and considerations involved with establishing an applied ergonomics program within industry. Included are methods for assessing ergonomic problems and needs, record keeping, work task analysis, investigation techniques, and corrective actions for reducing and/or eliminating ergonomic risk factors. Prerequisite(s): SFTY 3333.

**SFTY 4433 - Occupational Risk Management**

This course will prepare the prospective safety manager to plan, coordinate and control activities in the work place. Both physical risk and legal risk will be studied. Prerequisite(s): SFTY 2503 and SFTY 3073 both with a grade of C or better. Junior or senior standing.

**SFTY 4443 - Asbestos and Lead Management**

Asbestos and Lead Management is a course in methods and practices used to determine the extent of hazard posed by the presence of asbestos-containing materials and lead paint in the workplace, the environment, and in the home. The course is designed to familiarize the student with federal, state, and local laws and regulations governing these hazards, and the methodology used to either remove asbestos and lead paint, or to maintain them in situ while keeping personal and environmental risks within acceptable levels. Prerequisite(s): SFTY 4163 and junior or senior standing.

**SFTY 4453 - Hazard Waste Operation & Emergency Response**

Hazardous Waste Operations and Emergency Response (HAZWOPER) is a 40 hour course fulfilling the initial classroom training requirements of the United States Occupational Safety and Health Administration's regulation 29CFR 1910.120, Hazardous Waste Operation and Emergency Response. The course is designed as a one week intersession or intrasession. Prerequisite(s): Senior standing.

**SFTY 4463 - Industrial Ventilation**

This course is a study of methods and techniques of industrial ventilation systems, including local exhaust systems as engineering controls for reduction of air-borne contaminants, as well as the basic concepts of heating, ventilation, and air-conditioning (HVAC) systems. Prerequisite(s): SFTY 2503 with a grade of C or better. Junior or senior standing.

**SFTY 4613 - Professional Safety Development**

This course is the study of ethical, legal, technical, and regulatory requirements related to the professional practice of Occupational Safety. Included are the analyses of the various categories of expertise required in order to become a professionally and legally recognized practitioner of Occupational Safety. Prerequisite(s): Senior standing. Enrollment open to Occupational Safety majors only.

**SFTY 4633 - Accident Investigation**

This course is designed to provide the student with the fundamental principles of accident investigation, and enable the student to investigate work related accidents, determine causation, recommend corrective actions and manage the overall accident investigation and reporting process. Prerequisite(s): Senior standing or above. Enrollment open to Industrial Safety majors only.

**SFTY 4643 - Advanced Safety Management**

This advanced course in safety management will provide students with instruction in designing a system safety plan incorporating relevant system safety tools, identifying steps in the risk management process, utilizing risk management tools to assist in hazard evaluation, and constructing cost/benefit analysis scenarios using multiple methodologies.

Prerequisite(s): SFTY 4433 and senior standing. Enrollment open to Occupational Safety majors only.

**SFTY 4723 - Adv Field App in Petr Sfty**

This course in Advanced Field Applications in Petroleum Safety will present an advanced examination of the petroleum industry to include: drilling rig safety systems and inspection techniques; gas plant operation; process safety management principles and practical application with particular emphasis on the specific health, safety and environmental issues peculiar to each area of the industry. Classroom instruction, supplemented with field trips and industry professionals presenting topics specific to their area of expertise, will be utilized to meet the course objectives. Prerequisite(s): SFTY 3623 and junior or senior standing. Enrollment open to Industrial Safety majors only.

**SFTY 4873 - Safety Program Development**

This course is designed to provide an applied capstone experience for the Occupational Safety major, giving students the opportunity to address occupational safety and health program development, implementation, organization, administration, and operational management techniques. Prerequisite(s): Senior standing. Enrollment open to Occupational Safety majors only.

**SFTY 4900 - Practicum In Safety Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SFTY 4910 - Seminar In Safety Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SFTY 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SFTY 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SFTY 4950 - Internship In Safety Education**

Credit will vary from 1 to 8 hours.

**SFTY 4960 - Institute In Safety Education**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**SFTY 4970 - Study Tour In Safety Education**

Credit will vary. Subject matter will vary within the department's field of study.

**SPEECH/LANGUAGE PATHOLOGY (SLP)****Donna Nigh Department of Advanced Professional & Special Services****SLP 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SLP 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 4003 - Foundations Of Speech-Language Pathology**

This course presents a survey of the principles, concepts and terminology fundamental to the professions of speech-language pathology and audiology.

**SLP 4014 - Normal Language Development**

This course is a detailed study of the behavioral, cognitive and linguistic aspects of normal language development. Major theories of language development are examined as well as the development of specific semantic, syntactic, and pragmatic aspects of language behavior in children and adolescents. This course also includes study of sociolinguistic and dialectal variations. Prerequisite(s): Written permission required.

**SLP 4023 - Fluency Disorders**

This course includes a detailed examination of the nature and definition of fluency disorders (stuttering and cluttering). Theories regarding etiology and their implications for evaluation and treatment of fluency disorders are studied. Procedures for the evaluation of speech fluency, diagnosis, and treatment for different age groups are examined. Prerequisite(s): SLP 4713.

**SLP 4054 - Language Disorders**

This course presents a detailed study of the nature of language disorders in children and adolescents, including etiologies, classification, assessment and treatment. Specific emphasis includes principles and procedures for application of standardized test instruments, language sampling and analysis, informal assessment and developing intervention strategies. Prerequisite(s): SLP 4014.

**SLP 4143 - Acoustic Phonetics**

This course involves a study of the science of sounds necessary for the production of speech. This course is designed to train the student to hear and discriminate among the speech sounds of General American English, to train the student in the use of the International Phonetic Alphabet, and to give the student an understanding of how speech sounds are produced. Prerequisite(s): Written permission required.

**SLP 4223 - Audiology**

This course presents a study of the physics of sound, anatomy and physiology of the auditory system, auditory theory, pure-tone audiometry, speech audiometry, acoustic immittance, hearing screening, pathologies of the auditory systems, amplification and treatment strategies for the individuals with hearing impairment. Prerequisite(s): SLP 4724.

**SLP 4522 - Beginning Signing Exact English**

This course presents vocabulary and skill development in a manual English sign language system for use by speech-language pathologists and teachers in developing English skills in the hearing impaired. Topics include study of aspects of and differences in manual communication systems. Prerequisite(s): Instructor written permission required.

**SLP 4622 - Intermediate Signing Exact English**

This course presents vocabulary and skill development for intermediate grade level children in a manual English sign language system for use by speech-language pathologists and teachers in developing English skills in the hearing impaired. Prerequisite(s): SLP 4522.

**SLP 4673 - Speech Sound Disorders**

This course presents a study of the principles and procedures for assessment and remediation of articulation and phonological disorders. Prerequisite(s): SLP 4143.

**SLP 4693 - Voice Disorders**

This course presents an in depth study of anatomy and neurophysiology of the vocal mechanism and various voice disorders. The course includes evaluation and treatment techniques for hyper- and hypofunctional disorders, neurogenic disorders and clients with laryngectomy. Prerequisite(s): SLP 4713.

**SLP 4703 - Aural Rehabilitation**

This course presents a survey of the various methods and devices used in treatment of sensory auditory disorders. Topics includes study of hearing aids and auditory trainers, speech reading, auditory training, oral and manual methods of communication, and speech/language training. Prerequisite(s): SLP 4223.

**SLP 4713 - Clinical Methods Speech-Language Pathology**

This course examines the clinical foundations of speech-language pathology. Principles and procedures for the evaluation and treatment of communication disorders are studied. Methods for obtaining and analyzing behavioral data for clinical and research applications are examined in detail. Prerequisite(s): SLP 4054, 4673.

**SLP 4724 - Speech And Hearing Mechanism**

This course involves a study of the anatomy, neurology, physiology and function of the mechanisms of the human body involved in hearing, speech, voice and language acquisition and production. Prerequisite(s): Written permission required.

**SLP 4732 - Computer Applications/Technical Writing For Speech Language Pathology**

This course examines fundamental concepts of computer systems, computer applications, and their technical application to the field of speech-language pathology. Emphasis is placed on developing awareness of considerations related to utilizing specialized software for evaluation and treatment of communication disorders, researching professional information, and the development of technical writing skills utilizing computer applications. Prerequisite(s): SLP 4054 & 4673.

**SLP 4742 - Cultural Issues In Speech Language Pathology**

This course provides a study of cultural diversity issues in the provision of speech-language services. Speech and language characteristics of different cultures are examined with the resulting implications for assessment and treatment of communication disorders. Prerequisite(s): SLP 4713 and senior standing. Enrollment open to Speech/Language Pathology majors only.

**SLP 4752 - Special Populations in SLP**

This course examines the nature, characteristics, and treatment considerations for populations representing special etiologic categories that are assessed and treated by Speech-Language Pathologists. Students will engage in self-guided research of available literature and resources to complement basic information regarding special populations, including children with autism spectrum disorder, traumatic brain injury, developmental disability, and genetic syndromes. Prerequisite(s): SLP 4673 and SLP 4054 with senior standing. Enrollment open to Speech Language Pathology majors only.

**SLP 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SLP 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 4950 - Internship**

Credit will vary from 1 to 8 hours.

**SLP 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**SLP 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**SANSKRIT (SNSK)****Department of Modern Languages, Literature & Cultural Studies****SNSK 1114 - Elementary Sanskrit I**

This course introduces students to Sanskrit pronunciation, vocabulary, reading and grammar. The student will learn all the alphabet, 15 vowels and 35 consonants as well as a basic vocabulary. There are no prerequisites for this course.

**SNSK 1224 - Elementary Sanskrit II**

In the sequel to Sanskrit 1114, the students will continue the study of grammar, expand their Sanskrit vocabulary, practice grammatically correct constructions of sentences, and develop an understanding of how words in European languages have their roots in Sanskrit. Prerequisite(s): SNSK 1114.

**SNSK 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SNSK 3000 - Workshop**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SNSK 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SNSK 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SNSK 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and ENG 1213.

**SNSK 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SNSK 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SNSK 4940 - Field Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SNSK 4950 - Internship**

Credit will vary from 1 to 8 hours.

**SNSK 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**SNSK 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**SOCIOLOGY (SOC)****Department of Sociology & Substance Abuse Studies****SOC 2000 - Topics In Sociology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SOC 2011 - Careers In Sociology**

This class is designed to inform and educate students regarding professional career opportunities utilizing the undergraduate major in sociology. Prerequisite(s): SOC 2103.

**SOC 2103 - Sociology**

A general survey of the field of sociology; the origin and development of social institutions; social processes.

**SOC 2113 - Human Sexuality**

An introductory survey of relevant topics such as history of sexuality, the psychosocial sexual aspects of anatomy, birth control, human sex response cycle, sex techniques, research, sexually transmitted diseases, deviant sexuality, sexual dysfunction, and sex education.

**SOC 2203 - Social Problems**

Some of the more important current social problems such as poverty, delinquency, criminality and migration; also a consideration of agencies for solution.

**SOC 2303 - Social Psychology**

An integration of sociology and psychology stressing personality development of the individual growing out of contact with his fellow beings; social adjustments and social controls.

**SOC 2413 - Cultural Anthropology**

Cultural history, theories of culture, a survey of human behavior patterns with particular attention to non-western societies.

**SOC 2503 - Introduction To Social Work**

A survey of the three basic components of social work: casework, group work, and community organization. Principles and technique of human service delivery systems will be analyzed.

**SOC 3000 - Workshop In Sociology**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree. Prerequisite(s): Sophomore standing or above.

**SOC 3103 - Juvenile Delinquency**

Juvenile Delinquency is the study of the nature and extent of deviant behavior by legal minors in contemporary society. This course explores the history, organization, and procedures of the juvenile justice system. This course also describes the psychological, sociological, and biological factors and conditions contributing to delinquency while discussing the control and treatment of juvenile delinquency. Credit may not be earned for both SOC 3103 and CJ 3103. Prerequisite(s): Sophomore standing or above.

**SOC 3163 - Sociology Of Sports And Leisure**

The sociology of sports applies the sociological concepts, techniques, methodologies, and theories to investigating and studying the sports industry in American society. Special attention is given to both the formal and informal aspects of sports activity and its impact upon other forms of institutional life in American society. Prerequisite(s): Sophomore standing or above.

**SOC 3203 - Minorities In American Society**

Minorities in American Society provides an understand the concept of minority group and minority group behavior; the extent of the socio-cultural reasons for prejudice and discrimination; and contemporary



dominant-minority group relations in the United States. Prerequisite(s): SOC 2103 and junior standing or above.

### **SOC 3303 - Sociology Of Health And Medicine**

Sociology of Health and Medicine applies sociological concepts and research findings to health beliefs, practices, and social-psychological aspects of illness. Prerequisite(s): SOC 2103 with junior standing or above.

### **SOC 3403 - The Family**

A history of the family as a social and educational institution; problems confronting the modern family. Prerequisite(s): SOC 2103 or FMCD 2223 and sophomore standing or above.

### **SOC 3573 - Sociology Of Religion**

A theoretical examination of religious beliefs and practices as they relate to other social institutions and forces. Prerequisite(s): Sophomore standing or above.

### **SOC 3633 - Criminology**

Criminology examines the theoretical explanations of crime and diverse types of criminal behavior. Credit may not be earned for both SOC 3633 and CJ 3633. Prerequisite(s): Sophomore standing or above.

### **SOC 3743 - Organizational Behavior**

A systematic study of organizational concepts, techniques, methodologies, and theory from a sociological perspective. Both formal and informal organizational structure and function will be considered within the dynamic and complex social environment of our society. Prerequisite(s): Sophomore standing or above.

### **SOC 3990 - Advanced Topics In Sociology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Sophomore standing or above.

### **SOC 4043 - Sociological Statistics**

Sociological Statistics is an introduction to social statistics and their application in social research. It is designed to help students identify and understand how statistics are used to describe data and to make inferences about the relations between variables. Students will learn descriptive techniques and decision-making statistical procedures. Prerequisite(s): ENG 1113, 1213, SOC 2103, 9 additional hours of Sociology and 3 hours of Math with junior standing or above.

### **SOC 4053 - Sociology Of Aging**

This course is designed to acquaint students with the magnitude of the aging situation in America and to become informed about the social, psychological, economic, and political problems associated with the increasing number of people reaching retirement age in America. Prerequisite(s): ENG 1113, 1213, 3 hours of sociology and junior standing or above.

### **SOC 4103 - Urban And Rural Communities**

Principles of community organization, the general attributes of communities, the special features of folk and modern city societies developed in contrast. Prerequisite(s): ENG 1113, 1213, and 9 hours of sociology with junior standing or above.

### **SOC 4213 - Political Sociology**

A study directed toward an examination of extremism and political deviancy. The study will consider causative factors and sociological implications of political extremism. Credit will not be granted if the student has earned credit in POL 4213. Prerequisite(s): ENG 1113, 1213, POL 1113, SOC 2103, junior standing or above.

### **SOC 4233 - Human Behavior/Social Environment**

This course is intended to acquaint students with an ecological model entitled "The Behavior Dynamics Assessment Model" which presents a vast array of theories and research to explain and describe human

development; teach a life-span approach which allows for a description of human growth and development from conception through late adulthood; identify for each age group, sociological, psychological, and biophysiological variables that influence development; describe normal developmental tasks and milestones for each age group; present theories of abnormal development ranging from macro-sociological to microbiological; and describe human diversity factors (involving racial groups, ethnic groups, gender, and sexual orientation) and articulate their various impacts on human behavior and social life. Prerequisite(s): ENG 1113, 1213, (SOC 2103 or PSY 2703) with junior standing or above.

### **SOC 4243 - Social Deviance**

This course defines social deviance, analyzes theories of deviance, examines social reactions to and social control of deviance, and looks at the effects of deviant identity. The above information then is applied to an understanding of several specific types of deviance, e.g., child abuse, alcoholism, suicide. Prerequisite(s): ENG 1113, 1213, SOC 2103 and 6 hours of sociology with junior standing or above.

### **SOC 4403 - Social Ecology And Demography**

An analysis of population movements and their effects on ecological and demographic factors in the society. Prerequisite(s): ENG 1113 and 1213 with junior standing or above.

### **SOC 4443 - Social Stratification**

Social Stratification will explore theories of class and caste, wealth, status, and power, and the American class system. Prerequisite(s): ENG 1113, 1213, and SOC 2103 with junior standing or above.

### **SOC 4463 - The Abused**

The Abused is a course that equips students preparing for work in the helping professions to identify symptoms of abuse, and other forms of trauma, and to design and carry out treatment plans specifically developed to ameliorate resultant maladaptive behavior patterns. Matters of etiology, symptomology, and treatment techniques are examined with particular emphasis on research and theory. Prerequisite(s): ENG 1113, 1213 and junior or senior standing. Enrollment open to Sociology majors and Family Life Education - Marriage and Family majors only.

### **SOC 4513 - Contemporary Social Movements**

Contemporary Social Movements covers the tools for the analysis of social movements (collectivities engaged in promoting or resisting change within society). Prerequisite(s): ENG 1113, 1213, and SOC 2103 with junior standing or above.

### **SOC 4523 - Sociology of Gender**

Sociology of Gender will acquaint students with the myriad of issues related to the development of gender roles in society and the stratification related to these roles found across history and culture. Prerequisite(s): ENG 1113 and 1213 with junior or senior standing.

### **SOC 4533 - Sociology of Death & Dying**

Sociology of Death and Dying examines the structural and interactional aspects of the phenomenon of death and the process of dying in modernity. This course includes, among other things, an analysis of the highly variegated attitudes and meanings related to death rituals, body disposal, professionalization of death work, significance of bereavement and grief, the medicalization and bureaucratization of death and dying, and the role of hospitals and hospices in the management of dying. Prerequisite(s): ENG 1213 and junior or senior standing.

### **SOC 4573 - Sociology Of Childhood/Adolescence**

A study of the group phases of childhood, child welfare, and the sociological analysis of child and adolescence. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

### **SOC 4633 - Social Welfare Policy**

Social Welfare Policy will provide students with an understanding of state and federal social welfare policies and the impact they have on

special populations (particularly those in poverty). In addition, students will learn the theoretical bases for social welfare policies and analyze them from economics, political, and human services perspectives. Prerequisite(s): ENG 1113, ENG 1213 and SOC 2503 or permission of instructor. Junior level or above.

### **SOC 4693 - Sociological Theory**

Sociological Theory is a study of both classical and contemporary sociological theories. There is an emphasis on understanding the main ideas of theory, but also on the biographical, social, and intellectual influences on each theorist's work. Students will be challenged to think critically about the ideas presented regarding the different theoretical schools and the application of those ideas to contemporary social issues and problems. Prerequisite(s): ENG 1113, 1213 and 9 hours of upper division Sociology including one of the following: SOC 3103 or 3633 or 4243. Enrollment open to Sociology majors only with junior standing or above.

### **SOC 4763 - Qualitative Methods**

Qualitative Methods examines the collection of research strategies (methods) considered to be part of the genre of qualitative research. The primary topics in the course include, research design, research ethics, in-depth interviews, ethnography (participant observation), focus groups, and case studies. Other research strategies examined in less detail include sociometry, life histories, visual sociology, and a host of unobtrusive measures. Prerequisite(s): ENG 1213 and junior or senior standing.

### **SOC 4773 - Sociological Research**

Sociological Research emphasizes quantitative research designs -- experiments, quasi-experiments, and correlational designs-- are examined. The merits and shortcomings of each technique are reviewed, as well as related issues such as reliability and validity, correlation vs. causation, generalizability, the relationship between theory and research, and ethical considerations. Several qualitative applications in social research are also examined. Prerequisite(s): ENG 1113, 1213, SOC 4043, and 6 additional hours of upper division sociology. Junior or senior standing.

### **SOC 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the Department's field of study. Each hour of course credit requires 40 hours on site. Prerequisite(s): ENG 1113, ENG 1213 and SOC 2103. Senior standing. Enrollment open to Sociology majors only.

### **SOC 4910 - Seminar In Sociology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

### **SOC 4920 - Workshop In Sociology**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **SOC 4930 - Individual Study In Sociology**

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects. It may be a survey of the relevant literature in certain agreed upon areas, or a sociological research project. Prerequisite(s): ENG 1113 and 1213.

### **SOC 4940 - Field Study In Sociology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213. Enrollment open to sociology majors only with senior standing.

### **SOC 4950 - Internship In Sociology**

Credit will vary from 1 to 8 hours. Prerequisite(s): ENG 1113 and 1213.

### **SOC 4960 - Institute In Sociology**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

### **SOC 4970 - Study Tour In Sociology**

Credit will vary. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

## **SOCIAL STUDIES (SOST)**

### **Department of History & Geography**

#### **SOST 4910 - Seminar In Social Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **SOST 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

#### **SOST 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

## **SPANISH (SPAN)**

### **Department of Modern Languages, Literature & Cultural Studies**

#### **SPAN 1114 - Elementary Spanish I**

Elementary Spanish I is an introduction to Spanish grammar and vocabulary and emphasizes the development of speaking, writing, reading and listening in the language. Prerequisite(s): Students with two or more years of high school coursework in Spanish or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Spanish.

#### **SPAN 1134 - Spanish I for Law Enforcement**

Elementary Spanish I for Law Enforcement Professionals is an introduction to Spanish pronunciation, conversation, grammar, reading, and composition. Content and assessments are tailored to meet the needs of law enforcement personnel, but the course is equivalent to SPAN 1114. Prerequisite(s): Enrollment open to Criminal Justice majors and minors only.

#### **SPAN 1224 - Elementary Spanish II**

Elementary Spanish II builds on the grammar and vocabulary foundations established in Elementary Spanish I and continues to foster the development of speaking, writing, reading and listening in the language. Prerequisite(s): SPAN 1114 or two years of high school Spanish. Students with two or more years of high school coursework in Spanish or heritage or native speakers must petition the Department of Modern Languages for enrollment in a 1000-level course in Spanish.

#### **SPAN 2000 - Topics In Spanish**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

#### **SPAN 2113 - Intermediate Spanish I**

This course presents a review of Spanish grammar and application of grammatical principles through extensive composition. Prerequisite(s): SPAN 1114 and 1224.

#### **SPAN 2223 - Intermediate Spanish II**

This course focuses on reading and discussion in Spanish designed to expand vocabulary, facilitate oral expression and increase comprehension. Prerequisite(s): SPAN 1114, 1224 and 2113.

#### **SPAN 2333 - Spanish Reading and Composition**

Spanish Reading and Composition presents an overview of more complex reading and writing skills in the target language. Prerequisite(s): SPAN 2113.

**SPAN 3000 - Workshop In Spanish**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SPAN 3013 - Hispanic American Culture & Civilization**

This course presents an overview of Hispanic American culture and its civilization--including its political and artistic history--from its beginning to the present day. Prerequisite(s): ENG 1113, ENG 1213 and SPAN 2113 and 2223 and (HUM 2113 or 2223) and (PHIL 1103 or 1113 or 1123 or 2073). Sophomore standing or above.

**SPAN 3023 - Spanish Culture & Civilization**

This course presents an overview of Spanish culture and its civilization--including its political and artistic history--from its beginnings to the present day. Prerequisite(s): ENG 1113, ENG 1213 and SPAN 2223 and (HUM 2113 or 2223) and (PHIL 1103 or 1113 or 1123 or 2073). Sophomore standing or above.

**SPAN 3213 - Spanish Phonetics**

Spanish Phonetics is a scientific investigation of the Spanish sound system, including its principal phonemes and allophones. Phonetic transcription is included. Prerequisite(s): 2 years of Spanish including SPAN 2113, 2223 with a minimum grade of "C".

**SPAN 3223 - Introduction To Spanish Literature Analysis**

This course presents a comprehensive introduction to methods of critical literary analysis as applied to Hispanic literature. A variety of terminology used in literary analysis and criticism, as well as authors, genres, periods, and movements from Hispanic America and Spain are introduced. Prerequisite(s): 14 hours of Spanish including 2113, 2223.

**SPAN 3323 - Spanish Translation**

This course introduces the strategies for translating short authentic texts from Spanish to English and from English to Spanish. Students will increase their knowledge of complex Spanish grammatical constructions, improve their Spanish vocabulary and gain fluency in expressing themselves in Spanish. Prerequisite(s): SPAN 2113 & 2223.

**SPAN 3812 - Spanish Conversation And Total Immersion**

This course gives students the opportunity to plan and participate in a total immersion experience during which they will communicate only in Spanish. Students will improve their Spanish vocabulary, will gain greater fluency in Spanish and will increase their confidence in the use of Spanish. Each immersion is constructed with a culturally thematic element so that students will become familiar with specific aspects of hispanic culture. Prerequisite(s): SPAN 2113, 2223.

**SPAN 3990 - Advanced Topics In Spanish**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113, ENG 1213, and 14 hours Spanish.

**SPAN 4113 - Advanced Spanish Grammar**

This course provides an intensive analysis of the structure and rules of Spanish grammar with an emphasis on topics that represent a high level of complexity and difficulty. Prerequisite(s): 17 hours of Spanish.

**SPAN 4123 - Survey Spanish Literature To 1800**

Survey of Spanish Literature to 1800 presents an overview of a variety of genres and authors from Spanish literary movements from the Medieval period through the Romantic period. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish including SPAN 3223.

**SPAN 4133 - Survey Spanish Literature To Present**

Survey of Spanish Literature to the Present presents an overview of a variety of genres and authors from the Romantic period to the contemporary era. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish including SPAN 3223.

**SPAN 4163 - Early Spanish Drama**

This course presents the major literary developments in Spanish drama by movement, period, or author through the eighteenth century. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish.

**SPAN 4173 - Modern Spanish Drama**

This course presents the major literary developments in Spanish drama by movement, period, or author in the 19th and 20th centuries. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish.

**SPAN 4183 - Early Spanish Novel**

This course presents the major literary developments in Spanish novel by movement, period, or author through the 18th century. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish.

**SPAN 4193 - Modern Spanish Novel**

This course presents the major literary developments in Spanish novel by movement, period, or author through the 19th and 20th centuries. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish.

**SPAN 4223 - Survey Early Latin American Literature**

Survey of Early Latin American Literature presents an overview of a variety of genres and authors from pre- Hispanic indigenous works to the Romantic period. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish including SPAN 3223.

**SPAN 4233 - Survey Modern Latin American Literature**

Survey of Modern Latin American Literature examines Latin American literature from Romanticism to the present. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish including SPAN 3223.

**SPAN 4303 - Women Writing In Spanish America**

Women Writing in Spanish America provides a comprehensive overview of literature by women writers from diverse periods and geographic regions of Central and South America, Mexico, and the Caribbean. Concepts introduced include issues influencing women's roles in Spanish America, such as silencing, otherness, and mythical images of women leading to the formation of false identities. These notions and others are considered in relation to influential political and religious institutions often regarded as instruments of oppression. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours in Spanish.

**SPAN 4403 - Contemporary Spanish American Drama**

This course introduces students to Spanish American dramatic texts dating from approximately 1950 to the present. Among the topics to be explored are the concepts of socially-committed theater, political oppression, dehumanization, lack of communication, and the isolation of the individual from self and society. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours Spanish and written permission of instructor.

**SPAN 4900 - Practicum In Spanish**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 17 hours Spanish.

**SPAN 4910 - Seminar In Spanish**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content. Prerequisite(s): ENG 1113, ENG 1213, and 17 hours of Spanish.

**SPAN 4920 - Workshop In Spanish**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SPAN 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Study matter will vary within the department's field of study. May be repeated for credit up to four hours. Written permission required.

**SPAN 4940 - Field Study In Spanish**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**SPAN 4950 - Internship In Spanish**

Credit will vary from 1 to 8 hours.

**SPAN 4960 - Institute In Spanish**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**SPAN 4970 - Study Tour In Spanish**

Credit will vary. Subject matter will vary within the department's field of study.

**SPECIAL EDUCATION (SPED)****Donna Nigh Department of Advanced Professional & Special Services****SPED 2000 - Topics In Special Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SPED 3000 - Workshop In Special Education**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**SPED 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SPED 4102 - Language Development In Special Education**

This course will explore serious language acquisition, language development and components, communication progression, and recognition of non-symbolic communication. Language assessment, formal and informal language teaching strategies, remediation activities, and language service delivery models will be examined. Prerequisite(s): SPED 4123. This course replaces SLP 4003.

**SPED 4123 - Teaching Individuals w/Disabilities**

Teaching Individuals with Disabilities addresses all special education categories of disabilities, related legal mandates, parent rights, as well as the role of general and special educators in meeting the needs of students with disabilities. Special emphasis is placed on instructional and cognitive strategies to help students with disabilities succeed.

**SPED 4212 - Legal Aspects In Special Education**

This course involves an exploration of issues relating to the needs and concerns of parents of exceptional individuals and a survey of current legal issues affecting rights and responsibilities of exceptional individuals, parents, and teachers. This course replaces SPED 4621. Prerequisite(s): SPED 4123.

**SPED 4232 - Educational Strategies Young Child Special Needs**

This course is a study of the growth and development of typical and atypical young children. Included will be an identification of specific disabilities with selection of developmentally and functionally appropriate materials, equipment, environments, and teaching strategies. Prerequisite(s): SPED 4123.

**SPED 4242 - Foundations Of Mild/Moderate Disability**

This course is designed to teach characteristics and etiology of disabilities such as learning disabilities, mental retardation, emotional disturbance, other health impairment, autism, physical disabilities, etc. and to apply this knowledge to the mild/moderate needs of students with these disabilities in educational settings. In addition, case studies and a variety of interventions will be explored to better analyze and determine services

needed. Prerequisite(s): SPED 4123 with a minimum grade of "C". Junior or senior standing.

**SPED 4252 - Foundations Of Severe/Profound Disability**

This course is designed to assist students in developing proficiency in recognizing and understanding the historical, legal, and ethical history of children preschool to the secondary level defined as needing extensive and ongoing supports. Prerequisite(s): SPED 4123.

**SPED 4303 - Assessment/Exceptional Individual**

This lecture and application course is an in-depth examination of educational evaluation instruments and their purpose. Emphasis is on a unified team approach of differential diagnosis and treatment. State and federal Special Education assessment mandates for grades K-12 will be covered. Prerequisite(s): SPED 4123.

**SPED 4322 - Trends & Issues In Special Education**

Trends and Issues in Special Education is a course that will address medical trends, litigation, legislation, controversial issues, curricular development and best practices. It is designed to provide a means of investigation into the review of relevant research, societal changes and the impact on people included in this population. Prerequisite(s): SPED 4123 with a minimum grade of "C".

**SPED 4432 - Attention Deficit Hyperactive Disorders**

This course is designed to provide information regarding etiology and intervention techniques appropriate to assist individuals with attention deficit hyperactivity disorders. Techniques for assessment, effective research-based intervention, parent and counselor intervention will also be addressed. In addition, students will be exposed to information regarding medications and a variety of alternative treatments that have proven effective for some individuals with ADHD. Prerequisite(s): SPED 4123 with a minimum grade of "C" and junior or senior standing.

**SPED 4443 - Behavioral/Classroom Management**

This course is designed to provide behavioral and classroom management techniques for teacher candidates, parents, and others. The course emphasizes applied behavioral analysis, cognitive behavioral techniques, informal behavioral assessment, FBAs, BIPs, and a variety of interventions to assist individuals with behavioral and classroom management issues. Prerequisite(s): SPED 4123 and junior or senior standing.

**SPED 4452 - Curriculum Modification/Assistive Technology In Special Education**

This course will provide an overview of state and national requirements related to the instructional, assistive, and rehabilitation technology designed and adapted for students with disabilities. The emphasis of this course is on practical applications of technology and curriculum modification in helping students with disabilities gain independence in learning, communicating, and integrating into society together with the documentation required by the State's Policy and Procedure Manual. Prerequisite(s): SPED 4123 with a minimum grade of "C" and junior or senior standing.

**SPED 4572 - Autism and Traumatic Brain Injury**

This course provides a study of the characteristics, etiology, evaluation, and identification of individuals with autism and/or traumatic brain injury. Research-based effective educational programs, assistive technology and other resources for individuals with autism and those with traumatic brain injury (TBI) will be emphasized. Collaboration and training of parents and professionals as required for the development of an individualized educational program will be examined. Prerequisite(s): SPED 4123 or concurrent enrollment.

**SPED 4582 - Secondary Special Education**

This course will include instruction in class organization, curriculum development and adjustment, and an introduction to methods and techniques of teaching middle and senior high school students with disabilities. Transition needs of students at this level will be emphasized along

with the need for cooperation among agency and post-secondary service providers. Students may also be required to participate in a secondary field experience or service learning project. Prerequisite(s): SPED 4123 or 4333.

### **SPED 4653 - Procedures For Mild/Moderate Learning Disabilities**

This course examines in detail the characteristics, identification, program options and learning needs of students who possess normal intelligence but experience difficulties in the ability to think, read, write, listen, speak, spell, and complete mathematical calculations. This course replaces SPED 4503. Prerequisite(s): SPED 4123.

### **SPED 4693 - Procedures For Severe/Profound Physical Health Disabilities**

This course is a study of academic, behavioral, emotional, social and health procedures as well as curriculum modifications that will be research pertaining to the wide range of physical and health disabilities at severe-profound levels. Specialized physical equipment and medical adaptations for this population will be studied in depth. Prerequisite(s): SPED 4123. This course replaces SPED 4563.

### **SPED 4743 - Procedures For Mild/Moderate Emotional Behavior**

This course is a study of teaching students with emotional/behavioral disorders in public schools, early intervention programs, and day care centers. Mental health principles for understanding, managing, and teaching individuals with emotional/behavioral disorders are included. Emphasis is placed upon the academic, behavioral, emotional, and social needs of this mild-moderate disabilities population. Prerequisite(s): SPED 4123. This course and SPED 4753 will replace SPED 4683.

### **SPED 4753 - Procedures For Severe/Profound Emotional/Behavior**

This course is a study of teaching students with emotional/behavioral disorders in public schools, day care centers, hospitals and residential schools. Mental health principles for understanding, managing, and teaching individuals with emotional/behavioral disorders are included. Emphasis is placed upon the academic, behavioral, emotional, and social needs of this severe-profound/multiple disabilities population. Prerequisite(s): SPED 4123. This course and SPED 4743 will replace SPED 4683.

### **SPED 4763 - Procedures for Mild/Moderate ID**

This course is a study of characteristics, causes, and academic, social, cultural, emotional interventions for students with mild-moderate intellectual disabilities. It will include a study of the classification, ideology, legal regulations, and classroom procedures that are implemented to improve the lives of students classified as mildly intellectually delayed. Emphasis is placed upon IEP development, Para Educator training, cultural aspects, organizational skills, time-management, self-advocacy, as well as methods and techniques. Prerequisite(s): SPED 4123 and junior standing or above. This course and SPED 4773 replaces SPED 4673.

### **SPED 4773 - Procedures For Severe/Profound Mental Retardation**

This course will introduce and investigate the learning needs of children diagnosed with severe educational needs. It will include a study of the history, diagnosis, characteristics classification, ideology, legal regulations, and classroom procedures that are implemented to improve lives of students classified as severely mentally retarded. This course and SPED 4763 replace SPED 4673. Prerequisite(s): SPED 4123.

### **SPED 4842 - Curriculum Development Mild/Moderate Disability**

This course is designed to teach skills necessary to design a program for students functioning at mild- moderate levels of emotional/behavioral disorders, learning disabilities, mental retardation, and developmental

disabilities from ages birth to death. The priority academic student skills core curriculum, counseling techniques, transition programs, and parent involvement training/behavior management programs will be studied to meet specific needs of Oklahoma school districts. Collaboration and communication strategies will also be studied in depth. Prerequisite(s): SPED 4123.

### **SPED 4852 - Curriculum Development Severe/Profound Disability**

This course will cover in detail integrated instructional settings, family interactions IEP, IFSP Development, collaborative planning, effective behavioral supports, related services, functional independent living skill acquisition, cultural issues for children preschool to adulthood, who are taught in the public schools. Prerequisite(s): SPED 4123.

### **SPED 4900 - Practicum In Special Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SPED 4910 - Seminar In Special Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SPED 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **SPED 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **SPED 4950 - Internship**

Credit will vary from 1 to 8 hours.

### **SPED 4960 - Institute In Special Education**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **SPED 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

## **STATISTICS (STAT)**

### **Department of Mathematics and Statistics**

#### **STAT 2000 - Topics In Statistics**

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

#### **STAT 2103 - Introduction to Statistics for Sciences**

This course is an introduction to statistical methods with an emphasis on scientific applications. Students will be exposed to descriptive statistics, probability, estimation methods, hypothesis testing, linear regression, and correlation. Credit cannot be earned for both STAT 2103 and STAT 2113. Prerequisite(s): MATH 1453 or MATH 1513 or high school Algebra II each with a minimum grade of "C".

#### **STAT 2113 - Statistical Methods**

Topics for this course include basic experimental statistics, methods of estimation, tests of significance, probability, linear regression, and correlation. Credit cannot be earned for both STAT 2103 and STAT 2113. Prerequisite(s): MATH 1453 or MATH 1513 or high school Algebra II each with a minimum grade of "C".

#### **STAT 3000 - Workshop In Statistics**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**STAT 3213 - Fundamentals of Data Science**

Data Science is an interdisciplinary field focusing on the computational analysis of data to extract knowledge and insight. This course introduces the student to the collection, preparation, analysis, modeling, and visualization of data, covering both conceptual and practical issues. Examples from diverse fields will be presented, and hands-on use of statistical and data manipulation software will be included. Prerequisite(s): CMSC 1613 and STAT 2113 both with a grade of C or better.

**STAT 3990 - Advanced Topics In Statistics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 4103 - Applied Experimental Design**

Topics for this course include basic concepts of experiments and experimental error, analysis of variance of one-, two-, and three-way classification, analysis of covariance, and nested and incomplete block designs. Prerequisite(s): STAT 2113 with a minimum grade of "C".

**STAT 4113 - Mathematical Statistics 1**

This course covers probability distributions, expected values, moments, sampling distributions, and point estimation. Prerequisite(s): MATH 2343 with a minimum grade of "C".

**STAT 4123 - Mathematical Statistics 2**

This course builds upon the foundation of probability begun in Mathematical Statistics 1, and continues the study of the theory and application of Probability and Statistics, with the emphasis placed on Statistics. The course includes the study of the distributions of functions of random variables, sampling distributions, properties of estimators including efficiency and the Cramer-Rao Inequality, consistency, sufficiency, and maximum likelihood methods. Other course topics include the theory and application of confidence interval estimation, hypothesis testing and the Neyman-Pearson Lemma. Successful completion of Mathematical Statistics 2 provides the student with the necessary requisites and background to enter more advanced and specialized courses in Statistics, as well as other academic fields. Prerequisite(s): STAT 4113 with a minimum grade of "C".

**STAT 4213 - Applied Regression Analysis**

Topics for this course will include multiple regression, logistic regression, survival analysis, proportional hazard models, and time series analysis. Data will be analyzed using SAS. Prerequisite(s): STAT 2113 with a minimum grade of "C".

**STAT 4253 - Computer Applications In Statistics**

This course will include programming techniques, data organization, selection and interpretation of statistical tests as applied to R or other equivalent software. Prerequisite(s): STAT 2113 with a minimum grade of "C".

**STAT 4313 - Nonparametric Statistics**

This course will introduce students to alternatives to normal-theory statistical methods including rank-based methods, permutation tests, and bootstrap methods. Data will be analyzed using SAS and/or R. Prerequisite(s): STAT 2113 with a minimum grade of "C".

**STAT 4353 - Probability Theory**

This course provides the student with a thorough treatment of the mathematical structure and application of probability. Topics include principles of combinatorics, the fundamentals of probability, conditional probability and independence, random variables, mathematical expectation, generating functions, the Weak and Strong Laws of Large Numbers, and the Central Limit Theorem. Emphasis will be placed upon building a strong foundation for the more advanced study of probability and statistics. Prerequisite(s): MATH 2333 with a minimum grade of "C".

**STAT 4413 - Data Visualization & Exp**

This course focuses on key design principles and techniques for interactively visualizing data. The major goals of this course are to understand

how visual representations can help in the analysis and understanding of complex data, how to design effective visualizations, and how to create interactive visualizations using SAS and Tableau. A group project will incorporate both theory and application. Prerequisite(s): STAT 2113 with a grade of C or better or permission of instructor. Sophomore standing or above.

**STAT 4513 - Statistical Consulting**

In this course, students will provide statistical consulting services to clients from the community. Students will be working on-site, meeting with the clients, developing statistical questions, and collecting data. They will then analyze the data and prepare both written and oral reports to be given to the clients. Prerequisite(s): STAT 4103 or 4213 or 4253 or 4313 each with a minimum grade of "C".

**STAT 4533 - Data Mining & Stat Learning**

This course will expose students to modern data analysis techniques for regression, classification, and unsupervised learning. Students will apply machine learning algorithms to real-world data using the R programming language. Selected topics include: penalized regression, regression splines, decision trees, support vector machines, principal components analysis, and clustering. Prerequisite(s): STAT 4213 with a minimum grade of "C" or permission of the instructor.

**STAT 4900 - Practicum In Statistics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 4910 - Seminar In Statistics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 4920 - Workshop In Statistics**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**STAT 4930 - Individual Study In Statistics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 4950 - Internship In Statistics**

Credit will vary from 1 to 8 hours.

**STAT 4960 - Institute In Statistics**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**STAT 4970 - Study Tour In Statistics**

Credit will vary. Subject matter will vary within the department's field of study.

## TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

### Department of Curriculum and Instruction

**TESL 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**TESL 3000 - Workshop**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of 'P' or 'F' is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**TESL 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**TESL 4113 - Teaching English as Second Language**

This course provides the theoretical and practical foundations for teaching English as a second language. Upon completion, students will demonstrate a proficiency in utilizing ESL methodology, managing an ESL classroom and in developing and adapting supplementary materials for ESL instruction. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4113.

**TESL 4123 - Foundations Of Bilingual/Multicultural Education**

This course provides an overview of the history, philosophy and theoretical framework of bilingual/multicultural education, including the legal aspects of federal and state involvement. The purposes, instructional models, and populations served by bilingual education will be examined. Upon completion students will be able to discuss the issues concerning the development, the effectiveness, current trends, and future projections for bilingual/multicultural education programs in the U.S. Students will also develop a personal educational philosophy regarding cultural and linguistic diversity. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4123.

**TESL 4133 - One- & Two-way Language Immersion**

This course is designed to provide knowledge of current trends, methods, strategies and resources related to instructional issues and practices in one-way and two-way language immersion programs. Upon completion, students will demonstrate proficiency in designing and adapting materials for immersion classrooms, and planning and implementing instruction that promotes additive bilingual proficiency across the curriculum. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4133.

**TESL 4143 - Literacy Dev for English Lrnrs**

In this course, students will examine basic theoretical and research-based considerations for elementary and secondary English learners' development. Topics will include literacy development, second language acquisition, instructional materials, strategies, resources, and the role of assessment information in the teaching/learning process. Upon completion, students will demonstrate understanding and application of assessment-based instruction, including a variety of techniques for developing literacy skills in English as a new or second language. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4142.

**TESL 4163 - ESL In Content Areas**

This course will provide a rationale for cultural and linguistic considerations in content area instruction for students who are limited English proficient. Different approaches and specific techniques for teaching English as a second language, in content areas will be examined, specifically in social studies, science, and math. Upon completion, students will demonstrate an ability to design curriculum which integrates content area processes and ESL methodology. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4162.

**TESL 4203 - Second Language Acquisition**

This course will provide an extensive review of research and literature in the field of second language acquisition. Students will examine the developmental nature of second language proficiency and the various factors that influence the process. Prerequisite(s): Junior standing and 15 hours of education or related courses. This course replaces ELED 4203.

**TESL 4212 - Cultural/Linguistic Diversity In Schools**

This course will examine the influence of cultural and linguistic diversity in the classroom on learning styles, behavior patterns and instructional content. Theoretical and practical considerations for synthesizing multicultural curriculum design with language and concept development will be explored. Upon completion students will be able to utilize techniques and strategies that promote cross-cultural awareness and understanding

and academic achievement for all students in multilingual, multicultural classrooms. Prerequisite(s): Junior or senior standing.

**TESL 4222 - Teaching ELL in Grades PreK-8**

In this course, students will examine both the theoretical and research-based, constructivist practices for teaching English language learners (ELLs) in early childhood and elementary mainstream classrooms. Upon completion students will understand the challenges faced by ELLs culturally, linguistically, and academically, and will be able to design and implement effective, developmentally-appropriate, instructional adaptations of grade-level content for students at various levels of language proficiency. Prerequisite(s): PTE 3023 with junior or senior standing.

**TESL 4232 - Teaching Secondary English Language Learners**

In this course, students will examine both the theoretical and research-based, practical perspectives for teaching English language learners (ELLs) in secondary mainstream classrooms. Upon completion students will understand the challenges faced by ELLs culturally, linguistically, and academically, and will be able to design and implement effective instructional adaptations of grade-level content for students at various levels of language proficiency. Prerequisite(s): PTE 3023 with junior or senior standing.

**TESL 4313 - Testing/Evaluation In The Bilingual/ESL Classroom**

This course will examine the issues and concerns of language and achievement assessment in bilingual education and English as a second language programs. Various standardized tests will be reviewed and analyzed. Principles and techniques of teacher-made tests construction will be studied and applied in the development of an original assessment instrument. Prerequisite(s): Junior standing, TESL 4113 or 4143 or 4163.

**TESL 4413 - Language Structure For ESL Teachers**

This course provides practical as well as theoretical information related to the fundamentals of the structure of language as it pertains to the teaching and learning of English language learners. Students will be able to apply their understanding of the underlying processes of the ability to produce and interpret oral and written language by developing and analyzing teaching strategies and materials for second language learners. Prerequisite(s): Senior standing.

**TESL 4900 - Practicum**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**TESL 4910 - Seminar**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**TESL 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**TESL 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**TESL 4950 - Internship**

Credit will vary from 1 to 8 hours.

**TESL 4960 - Institute**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**TESL 4970 - Study Tour**

Credit will vary. Subject matter will vary within the department's field of study.

**THEATRE ARTS (THRT)**  
**Department of Theatre Arts**

**THRT 1001 - Performance Lab**

Performance Lab is designed for Theatre Arts Performance majors to earn course credit for work in faculty- directed productions and track the development of students in the BFA Performance degree program. BFA Performance majors are required to complete four credit hours of Performance Lab. This course may be taken four times for credit.

**THRT 1311 - Production and/or Performance: Scene Shop**

In this course students will participate in the production and/or performance of current semesters' CFAD presentations. Students will be assigned to work in the Scene Shop area. This course may be repeated up to eight hours for credit.

**THRT 1313 - Introduction To Theatre**

This course is designed to introduce the student to a brief history of the theater and the functions of the playwright, actor, director, producer, critic and technical theatre designers. It includes a look at contemporary theatre in America, and the course will help develop an appreciation and understanding of the theatrical experience.

**THRT 1321 - Production and/or Performance: Costume Shop**

In this course students will participate in the production and/or performance of the current semesters' CFAD presentations. Students will be assigned to work in the Costume Shop area.

**THRT 1331 - Production and/or Performance: Electric Shop**

In this course students will participate in the production and/or performance of the current semesters' CFAD presentations. Students will be assigned to work in the Electric Shop area.

**THRT 1341 - Production and/or Performance: Sound Shop**

In this course students will participate in the production and/or performance of the current semesters' CFAD presentations. Students will be assigned to work in the Sound Shop area.

**THRT 1361 - Production Practicum-Tier 1**

In this Tier 1 course, the student will be assigned a Tier 1 crew position such as run-crew or board-operator. These positions are available in either the Scenic, Costume, Electric or Sound shops. Students will be provided the appropriate training and resources in order to carry out their production related directives. Students must attend required rehearsals, performances and upon production related due dates.

**THRT 1513 - Beginning Acting**

Beginning Acting introduces students to the fundamentals of acting. Students will identify and practice a range of acting techniques, in an effort to develop artistic and inter-personal skills. Additionally, the course explores methods of achieving and maintaining health and wellness. Credit cannot be earned for both THRT 1513 and THRT 1523.

**THRT 1523 - Beginning Acting For Majors**

Designed for the beginning actor with prior on-stage experience, this course explores the physical, vocal, emotional, and technical aspects of the actor's craft in depth, as a beginning preparation for further study. Credit cannot be earned for both THRT 1513 and THRT 1523. Prerequisite(s): Enrollment open to Theatre Arts, Music Theatre or Dance Education majors only.

**THRT 1553 - Foundations of Theatre Arts**

Foundations of Theatre Arts introduces incoming freshman and transfer students to the BFA degree programs in Performance, Design/Tech, and Theatre Education at UCO. Designed as a foundational course for all Theatre majors, the curriculum addresses the expectations, principles, and procedures for successful matriculation into the Department of Theatre Arts.

**THRT 1613 - Voice and Movement 1**

Voice and Movement 1 is the fundamental, laboratory course familiarizing the actor with proper breathing, resonance and articulation. Students will engage in floor exercises and theatre games to relax the body, eliminate accumulated posture and breathing dysfunctions and begin practicing appropriate support for a stage worthy vocal instrument. Prerequisite(s): Enrollment open to Theatre Arts and Music Theatre majors only.

**THRT 2000 - Topics in Theatre Arts**

Credit will vary from 1 to 5 hours. Subject matter will vary within the department's field of study.

**THRT 2013 - Elements of Communication I**

This is an introductory communication education class for Theatre/Communication Education students. It emphasizes concepts within the areas of communication theory, interpersonal communication, public communication and other elements related to communication that would be taught within a secondary education classroom. Prerequisite(s): MCOM 1113 and sophomore standing or above. Enrollment open to Theater/Communication Education majors only.

**THRT 2113 - Performance of Literature**

This course is an introductory study and practice in oral performance of literature with emphasis on the following elements: recognizing and selecting worthwhile literature; utilizing audience analysis; conducting literary analysis; adapting literature for performance purposes; writing introductions; practicing technical skills for delivery; performing literature; and evaluating performances of literature. Prerequisite(s): Sophomore or above standing.

**THRT 2123 - Stage Make-up**

This course is designed to acquaint students with the purpose, principles, practices and materials of stage make-up. The course covers straight and character make-up, national types, fantasy types, and the application of hair, latex and other make-up elements. Main emphasis will be on actual practice. Prerequisite(s): Sophomore standing or above.

**THRT 2133 - Stage Lighting**

This course is designed to introduce the student to the theory and practice of stage lighting. Specific concepts include: light, stage lighting equipment, terminology, control systems, basic electrical theory, color theory, basic organizational paperwork, and the practice of effective lighting design.

**THRT 2153 - Stagecraft**

Designed to introduce the student to the technical aspects of theatre, this course includes learning about backstage materials and the construction of theatrical sets and stage properties in an effort to better appreciate the theatrical experience.

**THRT 2163 - Sound Technology for Theatre**

This course is an introduction to the tools used in the field of theatrical sound design and reinforcement. It is the foundation course for further study in sound design. The topics covered will include acoustic fundamentals, sound reinforcement systems, intercom communication systems and digital audio editing. Prerequisite(s): Sophomore standing or above.

**THRT 2173 - Stage Costume**

This course is a study of the historical styles, methods, movement and dramatic analysis in stage costumes as applied to contemporary practice. Includes learning basic costume and sewing techniques through experience in the costume shop.

**THRT 2233 - Voice and Movement 2**

Voice and Movement 2 continues to examine the disciplines and practices introduced in Voice and Movement 1. The primary focus is now controlling and using resonance to enhance expressive intona-



tion. Group work is introduced for more physical control and text analysis is introduced with specific emphasis on vocal interpretation. Prerequisite(s): THRT 1613.

### **THRT 2243 - Scene Painting**

This course will introduce the student to the principles, theories, processes, and materials that are used for painting stage settings and properties for the theatre, television, film, and other media. The students will be taught the techniques for using and maintaining basic painting tools. Safety procedures will also be emphasized. The student will discover color principles in several painting projects. Prerequisite(s): THRT 2153.

### **THRT 2253 - Stage Projection Technology**

This course introduces students to the equipment and software utilized by projection designers in the entertainment industry to create visual media and special lighting effects for theatrical productions, concerts, and events. Students will collaborate to create fully realized projections while integrating and applying interdisciplinary design concepts.

### **THRT 2303 - Script Analysis**

This course will enable students to acquire the basic techniques of reading and thoroughly analyzing the play script as the foundation for their interpretive creative work. Topics included in the course content are dramatic structure, character, genre and style. Students will complete a full analysis of a play script based upon specific weekly exercises, lectures and readings. Prerequisite(s): Enrollment open to Theatre Arts majors only.

### **THRT 2313 - Stage Combat**

This course will introduce the student to techniques that can safely create the illusion of a fight in live theatre. These include hand to hand combat and sword fighting, broadsword, shield, rapier, and dagger fighting and other stage weapons most commonly used in Classical theatre. Prerequisite(s): THRT 1513 or 1523.

### **THRT 2353 - Rendering for Theatre**

This is a lecture and laboratory experience through which the student employs a variety of rendering materials and techniques conducive to the visual communication of design ideas. Foundational exercises will be applicable to all areas of design while later projects allow opportunity for specialization to the student's particular field of study. Materials used in this course include but are not limited to pencils, charcoals, watercolor and gouaches. Exercises practiced in this course include but are not limited to sketching, painting and the realistic and stylized rendering of light.

### **THRT 2361 - Production Practicum-Tier 2**

In this Tier 2 course, the student will be assigned a Tier 2 position which will require the student to train, supervise and serve with a run-crew or be assigned a specific production assignment in either the Scenic, Costume, Electric, Sound shops or the Stage Management area. Students will be responsible for generating the appropriate paperwork so that the run-crew and/or production team can implement their production related directives. Students must attend required rehearsals, performances and upon production related due dates. Prerequisite(s): THRT 1361.

### **THRT 2373 - Costume Construction**

This course is an introduction to the skills used by a costume technician. It is a foundation course for further study in Costume Design. This course will focus on training the costume technician in the basic skills that are used in any costume shop.

### **THRT 2423 - Argumentation and Debate**

Argumentation and Debate teaches students critical thinking and argument-construction skills. Students will engage in a series of written and oral arguments that will enhance their strategic argumentation skills, and they will learn to apply those skills in a variety of settings. Students will also learn how to prepare for secondary school activities of Lincoln-Douglas, policy, public forum, and legislative debate as well as how to

prepare for intercollegiate debate competitions. Prerequisite(s): ENG 1113 and 1213.

### **THRT 2513 - Competitive Oral Interpretation**

This course will explore the components of competitive oral interpretation that is used on the intercollegiate competitive speech level and on the secondary level including humorous interpretation, dramatic interpretation, prose, poetry, oratory and poetry oral interpretation. Prerequisite(s): THRT 2113

### **THRT 2613 - Intermediate Acting**

This course is an intensive study of character approach and development with special emphasis on scene work designed to strengthen the actor's ability to believably create a character within a scene. Prerequisite(s): THRT 1523 or 1513. Enrollment open to Theatre Arts and Music Theatre majors only.

### **THRT 2643 - Shakespeare in Performance**

This course is designed to provide students with an intensive study of performing Shakespeare on stage with special emphasis on verse and character analysis. Soliloquies and scenes will be developed and performed in class. Prerequisite(s): THRT 1513 or 1523, and THRT 2613, THRT 3583, and sophomore standing or above.

### **THRT 2743 - Computer Drafting for Theatre**

This is a lecture and laboratory experience through which the student employs software to aid in drafting, design and technical drawing for theatrical construction and design. The student will be able to produce plans for construction, scene designs and plots for lighting to contemporary industry standards.

### **THRT 2901 - Portfolio Seminar**

In this course students prepare, present and promote their talents primarily centered within the work created in Theatre Arts, Design and Technology. Students will create a resume, a specialized hard case portfolio and a digital portfolio. Portfolios will include completed and on-going designs, projects and class assignments. Students will display their portfolios and effectively articulate to the faculty and staff of the department the significance of the work included in the portfolio. Prerequisite(s): Sophomore standing or above.

### **THRT 3000 - Workshop In Theatre Arts**

Credit will vary from 1 to 6 hours. Subject matter will vary within department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **THRT 3013 - Elements of Communication II**

This is a communication education course for Theatre/Communication Education students. It emphasizes concepts within the areas of mass communication, group communication and other elements related to communication that would be taught within a secondary education classroom. Prerequisite(s): MCOM 1113 and THRT 2013 and sophomore standing or above. Enrollment open to Theatre/Communication Education majors only.

### **THRT 3113 - Technical Production**

This course introduces students to the technical direction process. Students will learn how to analyze a scenic design on paper and recreate it on the stage. Topics covered will include estimating costs, budgeting and purchasing materials, technical drafting, labor management, loading in a production and safety. Prerequisite(s): THRT 2153, 2743 and sophomore standing or above.

### **THRT 3133 - Set Design**

This course is a study of historical styles, methods, and dramatic analysis for the scene design as applied to contemporary practice. It includes learning basic drafting skills and developing design techniques through a series of creative projects. Prerequisite(s): THRT 2153, 2303 and 2743 with a minimum grade of "B".

**THRT 3142 - Stage Management**

This course will encompass the introductory skills required to successfully stage-manage a production. These skills include but are not limited to: rehearsal and performance management, creation and timely completion of time-sensitive production documents, smoothly running the technical rehearsals and performances. Prerequisite(s): THRT 2153 with sophomore standing or above.

**THRT 3151 - Stage Management Lab**

In this course the student will be a member of the Stage Management team for one of the Mitchell Hall productions. During this process the students will apply the skills and create the documents discussed in the Stage Management lecture course. The Stage Management Lab course requires significant evening and weekend time commitments. Prerequisite(s): THRT 3142 or concurrent enrollment.

**THRT 3163 - Dramatic Sound Design**

This course covers the process for creating sound designs for theatrical productions. Topics covered will include script analysis, music selection, creating sound effects, digital editing, recording and storytelling through sound. Prerequisite(s): THRT 2303 and 2163.

**THRT 3243 - Coaching Competitive Speech/Drama**

This course is a study of the strategies, objectives, and philosophy for speech, literature interpretation, and drama extracurricular activities in the secondary schools. Prerequisite(s): MCOM 1113 and THRT 2113 with a minimum grade of "C". Junior or senior standing.

**THRT 3252 - Coaching Competitive Debate**

This course is a study of strategies, objectives and philosophies for competitive debate activities in the secondary schools. Prerequisite(s): THRT 2423 with junior standing or above.

**THRT 3313 - Developing The Short Play**

This course will investigate principles of dramatic character structure, language and other aspects of the playwright's art through a sequence of specific, creative writing exercises. Students scenes will be performed, discussed and supplemented with lectures and readings, culminating in the student's creation of a short play. Prerequisite(s): Junior or senior theatre arts majors.

**THRT 3343 - Development of Drama**

Development of Drama is a survey of dramatic literature from antiquity to the present. The course examines a comprehensive list of plays in terms of content, style, and theme. Additionally, the course views each play as a benchmark in the history of theatrical performance, as well as contemporary and future stagings.

**THRT 3362 - Production Practicum-Tier 3**

In this Tier 3 course, the student will assist a member of the production team in the development, implementation and documentation of a significant and sufficiently challenging technical or design element required for a live theatrical performance. The Head of the Design and Technology program will provide final approval of assignments and other considerations. Prerequisite(s): THRT 2743 with junior standing or above. Enrollment open to Theatre Arts-Design and Technology majors only.

**THRT 3413 - Period Styles 1**

This course provides a chronological study of the decorative styles of architectural and period culture from Pre-history through the Mannerist Period. This information is acquired through lecture/demonstration as well as intensive library research. The student is expected to evidence application of this knowledge in classroom design assignments in both scenic and property design. It is designed to produce critical thinkers who look at and participate in the world around them. Prerequisite(s): THRT 2133, 2153 and 2173 with a minimum grade of "B" and sophomore standing or above.

**THRT 3423 - Costume Design**

This course introduces the student to the technical skills and artistic vision that comprise the process of designing costumes for a range of theatrical styles and genres. The emphasis is on text and character analysis as well as library research. Skills such as basic drawing and other visual options are offered as ways of improving collaborative communication. The in-class exercises culminate in a final design project embracing a complete production's costume renderings accompanied by appropriate research and written materials. Prerequisite(s): THRT 2173, 2303 and 2901 with a minimum grade of "B" and sophomore standing or above.

**THRT 3433 - Period Styles 2**

This course provides a chronological study of the decorative styles of architectural and period culture from the Mannerist Period through the present. This information is acquired through lecture/demonstration as well as intensive library research. The student is expected to evidence application of this knowledge in classroom design assignments in both scenic and property design. It is designed to produce critical thinkers who look at and participate in the world around them. Prerequisite(s): THRT 2133, 2153, 2173 and sophomore standing or above.

**THRT 3463 - Production Practicum-Tier 4**

In this Tier 4 Elective course, the student will serve as a member of the production team in the development and implementation of a significant and sufficiently challenging technical or design element required for a live theatrical performance. The Head of the Design and Technology program will provide final approval of assignments and other considerations. Prerequisite(s): THRT 2743 and THRT 3362 with junior standing or above. Enrollment open to Theatre Arts-Design and Production majors only.

**THRT 3513 - Voice, Speech, and Dialect**

Voice, Speech, and Dialect is a studio course designed to explore a wide range of vocal techniques for the purpose of performance, including the fundamentals of developing a stage dialect. The course is focused on improving vocal clarity, expressiveness and projection, as well as building vocal confidence both on and off stage. Prerequisite(s): THRT 1523 and 1553. Enrollment open to Theatre Arts majors with sophomore stand or above.

**THRT 3543 - Lighting Design**

This course explores the steps in the lighting design process and how effective lighting enhances the quality of a realistically styled theatrical production. This is achieved through the student's effective use of the terminology, instrumentation, equipment, and software programs such as Vectorworks and Lightwright. To support the student's ability to recognize and describe the characteristics and qualities of light, students create lighting journals that document their skills in this area. The projects and journals from this course will be compiled so that they may be effective portfolio pieces that promote their talents. Prerequisite(s): THRT 2133, 2303, and 2743 (or concurrent enrollment) with a minimum grade of "B" and sophomore standing or above.

**THRT 3563 - Audition Techniques**

In this course, students will develop their acting expertise within the parameters of an audition. Included will be the preparation of contemporary and Classical monologues for use at professional theatre, film and television auditions, as well as for entry into graduate school MFA programs. Prerequisite(s): THRT 1523, 2613, 3583 and senior standing. Enrollment open to Theatre Arts majors only.

**THRT 3583 - Improvisational Acting**

This course is designed to provide an intensive study of the theories, principles and techniques of improvisational acting. This study will culminate in a public performance. Prerequisite(s): THRT 1513 or 1523.

**THRT 3633 - Voice and Movement 3**

The lab course continues the progression of voice and movement training for the theatre performance major. The students will continue improving

their alignment, vocal quality, and breathing. They will also be introduced to period movement. Prerequisite(s): THRT 1613 and 2233 and sophomore standing or above. Enrollment open to Theatre Arts majors only.

### **THRT 3723 - Professional Company Experience**

This course is designed to enable students to experience supervised hands-on training in the production and/or performance of theatrical presentations at professional and semi-professional theatres. It may be repeated 3 times (maximum total of 4 times) for credit. Prerequisite(s): Written permission of the instructor.

### **THRT 3733 - Hand Drafting for Theatre**

This course introduces fundamentals of drafting techniques and the artistic and mechanical conventions used in the drawings and plans for theatrical design. The student analyzes designs and communicates specific drafting and design problems in longhand techniques. Prerequisite(s): Sophomore standing or above.

### **THRT 3990 - Advanced Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **THRT 4313 - Advanced Set Design**

This course is the capstone event of a scene design student's process with the textual analysis, research, conception and execution of a complete stage design. The student will thoroughly analyze dramatic texts and articulate and conceptualize design proposals as well as demonstrate artistic control of drawing, painting and various expressive mediums. Advanced model making is practiced as are the unique characteristics of thrust, in-the-round and proscenium stages. The student is expected to become fluent in the language of collaborative communication. Prerequisite(s): THRT 3133, (3413 or concurrent enrollment), and 2743 with a minimum grade of B. Junior or senior standing.

### **THRT 4323 - Advanced Lighting Design**

The Advanced Lighting Design course continues the exploration of the design process through the examination of conceptual and technical requirements of various genres and styles of productions. The student will explore in greater detail the textual analysis, historical and cultural research, documentation and budgetary constraints from completing multiple lighting design projects. This is achieved through the student's effective use of the terminology, instrumentation, equipment, and software programs such as Vectorworks and Lightwright. To support the student's ability to recognize and describe the characteristics and qualities of light, students create lighting journals that document their skills in this area. Students will complete a research paper that compares and contrasts the design aesthetics of two lighting designers of their choice. The projects, paper and journals from this course will be compiled so that they may be effective portfolio pieces that promote their talents. Prerequisite(s): THRT 3413, 3543 and 2743 with a minimum grade of "B" and junior or senior standing.

### **THRT 4333 - Advanced Costume Design**

This course is the capstone course of a costume design student's experience with the textual analysis, research, conception and execution of a complete costume design. The student will thoroughly analyze dramatic texts and specifically individual characters as well as demonstrate artistic control of drawing, painting and various expressive mediums. The student is expected to become fluent in the language of collaborative communication. Prerequisite(s): THRT 3413, 3423 and 3433 (or concurrent enrollment) with a minimum grade of "B" and junior or senior standing.

### **THRT 4353 - Theatre History I: Origin to Renaissance**

Theatre History I is a comprehensive survey on the origin and development of worldwide theatre traditions from ancient civilizations through the Renaissance. Emphasis is placed on the evolution of human performance, theatrical production and drama literature. Prerequisite(s): Junior or senior standing.

### **THRT 4363 - Theatre History II: Renaissance to Contemporary**

Theatre History II is a comprehensive survey on the development of worldwide theatre traditions from the late-seventeenth century to twenty-first century. Emphasis is placed on the cultural impact of theatrical performance and the evolution of dramatic genres, literature and styles. Prerequisite: junior or senior standing.

### **THRT 4513 - Advanced Improvisational Acting**

This course is designed to include intensive study of the theory, principles and techniques of improvisational acting, focusing on sketch comedy preparation and performance, and advanced improvisational concepts. This study will culminate in a public performance. Prerequisite(s): THRT 1513 or 1523 and 3583.

### **THRT 4623 - Acting Styles 1**

This course will provide students with an intensive study of various historical styles of acting ranging from the ancient Greeks to the theatre of the twentieth century. Monologues and scenes from various periods will be presented in class. Prerequisite(s): THRT 1523, 2613, 2643, and 3583. Junior or senior standing. Enrollment open to Theatre Arts - Performance majors only.

### **THRT 4633 - Acting On Camera**

This course is designed as an intensive study of the theories, principles and techniques of acting on camera for both television and film. Practical application of techniques will culminate in the development of each student's video record of the interviews, monologues and scenes prepared in class. Prerequisite(s): THRT 1513 or 1523.

### **THRT 4712 - Directing and Collaboration**

Directing and Collaboration is a studio course designed as an exploration into the aesthetics, principles, and techniques of theatre direction and creative collaboration. Emphasizing a hands-on approach, the course requires students to work as a company and produce a festival of short plays for public performance. Prerequisite(s): Senior standing. Concurrent enrollment in THRT 4731 is required. Enrollment open to Theatre Arts majors only.

### **THRT 4723 - Acting Styles 2**

In this course students will create and perform a variety of scenes, mini-plays, and monologues from a variety of non-realistic theatrical genres. Prerequisite(s): Junior standing or above and satisfactory completion of a formal jury required. Enrollment open to Theatre Arts majors only.

### **THRT 4731 - Directing and Collaboration Lab**

Directing and Collaboration Lab is a counterpart to the Directing and Collaboration studio course. In the lab, students will apply the aesthetics, principles, and techniques of theatre direction and creative collaboration in an effort to produce a festival of short plays for public performance. Prerequisite(s): Senior standing. Concurrent enrolment in THRT 4712 is required. Enrollment open to Theatre Arts majors only.

### **THRT 4812 - Irene Ryan Studio**

This course will prepare students selected as Kennedy Center American College Theatre Irene Ryan Acting Nominees and their partners to compete at the Region VI Festival.

### **THRT 4843 - Methods Of Teaching Speech/Drama/Debate**

The course will address problems and methods of teaching speech/drama/debate in the secondary schools. Prerequisite(s): Admission to Teacher Education program. Junior or senior standing.

### **THRT 4863 - Career Advancement/Recital**

This course provides the student with an in-depth study of career paths in theatre, television, film, and graduate school. Topics include auditions, photographs, resume preparation, professional unions, and interview strategies. Additionally, students will prepare material such as --a one person show, monologues, and/or scenes that will showcase their talent

in a final public performance that will be juried by the theatre faculty.  
Prerequisite(s): Senior standing. Enrollment open to Theatre Arts - Performance majors only.

### **THRT 4873 - Production Thesis**

In this capstone course the student will serve as a member of the production team in the development, implementation and documentation of a significant and sufficiently challenging technical or design element required for a live theatrical performance. The course is conducted in conjunction with a major production's design. Students will be assigned an advisor but are expected to accomplish a substantial amount of work independently. Students will participate in a post-production evaluation. The Head of the Design and Technology program will provide final approval of assignments and other considerations. Prerequisite(s): THRT 4313 or 4323 or 4333 with a minimum grade of "B" and junior or senior standing or above.

### **THRT 4881 - Exit Portfolio**

This capstone course guides the students towards the continuous refinement and successful presentation of a professional quality portfolio. Career goals, timelines and strategies are analyzed and clarified. Methods of improving interviewing techniques are work-shopped and implemented. At the end of the semester the students will present their final collection of work to members of the department. Prerequisite(s): THRT 4313 or 4323 or 4333 with a minimum grade of "B" and senior standing or above.

### **THRT 4900 - Practicum In Theatre Arts**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **THRT 4910 - Seminar In Theatre Arts**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **THRT 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **THRT 4930 - Individual Study**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

### **THRT 4940 - Field Study In Theatre Arts**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

### **THRT 4950 - Internship In Theatre Arts**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

### **THRT 4960 - Institute In Theatre Arts**

Credit will vary 1 to 8 hours. Subject matter will vary within the department's field of study.

### **THRT 4970 - Study Tour In Theatre Arts**

Credit will vary. Subject matter will vary within the department's field of study.

## **UNIVERSITY COLLEGE (UCOL) University College**

### **UCOL 2000 - Topics**

This course of study investigates current or emerging issues in a discipline.

### **UCOL 3000 - Workshop**

This brief intensive course of instruction examines selected topics relating to a technical or professional field. Workshops will use the grading mode of pass-fail (P/F).

### **UCOL 3990 - Advanced Topics**

This course of advanced study investigates current or emerging issues in a discipline.

### **UCOL 4900 - Practicum**

This course of study involves the supervised on/off-campus practical application of previously studied materials.

### **UCOL 4910 - Seminar**

This course of study is directed by a faculty member for providing and discussing information in groups not generally offered in the curriculum.

### **UCOL 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

### **UCOL 4930 - Independent Study**

This course involves research, directed reading, or other scholarly/creative work under the direction of a faculty member.

### **UCOL 4940 - Field Study**

This course is a directed study or research project in which a student applies principles or knowledge learned in a discipline.

### **UCOL 4950 - Internship**

This course provides an applied, supervised experience in a field related to the student's discipline, normally off campus in business, industry, academe, the arts or government.

### **UCOL 4960 - Institute**

This is a brief intensive course of instruction on selected topics relating to a technical or professional field. This course includes an evaluation of student learning through a project, paper, exam, etc.

### **UCOL 4970 - Study Tour**

Credit will vary. This course involves a travel component during which students are presented visual/real life examples of materials they are studying.

## **UNIVERSITY COURSES (UNIV) University Courses**

### **UNIV 1012 - Success Central**

This course assists students in transitioning to university life. The class acquaints students with techniques that encourage student success, improve and refine academic skills, and develop skills and attitudes needed to achieve educational and personal goals. Prerequisite(s): Enrollment open to freshmen only.

### **UNIV 2000 - Topics**

This course of study investigates current or emerging issues in a discipline.

### **UNIV 2012 - Success Strategies**

This is a required course for students with 30 or less credit hours on academic probation. "Success Strategies" will focus on self-evaluation and personal assessment to overcome problems and in developing stronger learning strategies for success in college. It will help identify reasons for experiencing academic difficulty and help students understand university policies and procedures. This course will assist students in development of goals, attitudes, and study skills needed to achieve academic success. Topics addressed will include: goal-setting, time management, study skills, effective writing skills, effective use of campus resources, and emphasis on personal responsibility. Prerequisite(s): Enrollment open to students with thirty or less credit hours newly placed on academic probation or freshman academic notice.

**UNIV 3000 - Workshop**

This brief intensive course of instruction examines selected topics relating to a technical or professional field. Workshops will use the grading mode of pass-fail (P/F).

**UNIV 3990 - Advanced Topics**

This course of advanced study investigates current or emerging issues in a discipline.

**UNIV 4900 - Practicum**

This course of study involves the supervised on/off-campus practical application of previously studied materials.

**UNIV 4910 - Seminar**

This course of study is directed by a faculty member for providing and discussing information in groups not generally offered in the curriculum.

**UNIV 4920 - Workshop**

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

**UNIV 4930 - Independent Study**

This course involves research, directed reading, or other scholarly/creative work under the direction of a faculty member.

**UNIV 4940 - Field Study**

This course is a directed study or research project in which a student applies principles or knowledge learned in a discipline.

**UNIV 4950 - Internship**

This course provides an applied, supervised experience in a field related to the student's discipline, normally off campus in business, industry, academe, the arts or government.

**UNIV 4960 - Institute**

This is a brief intensive course of instruction on selected topics relating to a technical or professional field. This course includes an evaluation of student learning through a project, paper, exam, etc.

**UNIV 4970 - Study Tour**

Credit will vary. This course involves a travel component during which students are presented visual/real life examples of materials they are studying.

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# Guide to the 2020/2021 Undergraduate Catalog

## The reference guide to the University of Central Oklahoma

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Mission Statement  
Leadership  
Transformative Learning  
Educational Philosophy  
Statement of Administrative Policy  
Accreditation and Degrees Offered  
Location, History, and Campus and Buildings  
Living Accommodations  
Academic Calendar

Inside is a wealth of information to help you make the most of your college experience at UCO.

The Catalog is a reference book organized in the major sections listed to the left. These are coded with thumb tabs for easy locating.

### • General info about UCO

### The People of UCO

Administration  
Academic Colleges and Departments  
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### • How to apply for admission to UCO

### UCO Admissions Information •

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### How to contact UCO

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