



UNDERGRADUATE CATALOG 20102011

University of Central Oklahoma

2010-2011 Undergraduate Catalog



Equal Opportunity Statement

In compliance with Title VI and Title VII of the Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of The Education Amendments of 1972, Sections 503 and 504 of The Rehabilitation Act of 1973, the Americans With Disabilities Act of 1990, the Family and Medical Leave Act of 1993, the Civil Rights Act of 1991, and other Federal Laws and Regulations, the University of Central Oklahoma does not discriminate on the basis of race, color, national origin, sex, age, religion, handicap, disability, or status as a veteran in any of its policies, practices or procedures; this includes but is not limited to admissions, employment, financial aid, and educational services.

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Welcome from the President

Let me welcome you to one of the most exciting and life-affirming times in your life as you engage yourself in this great adventure of learning and participation in campus life. There are tremendous challenges that come with our fast-paced, high-tech world, and UCO is dedicated to providing you with first-rate academic programs, talented and committed faculty, and rich cultural and social experiences that will help you achieve your professional and personal goals.

It is my wish that you experience your largest, fullest self—a person of intellectual passions and discipline, a person who honors diversity, a person who connects with community—as your aspirations for the future transforms into reality. The choices you make will determine the richness of your own life and will shape the world that has become the 21st century.

Congratulations on your recognition of the critical role education plays in your life journey. See you on campus!

A handwritten signature in black ink that reads "W. Roger Webb". The signature is written in a cursive, flowing style with a large, prominent loop at the end of the last name.

W. Roger Webb
President
University of Central Oklahoma



Welcome from the Provost

Welcome to your university, the University of Central Oklahoma

I am delighted that you plan to join the UCO learning community. You are making serious choices about your future and everyone at UCO is eager to assist you in meeting your educational goals. At UCO we have a distinguished and committed faculty and over 700 staff to ensure the quality of education you experience is the best it can be.

At UCO we promise to help 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. You have the opportunity to explore your interests, develop and refine your lifelong learning skills and habits and transform your leadership, critical thinking, community engagement and global competency skills.

We know that you have a busy life and that you may need classes at night or between semesters so UCO offers a wide range of hours and options that are outside of the traditional 16 week semester. To provide further flexibility you may access UCO programs and courses on the main campus in Edmond, the UCO Center at Rose State College, the Down Town College Consortium in Oklahoma City, on-line and by correspondence. UCO is also a member of Reach Higher Oklahoma, the degree completion program for those who already have college credit and want to come back and finish a degree.

Empowered and inspired by President Webb's creative leadership and his call for community, character and civility our thousands of dedicated faculty, staff and administration invite you to bring your dreams and aspirations to UCO. We are eager to match your commitment, diligence and persistence with our expertise, vision and sense of service. UCO exists to help you learn.

I look forward to seeing you on campus and, in a few short years, walking across the stage at commencement. A better life for you, your family, your community and the world begins at the University of Central Oklahoma.

A handwritten signature in black ink that reads "W Radke". The signature is fluid and cursive, with the first name "W" being particularly large and stylized.

William J. Radke
Provost and Vice President for Academic Affairs
University of Central Oklahoma

About UCO

Mission Statement

UCO exists to help student 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.

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.

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 is a holistic process that places students at the center of their own active and reflective learning experiences. All students at the University of Central Oklahoma will have transformative learning experiences in the following six core areas: discipline knowledge; leadership; research, creative and scholarly activities; service learning and civic engagement; global and cultural competencies; and health and wellness.

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 practices, 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 global societies.
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 have learned. 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 how to become productive, creative, ethical and engaged citizens.

Faculty and staff are expected to model and support student efforts towards those ends 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 contribute to the process. Students need the opportunity to show their talents and learn in ways that work for them. Then they can 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 by 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 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. Students must also learn the importance of the nexus between theory and practice.

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.

personnel action such as compensation, benefits, transfers, layoffs, return from layoffs, education, tuition assistance, recreation programs, and other appropriate programs.

No institutional policies are in effect at the University of Central Oklahoma that knowingly deviate, in wording or intent, from the above stated administrative policy. The University's Senior Legal Counsel/Affirmative Action Officer is responsible for compliance. For further information, contact the department at (405) 974-3377, or visit the office in the Lillard Administration Building, Room 114D.

Accreditation

The University of Central Oklahoma is accredited by the Higher Learning Commission/North Central Association of Colleges and Schools as a bachelor's and master's degree granting institution.

In addition, specialized accreditation is granted by:

- ABET
- the American Board of Funeral Service Education,
- the American Chemical Society,
- the American Dietetic Association,
- the American Speech - Language Association,
- the Association of Collegiate Business Schools and Programs,
- the Council for Interior Design Accreditation,
- the National Council for the Accreditation of Teacher Education,
- the National Association for the Education of Young Children,
- the National Council on Family Relations,
- National League for Nursing Accrediting Commission,
- the National Association of Schools of Music,
- the Oklahoma Board of Nursing,
- the Oklahoma Commission for Teacher Preparation, and
- the Professional Golfing Association of America.

Credits earned in courses taken in residence at the University of Central Oklahoma are normally transferable at full value to other accredited colleges and universities.

Statement of Administrative Policy

The president and staff of the University of Central Oklahoma reaffirm the policy as set forth in the previous statements of Compliance with Title VI and Title VII of The Civil Rights Act of 1964, Executive Order 11246 as amended, Title IX of The Education Amendments of 1972, Sections 503 and 504 of The Rehabilitation Act of 1973, the Americans With Disabilities Act of 1990 as amended, the Family & Medical Leave Act of 1993 as amended, the Civil Rights Act of 1991, and other Federal Laws and Regulations, that no discrimination on the grounds of race, color, religion, sex, age, national origin, handicap, disability, or status as a veteran will exist in any area of the university.

The policy statement further reaffirms commitment of continuing and expanding positive programs which will assure the strengthening of this policy not only to the legal requirements of compliance but also to further employment opportunities and promotions for all ages, minorities, veterans, handicapped individuals, and women. The president of the University of Central Oklahoma assures that this commitment will embrace the development and maintenance of our Affirmative Action Compliance Program which will involve necessary additional efforts with respect to the recruitment, selection, placement, termination, training, and promotions of all employees and with respect to

Degrees Offered

Associate of 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 Science

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 world-wide 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. Also available are competitive soccer fields, 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 is Oklahoma's state Capitol, the Oklahoma City Zoo, and the Science Museum Oklahoma. Then there's July 4 and 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.

Through the years, it has also been known as Central State Normal School, 1904-1918; Central State Teachers College, 1919-1938; Central State College, 1939-1970; and Central State University, 1971-1991.

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 Church. The university's landmark Old North is the state's first publicly-funded higher education building to hold classes, starting Jan. 13, 1893, in the partially completed structure.

Four years later, in 1897, the first graduating class - 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 Administration; Education and Professional Studies; Liberal Arts; and Mathematics and Science; along with the Jackson College of Graduate Studies.

Today's ever-growing campus serves more than 16,000 students on a 200-acre campus plus the university's Academy of Contemporary Music (ACM@UCO) in downtown Oklahoma City, UCO at Rose on the campus of Rose State College and its off-site UCO Jazz Lab in Edmond.

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.

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 and placement.

The **Lillard Administration Building**, occupied in the spring of 1963, contains the main administrative offices of the University including those of the President, Provost/Vice President for Academic Affairs, the Vice President for Administration, the Vice President for Information Technology, the Vice President for Student Services, 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.

The **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 a swimming pool, 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 Administration and was first occupied in the fall of 1962. A second building was added in 1983 and the two were connected in 1996.

Buddy's Cafeteria can serve a capacity of 1,200 students. Students housed in resident halls were served meals there for the first time in 1965-66.

The **Center for Outdoor Recreation** provides UCO students, faculty and staff, as well as community members plenty of 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 of Second Street just East of I-35 and features easy access to Lake Arcadia. The building houses a 'living' classroom to study water and wildlife conservation. Kayaking, canoe, and archery classes are taught at the facility.

The new **Center for Transformative Learning (CTL)** will open Fall 2010. This 33,000 square-foot building, located on the east side of campus will include 11 classrooms, faculty office space, a recital hall, an outdoor classroom and several unassigned or informal spaces to encourage what UCO calls "transformative learning." The CTL will also support 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; research, creative and scholarly activities; service learning and civic engagement; global and cultural competencies; and self awareness and healthy lifestyles.

The **Max Chambers Library** opened its doors to students in January 1969. 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 offices. A major addition was completed in 1997.

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 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 Alumni Association, the UCO Foundation, Inc., and the dean of the College of Fine Arts and Design.

The new **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. 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 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 of the College of

Liberal Arts. Complete with faculty offices and classrooms, it has two language laboratories and the Pegasus Theatre.

Mitchell Hall Theatre was dedicated June 29, 1926. It has recently been remodeled and seating expanded for performing arts productions.

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. It is temporarily closed for renovation.

The **President's House** residence, including a guest house, has over 7,000 square feet, and is located within a mile of the campus. The house was donated by an Edmond businessman and is symbolic of the sense of partnership between UCO and the Edmond community.

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, classrooms, the Edmond Language Institute, the Assessment Office, Academic Support Center, the Testing Center, Correspondence Studies, Distance Learning, Planning and Analysis Office, 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 **Stephenson Park Theatre**, provides nearly 3,600 square feet that will be primarily used for small performance activities for theatre and music.

Wantland Field and Stadium is home for the Bronchos football team. First used in 1965, Wantland Stadium underwent a \$16.0 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 **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 recreational facility totaling 57,140 square feet, the 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, 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's used today for initiation ceremonies, weddings, meetings and meditation.

Living Accommodations

University of Central Oklahoma Housing and Dining

Living on campus helps simplify life. By choosing to live on campus students have access to numerous opportunities to become involved in campus life, typically have higher GPA's than those who live off-campus, and make life-long friendships. The Housing & Dining program consists of professional, paraprofessional, and student staff who strive to provide a safe and secure living environment that enhances the educational experience of UCO students.

Housing & Dining at UCO works to provide a safe and secure home on campus with a variety of nutritious dining options, encourage community, promote diversity, provide leadership opportunities, enhance character, and connect students and faculty. Additionally, RA's and hall governments provide activities designed to meet new neighbors while building a community atmosphere within each residential facility. In addition to providing programs and activities for residential students, the Housing & Dining staff is a resource for information concerning housing and university processes and events. Student leadership opportunities are available through Housing student governments and Resident Assistant positions.

The Housing & Dining Office operates during regular university business hours 8:00 a.m. - 5:00 p.m. weekdays, (405) 974-2746. Housing staff members are available 24 hours a day, 365 days a year through a duty rotation.

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. Rooms in each facility are equipped with local telephone service, wireless internet, and basic cable. Residents must provide their own touch-tone phone. Each option features a fully-furnished room, with all utilities paid. There are two traditional residence halls with community bathrooms: West Hall (women) and Murdaugh Hall (men). UCO also offers three co-ed living options, University Suites (men and women) and University Commons (apartment style housing), and Central Plaza (men and women.). To be eligible for residence in university housing, an individual must be enrolled as a full-time undergraduate or graduate student at UCO.

Students in Central Plaza, 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 the all you can eat Buddy's with the brick oven pizza, salad bar, dessert case, and much more to the Starbuck's in the Nigh University Center, the dining options on campus are designed to meet the needs and tastes of our students. Central Plaza and University Suites also have dining venues in

the building for those that want to stay close to home and eat. Broncho Sports Grill in University Suites offers wings, burgers, fries, and a comfortable atmosphere. Central Plaza is home to an all you can eat cafeteria and Java Central, a coffee house featuring live music.

Murdaugh Hall is named for UCO's fourth president, Dr. E. D. Murdaugh, and houses approximately 290 men. Murdaugh's lobby is large and inviting with comfortable furniture throughout and cable TV. The recreation room, located in the adjacent lobby, contains snack machines, a pool table, and a ping-pong table. The hall also offers laundry facilities, a microwave oven, games, and a music room with a piano.

Rooms in Murdaugh Hall feature a sink and walk-in closets. Two large community baths per floor provide showers, bathtubs, and toilets. Murdaugh is conveniently located in the middle of campus and near Buddy's.

West Hall is a traditional, air-conditioned residence hall which can house 452 women. Six bathroom areas provide showers, bathtubs, toilets, and shampoo bowls. There are also laundry areas available for the residents. A lounge area features comfortable chairs, sofas, cable TV, a pool table, beverage/snack machines. As an alternative gathering place, the recreation room contains tables and chairs, and a ping-pong table. An enclosed patio area may be used for parties, dances, or sunbathing. West Hall is located on the northwest end of campus, near the W. Max Chambers Library and next door to Buddy's.

University Suites opened in the Fall of 2001 and houses approximately 302 students. Each unit features private phone lines for each resident, individual data ports, heat and air conditioning controls in each unit, movable furniture, and bunkable beds. The building contains a computer lab, mailboxes, TV lounge, elevator, vending machines, and the Broncho Sports Grill.

University Commons Apartments opened in the Fall of 1999. They consist of multiple buildings, which contain fully-furnished two-and four-bedroom apartments. Each apartment offers private bathrooms, bedrooms, a living room, kitchen and laundry space, with washers and dryers provided. The nearby Commons Clubhouse is a community building housing a large meeting/activity room, an information desk, staff office, computer lab, TV lounge, recreation room, vending room, and other amenities.

Central Plaza opened in 2005 as the newest option in housing on UCO's campus. As a converted hotel, Central Plaza offers unique amenities to the residents including a welcoming lobby area complete with a piano, an exercise room, bathrooms shared by two residents, wireless internet, cable TV, a coffee bar highlighted by flat screen TVs, and in-hall dining. The front desk at Central Plaza is open 24 hours and provides information, resources, and additional safety for the residents of Central Plaza. Central Plaza is located across 2nd Street from campus with pedestrian access to campus and a convenient stop for the Broncho Bus shuttle as well as close proximity to shopping areas.

Academic Calendar

Fall Semester 2010

Classes begin	August 23, 2010
Labor Day - No Classes	September 6, 2010
Fall Break - No Classes.....	October 21 - 24, 2010
Thanksgiving - No Classes	November 24 - 28, 2010
Fall Classes End.....	December 11, 2010
Fall Semester Finals.....	December 13 - 17, 2010
Fall Commencement.....	December 18, 2010
Christmas Break	December 22 - January 2, 2011

Spring Semester 2011

Classes begin	January 10, 2011
Martin Luther King Day - No Classes	January 17, 2011
Spring Break - No Classes	March 14 - 20, 2011
Spring Classes End	April 30, 2011
Spring Semester Finals	May 2 - May 6, 2011
Spring Commencement.....	May 6 - 7, 2011

Summer Semester 2011

Summer Semester and Block 1 Classes begin.....	June 1, 2011
Summer Block 1 Classes end.....	June 30, 2011
Summer Block 1 Final Exams	June 30, 2011
Summer Block II Classes begin.....	July 5, 2011
Independence Day - No Classes	July 4, 2011
Summer and Block II Classes end	July 28, 2011
Summer and Block II Final Exams.....	August 1 - 2, 2011

UCO Master Calendar

<http://calendar.uco.edu>

People of UCO



People of UCO

Administration

Oklahoma State Regents for Higher Education

Bill Burgess, Jr.	<i>Lawton</i>
Julie Carson	<i>Claremore</i>
James D. Harrel	<i>Leedey</i>
Michael C. Turpen	<i>Oklahoma City</i>
John Massey	<i>Durant</i>
Joseph L. Parker	<i>Tulsa</i>
William Price	<i>Tulsa</i>
Martin "Ike" Glass	<i>Newkirk</i>
Ronald H. White M.D.	<i>Oklahoma City</i>
<i>Chancellor, Dr. Glen Johnson</i>	

Regional University System of Oklahoma

Harold Jackson	<i>Chickasha</i>
Belva Howard	<i>Tulsa</i>
Joe Anna Hibler	<i>Weatherford</i>
Jan Gordon	<i>Broken Arrow</i>
Connie Reilly	<i>Okemah</i>
Michael W. Mitchel	<i>Alva</i>
Terry Matlock	<i>Garvin</i>
Mark Stansberry	<i>Edmond</i>
<i>Dr. Sheridan McCaffree, Executive Director</i>	
<i>Sandy Garrett, 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 -

Executive Officers

W. Roger Webb, J.D.	<i>President</i>
William J. Radke, Ph.D.	<i>Provost and Vice President, Academic Affairs</i>
Steve Kreidler, M.B.A.	<i>Executive Vice President, Administration</i>
Myron L. Pope, Ed.D.	<i>Vice President, Enrollment Management</i>
Kathryn Gage, Ph.D.	<i>Vice President, Student Affairs</i>
Cynthia Rolfe, Ed.D.	<i>Vice President, Information Technology</i>
Charles Johnson	<i>Vice President, University Relations</i>
Anne Holzberlein	<i>Vice President for Development</i>

Executive Committee

W. Roger Webb, J.D.	<i>President</i>
William J. Radke, Ph.D.	<i>Provost and Vice President, Academic Affairs</i>
Steve Kreidler, M.B.A.	<i>Executive Vice President, Administration</i>
Myron L. Pope, Ed.D.	<i>Vice President, Enrollment Management</i>
Kathryn Gage, Ph.D.	<i>Vice President, Student Affairs</i>
Cynthia Rolfe, Ed.D.	<i>Vice President, Information Technology</i>
G. Douglas Fox, J.D.	<i>Executive-in-Residence</i>
Charles Johnson	<i>Vice President, University Relations</i>
Anne Holzberlein	<i>Vice President of Development</i>

Office of Academic Affairs Administration

Dr. William J. Radke	<i>Provost and Vice President, Academic Affairs</i>
Dr. Patricia A. LaGrow	<i>Vice Provost and Associate Vice President, Academic Affairs</i>
Dr. Lori Beasley	<i>Assistant Vice President, Academic Affairs</i>
Mr. Kevin Freeman	<i>Interim Assistant Vice President, Professional and Distance Education, Academic Affairs</i>
Dr. Evelyn Wilson-Martin	<i>Assistant Vice President, Academic Policy and Curriculum, Academic Affairs</i>
Dr. Ed Cunliff	<i>Assistant Vice President, Planning and Analysis</i>

Academic Colleges - Departments

College of Business Administration

Dr. Michael Shirley*Dean*
 Dr. Timothy R. Bridges *Associate Dean*
 Dr. John Camey *Assistant Dean*
 Dr. Katherine Terrell *Accounting*
 Dr. Zhen Zhu *Economics and International Business*
 Dr. Randal Ice *Finance*
 Dr. Lisa Miller *Information Systems and
 Operations Management*
 Dr. K.J. Tullis *Management*
 Dr. Stacia Wert-Gray *Marketing*
 LTC Lance Newbold *Military Science*

College of Education and Professional Studies

Dr. James Machell*Dean*
 Dr. Bill Pink *Associate Dean*
 Dr. Donna Cobb *Assistant Dean*
 Dr. Pat Coutts *Advanced Professional Services*
 Dr. Paulette Shreck *Curriculum and Instruction*
 Dr. Kaye Sears *Human Environmental Sciences*
 Dr. Donna Cobb *Kinesiology and Health Studies*
 Dr. Candy Seibert *Occupational and Technology Education*
 Dr. Diane Jackson *Professional Teacher Education*
 Dr. Michael Knight *Psychology*
 Dr. Barbara Green *Special Services*

College of Fine Arts and Design

Dr. John Clinton*Dean*
 Dr. Gayle Kearns *Associate Dean*
 Ms. Charlene Weidell *Art*
 Ms. Jamie Jacobson *Dance*
 Mr. Larry Hefner *Design*
 Dr. Keith White *School of Music*
 Ms. Daisy Nystul *Theatre Arts*

College of Liberal Arts

Dr. Pamela Washington*Dean*
 Dr. Gary Steward, Jr. *Associate Dean*
 Dr. David Macey *English*
 Dr. Xiao-Bing Li *History and Geography*
 Dr. Theresa Vaughan *Humanities and Philosophy*
 Dr. Rozilyn N. Miller *Mass Communication*
 Dr. Hans Rudolf Nollert.. *Modern Languages, Literatures, and
 Cultural Studies*
 Dr. Louis Furmanski *Political Science*
 Dr. David Ford *Sociology and Substance Abuse Studies*
 Dr. Elaine Bartgis *School of Criminal Justice*

College of Mathematics and Science

Dr. John F. Barthell*Dean*
 Dr. Charles Hughes *Associate Dean*
 Dr. Wei Chen *Assistant Dean*
 Dr. Jenna Hellack *Biology*
 Dr. Cheryl Frech *Chemistry*
 Dr. Gang Qian *Computer Science*
 Dr. Angela Knight *Funeral Service*
 Dr. Charlotte Simmons *Mathematics and Statistics*
 Ms. Linda Rider *Nursing*
 Dr. Baha Jassemnejad *Engineering and Physics*

College of Graduate Studies

Dr. Richard Bernard*Dean*

Central Contacts

The University of Central Oklahoma is here to serve you! To reach any of the offices below, visit the building and room number listed, call by phone, or visit their web pages. The area code for all numbers is 405.

Academic Advisement Center

Nigh University Center 121, 974-2342
<http://www.uco.edu/registrar/advisement/>

Academic Support Center

Thatcher Hall 106, 974-2520
<http://asc.uco.edu/>

Admissions/Records Processing

Nigh University Center 126, 974-2338
<http://www.uco.edu/registrar/admit/Admissions.htm>

Athletics

Hamilton Field House 101, 974-2501
<http://www.bronchosports.com>

Barnes & Noble Campus Bookstore

Nigh University Center 210, 974-2736
<http://uco.bncollege.com/>

Bursar's Office

Nigh University Center 134, 974-2228

Campus Visits

Nigh University Center 126, 974-2610
http://www.uco.edu/psss/uco_psss/public/campus_tours/main.htm

Career Services

Nigh University Center 338, 974-3346
<http://careers.uco.edu/>

College of Business Administration

Business Building 100, 974-2426
<http://www.busn.uco.edu>

College of Education and Professional Studies

Education Building 213, 974-5701
<http://ceps.uco.edu>

College of Fine Arts and Design

Evans Hall 13, 974-3770
<http://www.camd.uco.edu/>

College of Liberal Arts

Liberal Arts 104B, 974-5540
<http://www.libarts.uco.edu/>

College of Mathematics and Science

Howell Hall 210, 974-2461
<http://mas.uco.edu/>

College of Graduate Studies

Nigh University Center 404, 974-3341
<http://www.uco.edu/graduate/>

Flex Education formerly Correspondence Education

Thatcher Hall 315, 974-2393
<http://www.uco.edu/cpde/flex.html>

Disability Support Services

Nigh University Center, NUC 305, 974-2549
http://www.uco.edu/disability_support/

Employment Services/Student Employment

Lillard Administration Building 204, 974-2366
<https://jobs.uco.edu/applicants/jsp/shared/frameset/frameset.jsp?time=1108751229741>

International Services

Nigh University Center 137, 974-2390
<http://www.uco.edu/ioffice/>

Max Chambers Library

Reference/Information Desk 974-2878, Main number, 974-3361
<http://library.uco.edu/>

Police Services

974-2345 or if an emergency 9-1-1
<http://administration.uco.edu/dps/>

Recruitment and Scholarships

Office of Undergraduate Admissions
Nigh University Center 126, 974-2727
New Student Orientation / Scholarships
<http://www.uco.edu/psss/>

Student Counseling Center

Nigh University Center 402, 974-2215
http://www.uco.edu/student_counseling/

Student Financial Aid Office

Nigh University Center 141, 974-2983
<http://www.uco.edu/finaid/>

Student Life

Nigh University Center 422, 974-2363
http://www.uco.edu/student_life/

Greek Life

http://www.uco.edu/student_life/greek

Multicultural Student Services

http://www.uco.edu/student_life/multicultural

Traditions

http://www.uco.edu/student_life/traditions/Traditions_index.html

Testing Center

Thatcher Hall 302, 974-2388
http://www.uco.edu/testing_services/

Transportation and Parking

Nigh University Center 309, 974-2780
<http://administration.uco.edu/parking/index.htm>

University of Central Oklahoma

974-2000
<http://www.uco.edu>

University Health Services

Mercy Clinic at UCO
Wellness Center (first floor), 974-2317
<http://ucohealthcenter.com/>

Veterans Affairs

Nigh University Center 121, 974-2578
<http://www.uco.edu/registrar/advisement/va/general.htm>

Weatherline (School Closings) Updated daily at 6 am, 974-2002

<http://www.uco.edu/resources/weatherline.html>

Wellness Center

Administrative Office: 974-3150
Front Desk: 974-3101
<http://www.uco.edu/wellnesscenter/wellnesscenter@uco.edu>

Full-Time Faculty

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

A

**Abu-Abed, Alaeddin, Assistant 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

**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

**Ait Moussa, Abdellah, Lecturer of Engineering and Physics,
College of Mathematics and Science – 2005**

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

**Albahadily, F.N., 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., Associate 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 Administration- 1975**

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

**Allen, Steve, Assistant Professor of Occupational and
Technology Education,**

College of Education and Professional Studies - 1996

B.S., University of Oklahoma, 1963; M.S., University of Oklahoma, 1973

**Allison, Jerry D., Professor of Information Systems and
Operations Management,**

College of Business Administration - 1992

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

**Alltizer, Richard, Assistant Professor of Accounting,
College of Business Administration – 2007**

B.S., Central State University, 1980; M.A., University of Oklahoma, 1990; Ph.D., University of Oklahoma, 1994

**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

**Anderson, Alana K., Instructor of Nursing,
College of Mathematics and Science – 2007**

B.S., University of Oklahoma Health Sciences Center, 2001; M.S., University of Oklahoma Health Sciences Center, 2007

**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 Administration – 2006**

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

**Arnold, Allen, Instructor of Finance,
College of Business Administration - 2004**

B.B.A., University of Central Oklahoma, 2001; M.B.A., University of Central Oklahoma, 2003

**Arnold, Barbara, Instructor of Nursing,
College of Mathematics and Science - 2001**

B.S., University of Central Oklahoma, 1995; M.S., University of Oklahoma Health Sciences Center, 2001

**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

**Ausmus, Martin, Emeritus Professor of English,
College of Liberal Arts- 1967**

B.S., Oklahoma Baptist University, 1954; M.A. University of Oklahoma, 1959; Ph.D., University of Oklahoma, 1967

B

**Bahouth, Saba B., Professor of Information Systems and
Operations Management,**

College of Business Administration - 1989

B.S., American University of Beirut, 1975; M.S., Vanderbilt University, 1981; Ph.D., University of Oklahoma, 1991

**Baird, Troy A., 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., 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, Assistant 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

**Barker, Deborah A., Professor of 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, Assistant Professor of Legal Studies,
College of Business Administration – 2006**

B.A., Cameron University, 1993; J.D., University of Arkansas School of Law, 1997

**Barnes, Karen L., Professor of Occupational and Technology Education,
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

**Bartgis, E. Elaine, Assistant Dean /Associate Professor of Criminal
Justice,**

College of Liberal Arts - 2004

B.A., University of Central Oklahoma, 1986; M.A., University of Central Oklahoma, 1988; Ph.D., University of Oklahoma, 1994

**Barthell, John F., Dean/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., 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., Assistant Vice President for Academic Affairs/
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 Administration- 1965**

B.S., Oklahoma State University, 1963; M.S., Oklahoma State University, 1964; Ed.D., University of Oklahoma, 1974; Certified Public Accountant

**Beeson, Ronald, Emeritus Associate Professor of Political Science,
College of Liberal Arts- 1989**

B.S., Texas Tech University, 1969; M.Ed., University of Central Oklahoma, 1972; Ed.D., Oklahoma State University, 1986

**Bennett, David H., Instructor of Mass Communication,
College of Liberal Arts - 2004**

B.S., Oklahoma State University, 1975; M.B.A., Oklahoma City University, 1993

**Berger, Elizabeth, Emeritus Professor of Sociology and Criminal
Justice,**

College of Liberal Arts- 1968

B.A., Lindenwood Colleges, 1963; M.A., Washington University, 1965; Ph.D., Oklahoma State University, 1980

**Bergman, Thomas, Emeritus Associate Professor of Management,
College of Business Administration- 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, Associate 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

**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., Associate 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., Professor of Finance,
College of Business Administration - 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

**Bogner, Leonard A., Associate Professor of Occupational and
Technology Education,
College of Education and Professional Studies - 2007**

B.G.S., University of Kansas, 1993 ; B.S.T., Pittsburg State University, 1995; M.S.T., Pittsburg State University, 1998; Ed.D., University of Minnesota, 2007

**Bolf-Beliveau, Laura M., Assistant Professor of English
College of Liberal Arts – 2007**

B.S., Illinois State University, 1988; M.Ed., University of Illinois, Chicago, 1993; Ph.D., University of Oklahoma, 2008

**Boliver, David, Emeritus Associate Professor of Mathematics and Statistics,
College of Mathematics & Science- 1993**

B.A., Texas Tech, 1962; M.A., Rutgers University, 1966; Ed.D. Rutgers University, 1971

**Bost, Robert O., 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., 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 Department 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

**Bray, Christopher, Instructor of Occupational and
Technology Education,
College of Education and Professional Studies - 2007**

B.A., Brigham Young University, 1994; M.B.A., Oklahoma Christian University, 2003; Ph.D., University of Oklahoma, 2009

**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., Assistant 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

**Brewster, James, Emeritus Professor of Management,
College of Business Administration- 1982**

B.S.Ed., Arkansas Tech University, 1949; M.S., University of Arkansas, 1951; Ed.D., George Washington University, 1972

**Bridge, David S., 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, Associate Dean/Professor of
Information Systems and Operations Management,
College of Business Administration - 1999**

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

**Bristow, Donald G., 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

**Broadwell, Barbara, Assistant Professor of Art,
College of Arts, Media , and Design, 2006**

B.F.A., Sonoma State University, 1998; M.F.A., San Diego State University, 2002

**Brodnax, Mary M., 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., 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, Associate 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., Professor of Professional Teacher Education,
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

**Brown, Kenny L., 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, Lee Ann, Lecturer of Mathematics and Statistics,
College of Mathematics and Science – 2003**

B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1995

**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., 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

**Bryan, Kimberly A., Instructor of Nursing,
College of Mathematics and Science – 2009**

B.S.N., Regis University, 1998; M.S.N., Southern Nazarene University, 2007

**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

**Buchanan, Merry, Associate 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

**Buchanan, F. Robert, Assistant Professor of Management,
College of Business Administration – 2007**

B.S., California State University, 1994; M.B.A., California State University, 1995; Ph.D., University of Texas at Arlington, 2006

**Burkey, Chris H., Professor of Funeral Service,
College of Mathematics and Science - 1993**

B.S., University of Central Oklahoma, 1978; M.Ed., University of Central Oklahoma, 1992; Ed.D. Oklahoma State University, 2002

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

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

**Butterfield, Emily J., Assistant Professor
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 Administration, 1961.**

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

**Byrne, Jesse W., 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., 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, 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 Administration- 1981**

B.S.Ed., Drake University, 1961; M.A., University of Kansas, 1967; Ed.D., Northern Illinois University, 1982

**Calvert, Phoebe Jane, Assistant Professor of Accounting,
College of Business Administration - 1984**

B.S., Oklahoma State University, 1980; Master of Accountancy, University of Oklahoma, 1984; Certified Public Accountant

**Camey, John P., Assistant Dean, Director of Undergraduate Program and Assessment/Professor of Marketing,
College of Business Administration - 2000**

B.S., University of Maryland, 1980; M.B.A., Oklahoma City University, 1986; Ph.D., University of Oklahoma, 1997

**Campbell, Tim, Professor of Curriculum and Instruction,
College of Education and Professional Studies - 1993**

B.S., University of Central Oklahoma, 1978; M.A., Southern Nazarene University, 1985; Ed.D., Oklahoma State University, 1990

**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

**Carlson, Donna, Professor of Business Communication,
College of Business Administration - 2001**

B.S., Iowa State University, 1974; M.A., University of Denver, 1977; Ph.D., University of Denver, 2001

**Carlstone, Darry, Emeritus Professor of 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, 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

**Cassel, Darlinda G., Assistant 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

**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

**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

**Chappell, Brenda A., Instructor of Sociology,
College of Liberal Arts – 2002**

B.A., University of Central Oklahoma, 2000, M.A., University of Central Oklahoma, 2002

**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, Wei, R., Assistant Dean/Professor of Engineering and Physics,
College of Mathematics and Science - 2001**

B.S., Shandong University, Jinan, China, 1982; M.S. and Ph.D., University of Oregon, 1988

**Cheng, Joselina, Assistant Professor of Information Systems and
Operations Management,**

College of Business Administration – 2002

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

**Chew, Rick, Associate 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

**Childs, Jamie, Lecturer, Humanities and Philosophy,
College of Liberal Arts - 2005**

B.A., University of Oklahoma, 1972; M.A., University of Oklahoma, 1987; Ph.D., University of Oklahoma 2004

**Chooback, Lilian, Assistant 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., Lecturer of Substance Abuse Studies,
College of Liberal Arts - 2003**

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

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

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

**Clark, Terry M, 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, Associate 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

Clinton, John E., 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, Director of Graduate Programs/Professor of Management,
College of Business Administration – 2006**

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

**Cobb, Donna S., Assistant Dean/Chairperson/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/Associate 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 Burgsburro, 1966; M.S., North Carolina State Raleigh, 1968

Collins, Edward C., Emeritus Professor of 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, Assistant Professor of 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, Associate 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

Connelly, Shirley, Emeritus Assistant Professor of Nursing,**College of Mathematics and Science- 1972**

B.S., Saint Lewis University, 1957; M.S., University of Oklahoma, 1975

Cooper, Charles, 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

Cottle, Nate, Assistant Professor of Human Environmental Sciences,**College of Education and Professional Studies - 2008**

B.S. Brigham Young University, 1996; M.S. Brigham Young University of Texas at Austin, 2003

Couts, Patsy M., Chairperson/Professor of Advanced Professional 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, Instructor 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, Instructor 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

**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, Instructor of Finance,
College of Business Administration – 1999**
B.B.A. University of Central Oklahoma, 1982; M.B.A. University of Central 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

**Curley, Robert D., Associate Professor of Economics,
College of Business Administration - 1984**
B.A., State University of New York College at Binghamton, 1966; M.A., University of Oklahoma, 1970; Ph.D., University of Oklahoma, 1980

**Currier, Susanne, Associate Professor of Economics,
College of Business Administration – 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

**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

**De Almeida, Isolete, Assistant Professor of Art,
College of Fine Arts and Design – 2005**
B.F.A., Oklahoma State University, 1983; M.S., Oklahoma State University, 1985; Ed.D., Oklahoma State University, 1994

**DeBolt, Darian, Associate 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, Professor of Economics,
College of Business Administration - 1991**
B.A., Universidad Autonoma de Nuevo Leon, 1972; M.A., Boston University, 1976; Ph.D., Clark University, 1988

**Dean, Chrystell F., Instructor of Nursing,
College of Mathematics and Science – 2007**
B.S.N., University of Central Oklahoma, 1982; M.S.N., University of Phoenix, 2004

**Dechter, James, Professor of Chemistry,
College of Mathematics and Science - 1994**
B.S., Carnegie Mellon University, 1970; Ph.D., University of California-Los Angeles, 1975

**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, Assistant Professor of Occupational and Technology Education,
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

**Dentlinger, Nancy, Associate 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

**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., Assistant Director of the Office of Research and Grants / 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 Administration- 1985**
B.S., University of Nebraska-Lincoln, 1958; M.S., Oklahoma State University, 1971; Ph.D., Oklahoma State University, 1975; Certified Public Accountant

**Dickson, Donna, Lecturer of Theatre Arts,
College of Fine Arts and Design – 2004**
B.F.A., University of Oklahoma, 1977; M.F.A., University of Oklahoma, 1982

**Dickson, Warren, Associate Professor of Information Systems and Operations Management,
College of Business Administration - 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

**Dolph, James, Lecturer of English,
College of Liberal Arts - 2006**
B.A., Northeastern State University, 1986, M.A., National Securities Studies, California State University 1989, M.A.in English, University of Central Oklahoma, 2002, M.A.in Drama, University of Oklahoma 2007

**Domanski, Chris, Associate Professor of Theatre Arts, Director of Technical Design,
College of Fine Arts and Design – 2003**
B.F.A., Wayne State University, 1998; M.F.A., Ohio University, 2003

**Donovan, A.D., Assistant Professor of Art,
College of Fine Arts and Design – 2003**
B.F.A., Louisiana Tech University, 1996; PGDipFA, University of Auckland, 1999; M.F.A., University of Texas at San Antonio, 2002

**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 Professor of Professional Teacher Education,
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

**Duke, Douglas, Emeritus Assistant Professor of Communication,
College of Liberal Arts- 1968**
B.A., Northeastern Oklahoma State University, 1960

**Duvall, Heather, Instructor of Business Communication
College of Business Administration – 2008**
B.A., Oklahoma State University, 2000; M.A., University of Oklahoma, 2002

**Dyer, Kristen C., Instructor of Nursing,
College of Mathematics and Science – 2006**
B.S.N., University of South Florida, 2001; M.S., University of Oklahoma, 2003

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 Occupational and Technology Education,
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, Associate 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

**Elliott, Mary, Emeritus Professor Department of Finance,
College of Business Administration- 1968**
B.S., East Central Oklahoma State University, 1951; M.Ed., University of Oklahoma, 1955; Ed.D., University of Oklahoma, 1970

**Ellis, R. Barry, Assistant Professor of Finance,
College of Business Administration – 2007**
B.B.A., Baylor University, 1974; M.B.A., East Texas State University, 1980; Ph.D., University of North Texas, 2000

**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., Professor of Professional Teacher Education,
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, Professor of Finance,
College of Business Administration - 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 Administration – 2006**
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, Associate 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, Assistant Professor of Advanced Professional 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

**Evans, LaMona, Emeritus Professor of English,
College of Liberal Arts- 1982**
B.S., Bishop College, 1971; M.S., University of Central Oklahoma, 1975; Ph.D., University of Oklahoma, 1987

**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, Associate 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

Farnell, Gregory S., Assistant Professor of Kinesiology and Health Studies,

College of Education and Professional Studies - 2007

B.S., Ohio University, 1999; M.Ed., Cleveland State University, 2000; Ph.D., Kent State University, 2007

Fent, Darla, Associate 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

Ferguson, John M., Professor of Chemistry,

College of Mathematics and Science - 1995

B.S., University of Kansas, 1987; Ph.D., Iowa State University, 1993

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 Administration- 1976

B.B.A., University of Oklahoma, 1957; M.B.A., University of Oklahoma, 1963; D.B.A., Texas Tech University, 1974

Forbat, David, Associate Professor of Music

College of Fine Arts and Design – 2005

B.M., University of Southern California, 1983; M.M., University of Cincinnati, 1985; D.M.A., Johns Hopkins University, 1996

Ford, Bob, Emeritus Professor of English,

College of Liberal Arts- 1965

B.S., Southeastern Oklahoma State University, 1957; M.S., Oklahoma 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, Associate Professor of Legal Studies,

College of Business Administration – 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., Chairperson/Professor of Sociology 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., University of Oklahoma, 1976

Forsch, 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

Fortenberry, Ed, Emeritus Professor Department of Management, College of Business Administration- 1962

B.S., East Central Oklahoma State University, 190; M.Ed., University of Oklahoma, 1956; Ed.D., University of Oklahoma, 1971

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., Instructor 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

Frech, Cheryl Baldwin, Chairperson/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

Fu, Jicheng, Assistant 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., Assistant 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., Chairperson/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

Garder, Barbara, Emeritus Professor of Music,

College of Liberal Arts- 1955

B.M.Ed., University of Oklahoma, 1952; M.M.E., University, 1953; Ed.D., Oklahoma State University, 1969

Garcia, Lea Ann, Instructor of Advance Professional Services,

College of Education and Professional Studies - 2007

B.A.Ed., University of Central Oklahoma, 1988; M.Ed., University of Central Oklahoma, 2003

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

**Genchev, Stefan, Assistant Professor of Marketing,
College of Business Administration - 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 Administration- 1980**

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

**Gilliland, Lonnie, Emeritus Professor of Occupational and Technol-
ogy Education,**

College of Education and Professional Studies- 1971

B.S., University of Central Oklahoma, 1953; M.Ed., University of Okla-
homa, 1962; Ed.D., University of Oklahoma, 1973

**Givan, Christopher F., 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, Assistant Professor of Music
College of Fine Arts and Design – 2009**

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

**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

**Goodno, Floyd, Emeritus Professor of History and Geography,
College of Liberal Arts- 1964**

B.S., Phillips University, 1952; M.A., Oklahoma State University, 1962;
Ed.D., Oklahoma State University, 1970

**Gorrell, Brian, Lecturer of Music,
College of Fine Arts and Design – 2006**

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

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

**Gourley, Michael, 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

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

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

**Gray, R. Michelle, Assistant Professor of Kinesiology and Health
Studies,**

College of Education and Professional Studies - 2007

B.S., University of Tennessee-Chattanooga, 2000; M.S., Ball State Uni-
versity, 2003; Ph.D., University of Arkansas-Fayetteville, 2007

**Green, Barbara, Professor of 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, Malinda Hendricks, Professor of Professional Teacher Education,
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.Mus., Oklahoma City University, 1970. M.M., Oklahoma City Univer-
sity, 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

**Griffin, Janet L., Instructor of Sociology,
College of Liberal Arts – 2007**

B.S., Eastern Michigan University, 1979; M.S.W., Wayne State Univer-
sity, 1990

**Grosz, Fred, Emeritus Professor Department 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 Professional Teacher Education,
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., Professor of Funeral Service,
College of Mathematics and Science - 1983**

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

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

B.A., University of Oklahoma, 1976; J.D., Southern Methodist Univer-
sity, 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

Guthrie, Peggy, Emeritus Professor of Biology, College of Mathematics and Science- 1967

B.S., East Central Oklahoma State University, 1958; M.S., University of Oklahoma, 1968; Ph.D., University of Oklahoma Health Sciences Center, 1982

H**Hadsall, LukE, Assistant Professor of Theater Arts, College of Fine Arts and Design – 2007**

B.A., University of Central Oklahoma, 2000; M.F.A., University of Cincinnati, 2005

Hakala, Marcia, Emeritus Associate Professor of Foreign Languages, College of Education and Professional Studies- 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

Hamilton, Margret, Emeritus Professor of Biology, College of Mathematics and Science- 1970

B.A., Central State University, 1965; M.S., University of Oklahoma, 1968; Ph.D., University of Oklahoma, 1970

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, Assistant Professor of Professional Teacher Education 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, College of Fine Arts and Design - 2004

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

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

Hankey, Samuel, Emeritus Professor of Mathematics and Statistics, College of Mathematics and Science- 1959

B.S., Southeastern Oklahoma State University, 1957; M.S., Oklahoma State University, 1959; Ed.D., Oklahoma State University, 1968

Hanlon, Adele E., Lecturer of Mathematics and Statistics, College of Mathematics and Science – 2001

B.S., University of Tennessee, 1982; M.Ed., University of Central Oklahoma, 1992

Hansen, Billye, Emeritus Professor of General Business, College of Business Administration- 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 Math & 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 Administration- 1992

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

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, Associate Professor of Information Systems and Operations Management, College of Business Administration - 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

Haskin, Dan, Professor of Accounting, College of Business Administration - 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

Haxton, Paul, Assistant Professor of Advanced Professional 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., 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., Assistant 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

Hefner, Larry, Chairperson/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., 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 Personnel 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., Chairperson/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

Hellstern, Gene, Emeritus Assistant Professor of History and Geography,**College of Liberal Arts- 1965**

B.A., Phillips University, 1950; M.D.I.V., Vanderbilt University, 1953; M.A., University of Oklahoma, 1962

Hellwege, Dale Michael, Emeritus Professor of Chemistry, College of Mathematics and Science - 1966

B.A., Oklahoma State University, 1962; Ph.D., Oklahoma State University, 1966

Hembree, Charles, Emeritus Professor of English, College of Liberal Arts- 1970

B.A., Centenary College, 1961; M.S., University of Oklahoma, 1963; Ph.D., University of Oklahoma, 1974

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 Interim Dean/Associate Professor of Nursing,**College of Mathematics & 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 Administration- 1971

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

Henthorn, Barbara, Emeritus Professor Department 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, Assistant Professor of Information Systems and Operations Management,**College of Business Administration – 2007**

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

Hepner, Mickey, Professor of Economics, College of Business Administration - 2001

B.B.A., University of Oklahoma, 1992; M.A., University of Oklahoma, 1994; Ph.D., University of Oklahoma, 2001

Hickman, William, H., Professor of Mass Communication, 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

Higa, Keith, Instructor 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

Hill, Jerry, Emeritus Professor of Curriculum and Instruction, College of Education and Professional Studies- 1974

B.S., Lamar University, 1961; M.Ed., Stephen F. Austin State University, 1962; Ed.D., McNeese State University, 1973

Hines, Donald, Emeritus Assistant Professor of Humanities and Philosophy,**College of Liberal Arts- 1968**

A.A., Cameron University, 1963; B.A., Central State University, 1966; M.A.T., Oklahoma City University, 1971

Hochenauer, Kurt, 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

Hollrah, Matthew W., Assistant 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, Associate 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, 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

**Hommel, William L., Professor of Art,
College of Fine Arts and Design - 1986**

B.A., Oakland University, 1963; M.A., Indiana University, 1977; Ph.D., Indiana University, 1981

**Honea, Ted, Associate 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., Assistant 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., Professor of Accounting,
College of Business Administration - 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, Mandy, Lecturer of Design,
College of Fine Arts and Design - 2008**

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

**House, Paul, Instructor of Kinesiology and Health Studies,
College of Education and Professional Studies – 2006**

B.S., Oklahoma Christian University, 1994; M.S., University of Oklahoma, 1997; Ph.D., Oklahoma State University, 2009

**Howard, Gary J., 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

**Hughes, Charles A., Associate Dean/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

**Hunt, Bobby, Emeritus Assistant Professor of Health, Physical Edu-
cation, Recreation and Dance,**

College of Education and Professional Studies- 1962

B.A., Adams State College, 1960; M.A., Adams State College, 1963

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

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

**Hurt, Douglas A., Associate Professor of Geography,
College of Liberal Arts – 2005**

B.S.Ed., University of Missouri, 1994; M.A., University of Missouri, 1995; Ph.D., University of Oklahoma, 2000

**Hurd, Shirley, Emeritus Professor of Nursing, Emeritus Faculty
College of Mathematics and Science - 1977**

B.S., University of Central Oklahoma, 1975; M.S., University of Colorado, 1977

**Hutchinson, John W., Emeritus Professor of Accounting
College of Business Administration, 1955**

B.S. Educ., University of Oklahoma, 1950; M.S. Educ., University of Oklahoma, 1955; Ed. D., Oklahoma State University, 1971

**Hyde, Travis, Emeritus Assistant Professor of Finance,
College of Business Administration- 1962**

B.S., Southeastern Oklahoma State University, 1957; M.S., Oklahoma State University, 1958

I

**Ice, Randal, Chairperson/Professor of Finance,
College of Business Administration - 1984**

B.B.A., University of Oklahoma, 1980; M.B.A., University of Michigan, 1982; Ed.D. Oklahoma State University, 1997

**Illidge, Robert, Emeritus Instructor of Journalism,
College of Liberal Arts- 1992**

B.J., University of Missouri-Columbia, 1958; M.A., Wichita State University, 1984

**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

**Israel, Deborah, Associate Professor of English,
College of Liberal Arts – 2003**

B.A., State University of New York at Stony Brook, 1970; M.A., Central State University, 1975; Ph.D., Oklahoma State University, 2000

J

**Jacobson-Peters, Amy, Instructor of Design,
College of Fine Arts and Design – 2005**

B.A.; William Woods College, 1989; M.S., University of Central Oklahoma, 1995

**Jacobson, Jamie, Chairperson/Assistant Professor of Dance,
College of Fine Arts and Design - 1987**

B.S., Brigham Young University, 1977; M.A., Brigham Young University, 1980

**Jackson, Diane H., Chairperson/Professor of Professional Teacher
Education,**

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

James, Regenia C., Assistant Professor of Professional Teacher Education, 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

Jassemnejad, Bahaeddin, Chairperson/ 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

Jennings, Sandra, Emeritus Associate Professor of Management, College of Business Administration- 1988

B.A., Missouri Southern State College, 1969; M.P.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1985

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, Assistant 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, 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

Johnson, Amy, Assistant Professor of Graphic 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 Administration- 1980

B.S., Arkansas College, 1967; M.B.A, Washington University, 1969; Ph.D., University of Oklahoma, 1988

Johnson, Joseph T., Professor of Economics, College of Business Administration - 1992

B.A., University of Michigan, 1968; MTS, Harvard University, 1971; M.S., Michigan State University, 1973; Ph.D., University of Chicago, 1980

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

B.M.E., 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, Freetta, 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, Randall J., 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, Robert, Emeritus Associate Professor of Sociology, Criminal Justice, and Substance Abuse Studies**College of Liberal Arts- 1991**

B.S., Oklahoma City University, 1960; M.S., Oklahoma State University, 1962; Ph.D., University of Oklahoma, 1966

Jones, Russell, Professor of Marketing, College of Business Administration - 1988

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

Jourdan, Thomas H., Assistant Director of the Forensic Science Institute/Associate 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, Professor of Finance, College of Business Administration - 1992

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

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

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

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., Associate 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., 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., Associate Dean/Professor of Occupational and Technology Education, College of Fine Arts and Design - 2005

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

**Kelsey, Jill, Instructor of Mass Communication,
College of Liberal Arts - 1996**

B.A., University of Oklahoma, 1968; M.Ed., University of Oklahoma, 1992; M.A., University of Oklahoma, 1994

**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

**Kerr, Robert M., Associate Professor of Geography,
College of Liberal Arts - 2005**

B.A., Grand Valley State University, 1996; M.A. University of South Carolina, 1998; Ph.D. University of Oregon, 2002

**Khandaker, Morshed, Assistant 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, Associate 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, Kent, Emeritus Professor of Music,
College of Fine Arts and Design- 1969**

B.M.Ed, University of Oklahoma, 1961; M.M, University of Oklahoma, 1969; D.M.A, University of Oklahoma, 1976

**Kidwell, Jeffrey, Assistant Director Jazz/Trombone, Music,
College of Fine Arts and Design- 2007**

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

**Killian, James, Assistant Professor of Sociology/Substance Abuse
Studies,
College of Liberal Arts - 2008,**

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

**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 Physics,
College of Mathematics and Science- 1962**

B.S., University of Arizona, 1958; M.S., University of Arizona, 1962

**Klages, James L., Associate 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, 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., 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., 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., Chairperson/Assistant 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

**Knight, John Michael, Chairperson/Professor of Psychology,
College of Education and Professional Studies - 1973**

B.A., University of Central Oklahoma, 1968; M.A., Stephen F. Austin State University, 1970; Ph.D., University of Oklahoma, 1974

**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

**Kocher, Katherine, Instructor of Finance,
College of Business Administration - 2005**

B.B.A., University of Central Oklahoma, 1996; M.B.A., University of Central Oklahoma, 1998

**Kotturi, Hari S.R., Assistant 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, Assistant Professor of Finance,
College of Business Administration - 2007**

B.S, University of Kerala, India, 1968; Ph.D, Texas Tech University, 1988

**Kuleshov, Valery, Artist-in-Residence, Music,
College of Fine Arts and Design - 1999**

Masters degree, Russian Gnessin's Academy of Music, 1997; Doctorate, State Jewish Academy, 1999

**Kuzminski, Pamela, 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

L

**LaCombe, Roxane, Lecturer of Music
College of Fine Arts and Design-2008**

B.M., San Diego State University, 1989; M.M., New England Conservatory of Music, 1991; DMA., University of Oklahoma, 2000

**LaGrow, Patricia A., Vice Provost and 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., Instructor of Industrial and Safety Education,
College of Education and Professional Studies - 1999**
B.S., Oklahoma State University, 1985; M.S., Oklahoma State University,
1998

**Lack, Caleb, Assistant 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

**Lamb, Brian, Associate 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

**Lambeth, Jill, Instructor of Mass Communication,
College of Liberal Arts – 2008**
B.A., Oklahoma City University, 1998; M.S. Southern Nazarene Univer-
sity, 2007

**Larson, Kenneth, Emeritus Associate Professor of Human Environ-
mental 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

**Laubach, Leann L., Instructor of Nursing,
College of Mathematics and Science – 2005**
B.S.N., University of Central Oklahoma, 1987; M.S., Southern Nazarene
University, 2005

**Law, Stephen C., 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., Assistant 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, Melvin, Emeritus Professor of Music,
College of Liberal Arts- 1964**
B.M.Ed., Oklahoma City University, 1949; M.M.E., University of
Michigan, 1955; D.M.E., University of Oklahoma, 1969

**Lehman, Paul, Emeritus Professor of English,
College of Liberal Arts- 1971**
B.A., University of Central Oklahoma, 1967; M.Ed., University of Cen-
tral Oklahoma, 1971; Ph.D. Lehigh University, 1976

**Lemley, Evan, 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., 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

**Li, Xiao-bing, Chairperson/Professor of History and Geography,
College of Liberal Arts - 1993**
B.A., Nankai University, China, 1982; M.A., Carnegie Mellon Univer-
sity, 1984; Ph.D., Carnegie Mellon University, 1991

**Liew, Chung Ja, Emeritus Professor of Economics,
College of Business Administration- 1984**
B.S., University of California- Berkley, 1965; M.A. University of Okla-
homa, 1973; Ph.D. University of Oklahoma, 1977

**Limke, Alicia, Assistant Professor of Psychology,
College of Education and Professional Studies – 2008**
B.S., Southern Nazarene University, 2000; M.S. University of Okla-
homa, 2002; Ph.D., University of Oklahoma, 2005

**Lord, Wayne D., Evidence Recovery and Forensic
Entomology Program Administrator of the Forensic Science Insti-
tute/Associate 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

**Loughlin, Patti, Associate 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., 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, Assistant Professor of Legal Studies
College of Business Administration – 2008**
B.A., University of Oklahoma, 1986; J.D., University of Oklahoma,
1989; M.A., University of Oklahoma, 1996; M.A. University of Okla-
homa, 1995

**Luna, Linda, Lecturer of Biology,
College of Mathematics and Science - 2002**
B.S., University of Central Oklahoma, 1995; M.S., University of Central
Oklahoma, 2000

**Luxenburg, Joan, Professor of Sociology,
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

M

John Mabry, Assistant Professor Criminal Justice/Law Enforcement and Legal**Instructor Coordinator in Forensic Science Institute - 2009**

B.S., University of Tennessee, Knoxville, 1981; J.D., University of Alabama, 1984.

MacDonald, Stuart, Assistant Professor of Legal Studies, College of Business Administration – 2007

B.A., University of Texas at Dallas, 1987; J.D., Oklahoma City University, 1990; M.S., University of Texas at Dallas, 1999; Ph.D., University of Texas at Dallas, 2000

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, Dean/Professor of Advanced Professional Studies, 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 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., Assistant Professor of Professional Teacher Education, 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.Mus., University of Illinois, 1976; D.M.A., University of Illinois, 1983

Mandagere, Subr, Emeritus Associate Professor of Sociology and Criminal Justice, College of Liberal Arts- 1975

B.S., University of Mysore, 1941; M.S., University of Missouri-Columbia, 1966; Ph.D., University of Missouri-Columbia, 1973

Manral, Lalit, Assistant Professor of Management College of Business Administration – 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

Marion, Leona, Instructor of Nursing, College of Mathematics and Science - 2004

B.S., Oklahoma Baptist University, 1970; M.S., University of Oklahoma, 1982

Marks, Angela, Associate Professor of Theatre Arts, College of Fine Arts and Design – 2003

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

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 Administration- 1986

B.S., University of Oklahoma, 1953; M.B.E, University of Oklahoma, 1970; Ph.D., University of Oklahoma, 1984

Martin, David L., Professor of Engineering and Physics, College of Mathematics and Science - 1982

B.S., Cameron University, 1973; Ph.D., Oklahoma State University, 1979

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

Massey, 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

Mather, Robert D., Assistant 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

Maxwell, David, Assistant Professor of Art, 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, Professor of Economics, College of Business Administration - 1981

B.A., University of Texas at Arlington, 1973; M.S., Baylor University, 1975; Ph.D., Oklahoma State University, 1982

Mayfield, Sandra, Professor of English, College of Liberal Arts - 1985

B.A., Oklahoma Baptist University, 1964; M.A., University of Oklahoma, 1970; Ph.D., University of Oklahoma, 1980

Mays, Marvin, Emeritus Assistant Professor of Biology, College of Mathematics and Science- 1962

B.S., Hardin-Simmons University, 1951; M.S., University of Oklahoma, 1960

Mazuet, Alix, Assistant Professor of French, College of Liberal Arts – 2006

B.A., San Francisco State University; 1998, M.A. University of Arizona, 2000, Ph.D. Duke University, 2006

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., Associate Professor of Criminal Justice,
College of Liberal Arts – 2005**

B.S., Western Michigan University, 1980; M.S., National University at San Diego, 1984; Ed.D., Oklahoma State University, 2000

**McCullough, Thomas, Lecturer of Music,
College of Fine Arts and Design – 2006**

B.M., University of Central Oklahoma, 1999; M.M., University of Central Oklahoma, 2000; M.M. Florida State University, 2002; D.M., Florida State University, 2004

**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

**McGill, Robert E., 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

**McGinnis, Patrick, Emeritus Professor of History and Geography,
College of Liberal Arts- 1968**

B.A., University of Arkansas at Monticello, 1961; M.A., Tulane University of Louisiana, 1962; Ph.D., Tulane University of Louisiana, 1967

**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

**McKaig, Michael D., Associate Professor of 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, Candie, Instructor of English,
College of Liberal Arts – 2003**

B.A., University of Central Oklahoma, 1995; M.A., University of Central Oklahoma, 2000

**McKibbin, Jeff, 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 Administration- 1980**

B.S., University of Oklahoma, 1966; M.B.Ed., University of Oklahoma, 1968; Ph.D., University of Oklahoma, 1979

**McLaughlin, Scott F., Professor of 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

**McLemore, Susan E., Instructor of Kinesiology and Health Studies,
College of Education and Professional Studies - 2007**

B.S., Oklahoma State University, 1979; M.Ed., University of Central Oklahoma, 1993

**McPhill, Gene, Emeritus Professor of Administration, Vocational,
Adult and Higher Education,
College of Education and Professional Studies- 1969**

B.S., Southwestern Oklahoma State University, 1946; M.Ed., University of Oklahoma, 1955; Ed.D., University of Oklahoma, 1966

**Meeks, Sherry, Lecturer of Biology,
College of Mathematics and Science - 2002**

B.S., SWOSU - Weatherford, 1977; B.S., SWOSU-Weatherford, 1978; M.Ed., University Central Oklahoma, 1988

**Meier, Steven K., Assistant Professor of Chemistry,
College of Mathematics and Science – 2009**

B.S., University of Central Oklahoma, 2004; Ph.D., University of Southern California, 2008

**Mertens, Daniel, Assistant Professor of Management
College of Business Administration- 2009**

B.A., Colorado State University, 1993; MBA, University of Arizona, 1999; Ph.D., University of Arizona, 2003

**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 Administration- 1986**

B.A. Spelman College, 1972; M.B.A, Atlanta University, 1977; Certified Public Accountant

**Miller, Jesse, Instructor 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, Chairperson/Professor of Information Systems and
Operations Management,
College of Business Administration - 1988**

B.S., Southeastern Oklahoma State University, 1984; M.S., Oklahoma State University, 1986; Ed.D., Oklahoma State University, 1988

**Miller, Matthew S., Lecturer of Humanities and Philosophy, College
of Liberal Arts - 2005**

B.A., Hastings College, 1996; Ph.D., University of South Carolina, 2005

**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., 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., Chairperson/Associate 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., Associate 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 Administration- 1983**
B.S., University of Santa Clara, 1962; M.B.A., University of Pennsylvania, 1968; Certified Public Accountant

**Milligan, Thomas W., Assistant 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

**Minnich, Margo J., Instructor of Nursing,
College of Mathematics and Science – 2007**
B.S.N., Purdue University, 1994; M.S.N., University of North Carolina at Charlotte, 2002

**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, 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., LeMoyne College, 1968; M.A., Syracuse University, 1977; M.L.S., Syracuse University, 1979; M.Ph., Syracuse University, 1984; Ph.D., Syracuse University, 1988

**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, Instructor of Modern Languages, Literatures, and Cultural Studies,
College of Liberal Arts – 2002**
B.A., University of Central Oklahoma, 1990; M.A., University of Oklahoma, 1997

**Monfort, Mary, 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., 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

**Moore, Orland, Emeritus Professor of Political Science,
College of Liberal Arts- 1970**
B.A., Central State University, 1966; M.A., University of Oklahoma, 1968

**Morey, William, Emeritus Professor of Information Systems and
Operation Management,
College of Business Administration- 1989**
B.A., Ohio University, 1957; M.A., University of Oklahoma, 1972; Ph.D., Southern Illinois University-Carbondale, 1968

**Morishige, Teruo, 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., Assistant 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

**Moss, S. Kirby, Instructor of Kinesiology and Health Studies,
College of Education and Professional Studies - 2007**
B.S., University of Central Oklahoma, 1988; M.S., Oklahoma University Health Sciences Center, 2002

**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 Administration- 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., Associate 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

**Myles-Nixon, Charolette, Professor of 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

**Nassalroad, Darrell, Emeritus Professor of Marketing,
College of Business Administration- 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

**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., Associate 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., Professor of Occupational and
Technology Education,**

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., Assistant 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, Mary, Emeritus Professor of General Business,
College of Business Administration- 1967**

B.S., Central State University, 1964; M.B.Ed., University of Oklahoma, 1967; Ph.D., University of Oklahoma, 1972

**Nelson, R. Mike, Associate Professor of Professional Teacher Education,
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, Assistant Professor of Business Administration,
College of Business Administration – 2007**

B.S., Polytechnic Institute, 1987; M.A., Jackson State University, 1995; Ph.D., Jackson State University, 2007

**Noel, David E., Professor of Information Systems and
Operations Management,**

College of Business Administration - 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, Chairperson/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

**Nystul, Daisy, Chairperson/Associate 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

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., 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, Assistant Professor of Economics,
College of Business Administration – 2006**

BBA, University of Central Oklahoma, 1996; J.D., University of Oklahoma, 1999; Ph.D., University of Oklahoma, 2006

**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, John, Emeritus Professor of History and Geography,
College of Liberal Arts- 1969**

B.A., Southern Methodist University, 1953; B.S., Southern Methodist University, 1953; M.A., Southern Methodist University, 1954; Ph.D., University of Oklahoma, 1969

**Osgood, Emmet, Emeritus Professor Department of Occupational
and Technology Education,
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

**Osterhaus, Carveth, Emeritus Assistant Professor of Music,
College Arts, Media & Design-1989**

B.A., Oklahoma City University, 1963; M.A., Trinity University, San Antonio, 1972.

**Ovrebo, 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, Professor of Advanced Professional Studies,
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

**Palmer, Bob E., 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

**Pardo, Diana, Associate 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

**Parent, Paul, Emeritus Instructor of Kinesiology and Health Studies/Athletics,
College of Education and Professional Studies- 1979**
B.S., Northeastern Oklahoma State University, 1966; M.Ed., Northeastern State University, 1978

**Park, Myung-Ah, Assistant 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

**Parrish, Barbara, Professor of Accounting,
College of Business Administration - 1999**
B.A., Friends University, 1962; M.S., Wichita State University, 1981; Ph.D., University of Arkansas, 1994

**Parrish, Ralph W., Emeritus Associate Professor of Management,
College of Business Administration - 2000**
B.B.A., Wichita State University, 1977; M.B.A., Wichita State University, 1982; Ph.D., University of Arkansas, 1994

**Pasternack, Robyn, Assistant Professor of Dance
College of Fine Arts and Design – 2005**
B.F.A., University of Utah – 1990; M.F.A., University of Oklahoma – 2004

**Patterson, Nancy, Instructor of Nursing,
College of Mathematics and Science – 2005**
B.S.N., University of Missouri, 1981; M.S., University of Oklahoma, 1985

**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 Professional 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, Instructor of English,
College of Liberal Arts – 2007**
B.A., University of Oklahoma, 1999; M.A., University of California, Los Angeles, 2002

**Phillips, Ann, Emeritus Assistant Professor Department of Foreign Language,
College of Liberal Arts - 1966**
B.A., Oklahoma State University, 1943; M.A., University of Oklahoma, 1967

**Pickard, John, Emeritus Assistant Professor of Humanities and Philosophy,
College of Liberal Arts - 1968**
B.A., Oklahoma City University, 1959; M.A., Oklahoma State University, 1972

**Pink, Bill P, Associate Dean/Assistant Professor of Curriculum and Instruction,
College of Education and Professional Studies – 2007**
B.S., Oklahoma Christian University, 1990; M.Ed. University of Central Oklahoma, 1995; Ph.D., Oklahoma University, 2004

**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, 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 Administration - 1982**
B.S., Mankato State University, 1963; M.Ed., University of Virginia, 1969; M.S., Oklahoma City University, 1982

**Pollack, Sallie, Lecturer of Music
College of Fine Arts and Design-2009**
B.M., Texas Christian University, 1995; M.M., University of Illinois, 1998; DMA, Manhattan School of Music, 2009

**Pool, Carolyn G., Professor of History and Geography,
College of Liberal Arts - 1994**
B.S., University of Oklahoma, 1963; M.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1987

**Popplewell, Susan, Instructor of Curriculum and Instruction
College of Education and Professional Studies – 2008**
B.A., Oklahoma State University, 2000; M.Ed., University of Central Oklahoma, 2004

**Pourbabae, Hassan, Professor of Information Systems and Operations Management,
College of Business Administration - 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

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., Assistant 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, 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 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

Pursifull, Charles, Instructor of Accounting, College of Business Administration - 1998

B.B.A. University of Oklahoma, 1956; M.B.A. University of Oklahoma, 1958; Certified Public Accountant

Q

Qian, Gang, Chairperson/Associate 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

Quigley, Kimberly K., Assistant 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

R

Rabb, Margaret Y., Creative Writing Artist-in-Residence, College of Liberal Arts – 2007

B.A., University of North Carolina, Chapel Hill, 1974; J.D., University of North Carolina, Chapel Hill, 1983; M.F.A., University of Washington, 2007

Radke, William J., 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

Rambo, Alma, Emeritus Associate Professor of Nursing, College of Mathematics & Science- 1987

B.S., University of Central, 1982; M.S., University of Oklahoma, 1986; Ph.D., University of Oklahoma, 1987

Ramey, Angela D., Instructor of Nursing, College of Mathematics and Science – 2007

B.S.N., University of Oklahoma Health Sciences Center, 2001; M.S.N., University of Oklahoma Health Sciences Center, 2004

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

Ravikumar, Rukmini, Associate Professor of Design, College of Fine Arts and Design – 2004

B.A., University of Madras, India, 1999; M.F.A., Iowa State University, 2003

Redus, Brady, Associate 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, Douglas P., Professor of Sociology and Gerontology,, College of Liberal Arts - 2000

B.A., East Carolina University, 1980; M.A., East Carolina University, 1986; Ph.D., Oklahoma State University, 1992

Reid, Jack, Emeritus Professor Political Science, College of Liberal Arts- 1972

M.A., Wichita State University, 1959; M.P.H., University of Kansas, 1971; Ph.D., University of Kansas, 1971

Remy-Schumacher, Tess, Professor of Music, College of Fine Arts and Design - 1998

Kunstlerische Reifepfung, Musikhochschule, 1987; M.Mus., University of Southern California, 1989; D.M.A., University of Southern California, 1998

Rettig, Richard, Emeritus Professor Department of Sociology and Criminal Justice, College of Liberal Arts- 1984

B.S., University of Oregon, 1970; M.S., University Oregon, 1972; Ph.D., University of Oregon, 1974

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

Rice, Odus, Emeritus Professor of Professional Teacher Education, College of Education and Professional Studies- 1960

B.A., Oklahoma State University, 1958; M.S., Oklahoma State University, 1961; Ed.D., Oklahoma State University, 1977

**Richardson, Verlin, Emeritus Professor of Chemistry,
College of Mathematics and Science- 1962**

B.S., Northwestern State University, 1952; M.Ed., Phillips University, 1957; M.S., Oklahoma State University, 1958; Ph.D., University of Oklahoma, 1969

**Rickman, Charles, Emeritus Professor of Management,
College of Business Administration- 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., Chairperson/Assistant 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

**Rittner, Linda L., Assistant Professor of Professional Teacher Education,
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, Paul, Emeritus Assistant Professor of Marketing,
College of Business Administration- 1969**

B.B.A., University of Oklahoma, 1958; B.S.Ed., University of Oklahoma, 1963; M.S., Oklahoma State University, 1968

**Roberson, Jere W., 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

**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

**Rooker, Jill, Professor of Advanced Professional 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

**Rucker, Lee, 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, Associate 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., Associate 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, Assistant 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

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 Administration- 1980**

B.B.A., University of Oklahoma, 1952; M.B.A., Oklahoma City University, 1971; Ph.D., University of Oklahoma, 1975

**Sasser, Sue Lynn, Associate Professor of Economics,
College of Business Administration - 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 Department 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

**Saverine, Nicholas, Lecturer of Music
College of Fine Arts and Design-2009**

B.M., Wichita State University, 2000

**Schilz, Candice, Assistant Professor of Art,
College of Arts, Media & Design- 2007**

B.A., Indiana University, 1976; M.E., Southwestern Oklahoma State University, 1981; Ed.D., Indiana University, 1993

**Scott, Gregory M., 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 Professional Teacher Education,
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

**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

**Sebert, Candy A., Chairperson/Professor of Occupational and Tech-
nology Education,**

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

**Seong, Jaehoon, Assistant Professor of Engineering and Physics,
College of Mathematics and Science – 2007**

B.S., Hongik University, 1998; M.S., State University of New York at Buffalo, 2001; University of Miami, 2005

**Settles, Valerie, Instructor 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

**Shaaf, Mohammad, Professor of Economics,
College of Business Administration - 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

**Shaw, Chindarat Charoenwongse-, Associate 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

**Sheetz-Nguyen, Jessica A., Associate 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 Administration - 1988**

B.S., Oklahoma City University, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1995; Certified Public Accountant

**Shellenberger, Elmer, Emeritus Assistant Professor of Marketing,
College of Business Administration- 1989**

B.S., Wichita State University, 1948; M.Ed., Phillips University, 1952; Ed.D., University of Oklahoma, 1966

**Shelton, Paul, Assistant Professor of Management
College of Business Administration – 2008**

B.S., University of Phoenix, 2001; MBA, Azusa Pacific University, 2003; Ph.D., Colorado State University, 2008

**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, Dean/Professor of Legal Studies,
College of Business Administration - 1981**

B.A., Oklahoma State University, 1978; J.D., University of Oklahoma, 1981

**Shreck, Paulette, Chairperson/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., Associate 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, Assistant 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

**Sims, Jeanetta, Assistant Professor Business Communication,
College of Business Administration – 2007**

B.S., Oklahoma Christian University, 1993; M.A., Abilene Christian University, 1995; Ph.D., The University of Oklahoma, 2008

**Simmons, Charles, Emeritus Professor of Mass Communication,
College of Liberal Arts- 1981**

B.A., University of Central Oklahoma, 1908; M.Ed., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University

**Simmons, Charlotte K., Chairperson/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., Ceramics, Kansas City Art Institute, 1987; M.F.A., Ceramics, New York State College of Ceramics at Alfred University, 1989

**Sloan, Roberta, Emeritus Professor of Theatre,
College of Fine Arts and Design- 1988**

B.S., Northwestern University, 1966; A.M., University of Michigan, 1967; Ph.D., University of Michigan, 1970

**Smeltzer, Steven, Instructor of Music
College of Fine Arts and Design-2009**

B.F.A, Florida State Univeristy, 1983

**Smith, Terrill, Emeritus Professor of Chemistry,
College of Mathematics and Science- 1968**

B.S., University of Oklahoma, 1953; M.S., University of Maryland at College Park, 1958; Ph.D., Washington University, 1959

**Snider, Gayle, Instructor of Occupational and Technology Education,
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, 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 Administration, 1959**

B.S., Central State University, 1951; M.S., Central State University, 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., 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.Music, University of Oklahoma, 1960; M.M., University of Oklahoma, 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., Associate Professor of 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 Occupational
Technology Education,
College of Education and Professional Studies- 1986**

B.S.Ed., University of Central Oklahoma, 1969; M.E.d, University 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. , Assistant Professor of History,
College of Liberal Arts – 2007**

B.A., University of Oregon, 1991; M.A., Portland State University, 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 Michigan University, 1965; M.S., Central Michigan University, 1970; Ph.D., University of Michigan, 1973

**Squires, Constance E., Assistant 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

**Stabler, Linda B., Assistant Professor of Biology,
College of Mathematics and Science – 2007**

B.S., St. Joseph College, 1989; B.S., Arizona State University, 1997; Ph.D., Arizona State University, 2003

**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., 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

**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

**Steiner, Kevin , Lecturer of Design,
College of Fine Arts and Design - 2008**

B.S., Oklahoma State University, 2003; B.F.A. University of Central Oklahoma, 2008

**Steward, Gary A., Jr., Associate Dean/Professor of Criminal Justice,
College of Liberal Arts - 1998**

B.A., Central State University, 1991; M.A., University of Central Oklahoma, 1992; Ph.D., Oklahoma State University, 1999

**Stockwell, William F., Associate Professor of Computer Science,
College of Mathematics and Science - 1982**

B.S., University of Central Oklahoma, 1973; M.A., University of Oklahoma, 1975; Ph.D. University of Oklahoma, 2002

**Stone, Joan, Instructor of Accounting,
College of Business Administration - 2005**

B.B.A., University of Central Oklahoma, 1978; M.B.A., Central State University, 1978; M.B.A., Central State University, 1986

**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., Associate 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

**Stults, Cathy, Emeritus Professor of Modern Languages, Literatures, and Cultural Studies,
College of Liberal Arts- 1990**

B.A.Ed., University of Central Oklahoma, 1970; M.A., University of Oklahoma, 1983; Ph.D., University of Oklahoma, 1986

**Stumbaugh, Charles, Emeritus Professor of Accounting,
College of Business Administration- 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, Chairperson/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, Assistant Professor of Accounting,
College of Business Administration – 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., Associate 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

**Swezey, Keith A., Professor of Mass Communication,
College of Liberal Arts - 1991**

B.A., University of Central Oklahoma, 1974; M.S., Oklahoma State University, 1989; Ed.D., Oklahoma State University, 1997

T**Tassin, Raymond, Emeritus Professor Department of Journalism,
College of Liberal Arts- 1961**

B.A., University of Oklahoma, 1950; M.A., University of Oklahoma, 1957; Ph.D., University of Missouri-Columbia, 1964

**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

**Teal, Mary, Assistant Professor of Accounting,
College of Business Administration – 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, Katherene P., Chairperson/Professor of Accounting,
College of Business Administration - 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, Professor of Accounting,
College of Business Administration - 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

**Thibodeaux, Jeremy J., Assistant Professor of Mathematics and Statistics,
College of Mathematics and Science – 2007**

B.S., University of Louisiana at Lafayette, 2002; M.S., University of Louisiana at Lafayette, 2004; Ph.D., University of Louisiana at Lafayette, 2007

**Thompson, Hayley, Instructor of Theatre Arts,
College of Arts, Media and Design – 2008**

B.A., University of Central Oklahoma, 2000; M.E., University of Central Oklahoma, 2007

**Thompson, Sandra D., Associate 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 & 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

**Tran, Thanh, Assistant Professor of Marketing
College of Business Administration – 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, Associate 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

**Trittipo, Tom, Emeritus Professor of Marketing,
College of Business Administration 1982**

B.B.A., University of Central Oklahoma, 1973; B.S., Oklahoma Baptist University, 1975; M.Ed., University of Central Oklahoma, 1977; Ph.D., University of Oklahoma, 1985

**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

**Tullis, Kim J., Chairperson/Professor of Management,
College of Business Administration - 1995**

B.S., Southern Nazarene University, 1977; M.B.A., University of Houston, 1988; Ph.D., University of Arkansas, 1996

**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

**Tyner, Lee, Assistant Professor of Management,
College of Business Administration - 2007**

B.B.A., University of Oklahoma, 1992; M.S., Southern Nazarene Uni-
versity, 1995; Ed.D., Oklahoma State University, 2006

V

**Vanhoy, Mickie, Associate 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 Fel-
lowship, 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, Joe, Emeritus Assistant Professor of Biology,
College of Mathematics and Science- 1968**

B.S., Sul Ross State University, 1954; M.A., Sul Ross State University, 1961

**Vaughan, Melville, Associate 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, Chairperson/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., Instructor of Nursing,
College of Mathematics and Science - 2004**

B.S.N., Loyola University, 1993; M.S., University of Oklahoma, 1998

**Villani, Shari, Associate Professor of Occupational and
Technology Education,
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, Associate Professor of Organizational Communication,
College of Liberal Arts - 2005**

B.S., Oklahoma Christian University, 1982; M.A., University of Hous-
ton, 1986; Ph.D. University of Oklahoma, 2001

**Vincent, Daniel, Assistant Professor of Curriculum and
Instruction,
College of Education and Professional Studies - 2006**

B.S., Oklahoma Baptist University, 1999; M.Ed., University of Okla-
homa, 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., Professor of Chemistry,
College of Mathematics and Science - 1996**

B.S., Texas Tech University, 1966; Ph.D., University of Nebraska, 1970

W

**Wakefield, Judith, Professor of Advanced Professional Services,
College of Education and Professional Studies - 1986**

B.S.E., Emporia State University, 1969; M.A., Emporia State Univer-
sity, 1971; Ph.D., University of Oklahoma, 1986

**Walker, Edward, Assistant Professor of Accounting,
College of Business Administration - 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 Cen-
tral Oklahoma, 1979; Ed.D., Oklahoma State University, 1988

**Wallo, William M., 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

**Waples, Ethan, Assistant Professor of Management
College of Business Administration - 2009**

B.S., Baker University, 2002; M.S., University of Oklahoma, 2004;
Ph.D., University of Oklahoma, 2008

**Ward, Sherry, Assistant Professor of Advance Professional Studies
College of Education and Professional Studies - 2007**

B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1995

**Wardrope, William, Professor of International Business,
College of Business Administration - 2005**

B.A., Central State University, 1986; M.A., Oklahoma State University,
1988; Ph.D., University of Nebraska-Lincoln, 1995

**Warning, Renee, Associate Professor of Management,
College of Business Administration - 2002**

B.B.A., University of Central Oklahoma, 1986; M.B.A.,
University of Central Oklahoma, 1988; Ed.D. Oklahoma State University,
1992

Warren, Clifton, Emeritus Dean**College of Liberal Arts- 1962**

B.A., University of Richmond, 1952; M.A., University of Richmond, 1954; Ph.D., Indiana University, 1962

Washington, Pamela, Dean/Professor of English,**College of Liberal Arts - 1989**

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, Marilyn B., 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., Assistant Professor of 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., 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., Assistant 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

**Webster, Catherine S., Assistant Professor of French,
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, Jesse, Emeritus Professor of Music,
College of Liberal Arts- 1968**

B.A., University of Central Oklahoma, 1961; M.T., University of Central Oklahoma, 1967; D.M.A., University of Oklahoma, 1978

**Webster, J. Kirk, Assistant Professor of Advanced
Professional 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

**Weidell, Charleen, Chairperson/Associate Professor of Art,
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

**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 Administration - 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 Edu-
cation,****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., Associate 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, Assistant Professor/Director of Music Theatre/Pro-
ducer of Broadway Tonight****College of Fine Arts and Design-2009**

B.M., University of Central Oklahoma, 1992; M.A. University of Central Oklahoma, 1994; Ph.D., Texas Tech University, 2007

**White, Jennifer, Lecturer of Mass Communication,
College of Liberal Arts - 2002**

B.A., University of Oklahoma, 1997; M.A., University of Oklahoma, 1999

**White, L. Keith, Professor/Director of School 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

**Wieck, Catherine A., Assistant 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, Janice K., Professor of Marketing,
College of Business Administration - 1989**
B.S., Oklahoma State University, 1969; M.B.A., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1993

**Williams, Jennifer, Instructor of Special Services
College of Education and Professional Studies, 2009**
B.S. 1993, University of Central Oklahoma; M.Ed., University of Central Oklahoma, 1995

**Williams, Kathryn M., Lecturer in Sociology,
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 Administration- 1981**
B.S.Ed., Langston University, 1973; M.Ed. North Eastern Oklahoma State University, 1977; Ph.D. University of Oklahoma, 2001

**Willis, Geoff, Professor of Information Systems and Operations
Management,
College of Business Administration - 1998**
B.S. Vanderbilt University, 1984; M.S., Texas Tech University, 1992; Ph.D., Texas Tech University, 1994

**Wilson, Gregory, Executive Director of the Office of Research and
Grants/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, Wanda, Emeritus Associate Professor of Home Economics,
College of Education and Professional Studies- 1975
1968**
B.S., Oklahoma State University, 1950; M.S., Oklahoma State University,

**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

**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

**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

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

**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

**Yunker, Donna, Emeritus Professor of Professional Teacher Education,
College of Education and Professional Studies- 1966**
B.A., Baylor University, 1952; M.A., Southern Methodist University, 1958; Ph.D., University of Texas at Austin, 1964

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, 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

**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, Chairperson of Economics and International Business
/Professor of Economics,
College of Business Administration - 2000**
B.S., People's University of China, 1985; M.A., Bowling Green State University, 1987; Ph.D., University of Michigan, 1994

**Zimmerman, Mark, Instructor of Mass Communication,
College of Liberal Arts - 2007**
B.A., University of Central Oklahoma, 1993; M.Ed., University of Central Oklahoma, 1999

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.

Field Admission Counselors attend college fairs and make presentations to high schools and community colleges throughout the state of Oklahoma.

Throughout the year, Undergraduate Admissions coordinates recruitment events and activities on campus such as Premiere Days, Edmond College Night, Counselor Only Day, and Diversity Day.

To arrange a campus visit, or for further information, please call (405) 974-2727.

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).

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), three years of history and citizenship skills (including 1 year of American History and 2 additional years from History, Economics, Geography, Non Western Culture), and 2 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 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 an admission counselor.

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) 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, or 3) 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 or to request application forms, 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 or click the apply link on the university's home page at www.uco.edu

Application Fee

All first-time applicants, 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 \$25.00 application fee with the Application for Admission.

To insure credit to the proper account, an applicant should write his/her social security number or student identification number on the check. 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. A person whose conduct has been such that if the applicant was a student at the time of the conduct in question and the conduct 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, Lillard Administration Building, Room 213 or (405) 974-2361. The University reserves the right to deny admission or readmission to any student based upon prior conduct and/or based upon prior illegal activity.

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. Students are required to take the placement tests in

the University of Central Oklahoma Academic Support Center if they: 1) have a subject score on the ACT test below 19, or 2) have not successfully completed a college level or approved remedial course in the subject. Other entry assessment activities are described in the section titled Admission Requirements. Students are contacted to participate in mid-level assessment evaluating the general education curriculum. Assessment of students upon graduation is dependent on the student's major. Students also participate in opinion surveys and the Graduating Student Survey to determine their level of satisfaction with UCO programs and services.

For information regarding entry level student assessment for admission to the University, contact the Academic Support Center, Thatcher Hall, Room 106, (405) 974-2520. For more information about the Academic Support Center visit: <http://asc.uco.edu/>. For all other questions concerning academic assessment, contact Chelli Gentry, Director of Assessment, Thatcher Hall, Room 106A, (405) 974-2539 or e-mail cgentry@uco.edu

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. 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 \$25.00 application fee with their Application for Re-admission. To obtain a re-admit application, click the apply button on the university's home page at 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 10 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 requirements 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 probational admission. To be considered for probational admission, students must have met all other applicable UCO admission criteria at the time of first college admission. Application for probational admission 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 probational admission following suspension from another institution, students must petition the Committee on Undergraduate Admissions and Academic Retention within prescribed deadlines. Petition forms are available in the Office of Undergraduate Admissions, Room 124 Nigh University Center. A person may call (405) 974-3741 to receive the form by mail or go to the website at www.uco.edu and click on the admissions link.

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 nonresident tuition in addition to other enrollment fees and must meet nonresident admission criteria. Members of the Armed Services stationed in Oklahoma and their dependents are eligible to apply for a waiver of out-of-state tuition. They remain classified as nonresidents and subject to nonresident admission criteria.

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 petition to determine residency may be obtained from the Office of Undergraduate Admissions, room 124 in the Nigh University Center.

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 plus proof of subsequent successful completion of a mini-

imum 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.

- A score of 6.0 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 is referred to as “national” which means it was taken on a national test date. These dates are scheduled a year in advance with one being offered approximately every other month. The other type is known 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. **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.**

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.

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.

New Freshman Admission

Admission to the University of Central Oklahoma as a first-time freshman student is based on high school performance, test results, 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 GPA and Class Rank
	Composite ACT or Combined SAT		
2010-2011	ACT 20 or SAT 940	OR	2.7 AND Upper 50%
OR			
2010-2011	2.7 GPA in 15 unit high school core		

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	Grammar, Composition, Literature
*Mathematics	3	Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus, or Advanced Placement Statistics
*Lab Science	3	Biology, Chemistry, Physics or any lab science certified by the school district; does not include General Science with or without a lab
History and Citizenship	3	Must include one year of American History and two additional units from History, Economics, Geography, Government, or Non-Western Culture
Additional	2	Additional units of subjects previously listed or selected from Computing Science, and/or Foreign Language

Students may be admitted if the asterisked (*) units are fulfilled and the student has scored a minimum subscore of 19 in the reading subscore area of the ACT.

These requirements and the alternatives that follow are subject to change by the Oklahoma State Regents for Higher Education.

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:

- If a student has deficiencies in English, math, or reading, the student may do one of the following:
 - 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.)
 - Take the Computerized Placement Test (CPT) and make the appropriate score in the curricular area in which the deficiency exists.
 - Take and pass the designated 0 - level course 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 curricular deficiencies and demonstrate a minimal level of proficiency in the subject areas of math, English, 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 math, English, 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 curriculum offered at UCO. The decision of this committee is final for that term.

Students interested in the alternative admission program should contact the Office of Undergraduate Admissions at 974-3741 for more information. The forms are available in the Office of Undergraduate Admissions located in Room 124 Nigh University Center or on the web at www.uco.edu from the Admissions link.

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 974-3741 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. Participate in the ACT or SAT program and achieve a 20 or higher composite score on the ACT or an 940 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. Seniors: Twelfth grade students enrolled in an accredited high school may be admitted provisionally to the University of Central Oklahoma if the student:
 - a. Has participated in the ACT.
 - b. Has achieved a composite ACT test score of at least 20 or a high school GPA of 3.0 and 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 Application for Concurrent Enrollment, high school transcripts, and admission test scores.
2. Juniors: Eleventh grade students enrolled in an accredited high school may be admitted provisionally to the University of Central Oklahoma if the student:
 - a. Has a composite score or combined score at or above the 72nd percentile on the ACT (Oklahoma norms, 23) ; OR a high school GPA of 3.5.
 - b. If the ACT composite is not at the 72nd percentile, but the student's subscore(s) are at the 72nd percentile, the student may enroll in course work in the discipline with the required score providing the student does not have a curricular deficiency in the subject area.
 - c. Has submitted Application for Concurrent Enrollment, high school transcripts, and test scores.
3. Home Study or Students from Unaccredited High Schools: Students receiving high school level instruction at home or from an unaccredited high school may be admitted provisionally to the University of Central Oklahoma if student:
 - a. Is 17 years of age or older, has participated in the ACT and achieved a score at or above the 50th percentile (20 for ACT) using Oklahoma norms; OR
 - b. Is 16 years of age, participated in the ACT program and achieved a composite or combined score at or above the 72nd percentile (on the ACT - 23).
 - c. Has an ACT composite combined score which is not at the 72nd percentile, but the student's subscore(s) are at the 72nd percentile, the student may enroll in course work in the discipline with the required score, providing the student does not have a curricular deficiency in the subject area.

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 where 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 Okla-

homa colleges and universities designed to remove high school deficiencies or take secondary institutional assessments.

A high school student concurrently enrolled in college courses may continue concurrent enrollment in subsequent semesters if s/he achieves 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.

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 Scholastic Aptitude Test 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 students's high school graduation. Students must take one college level course in English and one college level course in mathematics. 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.

H. Special (Non-Degree Seeking) Student

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 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 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 \$25 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 International Office 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 United States Immigration and Naturalization Service (INS). 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 INS prior to initial enrollment and must receive INS 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 International Student Office 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.)

After the above six requirements have been completed, the immigration form will be sent to the prospective student.

K. Correspondence Study (Flex Education) Admission

A student does not have to be admitted to the University of Central Oklahoma to take correspondence courses; conversely, enrollment in Correspondence Studies (Flex Education) does not constitute admission to UCO. Credits earned will not be applicable towards a degree at UCO until the student has been formally admitted and has secured approval from the appropriate academic officers. Students are encouraged to consult with an academic advisor before enrolling to ensure that credit will apply.

A maximum of 31 hours of correspondence credit may be applied towards a UCO degree. It is recommended a student enroll in no more than two courses at a time. Correspondence Studies from UCO may satisfy in-residence requirements but are not included in enrollment verification for Financial Aid, Loan Deferment Programs or for insurance eligibility purposes.

A student may take up to twelve months from the date of enrollment to complete a correspondence course, including the final exam. The minimum requirement for completion is six weeks from the date of enrollment; however, the realistic minimum completion time for any course is ten to twelve weeks. Upon completion, letter grades earned will be posted to an official UCO transcript with the designation "correspondence study."

The Flex Education Office adheres to all policies and regulations set forth in Students Rights and Responsibilities regarding: 1) Honor Codes, 2) Academic Policy, 3) Grade Appeals, 4) Dishonesty Policy, 5) Conduct, 6) Enrollment, and 7) Refunds.

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 (see 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 students' degree programs will be accepted in transfer.
 - 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 or State Regents' accredited institution, admission will be as first-time entering students.

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 and 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. Additional courses, however, may be required as prerequisites for a major or to meet certain professional certification requirements as defined by the state, for example, in teacher education if not previously taken. Responsibility to assure all university core requirements are met as part of the curriculum of the first degree 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 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 (Associate in Applied Science) from institutions carrying U.S. regional accreditation will be evaluated on a course-by-course basis and in accordance with university transfer policies.

The university core/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 (3000/4000) level 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 course areas in which he/she is the designated advisor. The Advisor will assume the decision is not in conflict with the Oklahoma State Regents for Higher Education's Transfer 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 who have demonstrated they successfully overcame these problems 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 4 courses not to exceed 18 semester hours of "D" or "F" grades and have the first attempt excluded from Retention GPA calculations. Only the first 4 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 GPA's. 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 "repeat form." Unless the form is received, all courses attempted will contribute to the graduation/retention GPA.

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 adjustment of the record results in reducing the student's total credit hours or grade point average below required levels.

Academic Reprieve Policy

The Academic Reprieve Policy allows undergraduate students to have one semester or two consecutive semesters which were below the 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 reprieve request.
2. Students 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) excluding performance and activity courses since the semester(s) requested to be reprieved.
3. The student must be currently enrolled at UCO or seeking 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.

4. Students may receive only one academic reprieve during their entire academic career.

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. If the student's request is for two consecutive semesters, the institution may choose to reprieve only one semester.
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 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 \$10.00 I.D. fee when the I.D. card is issued. The fee may be paid at the Bursar's Counter on the first floor (when other tuition and fees are paid). Students must go to the I.D. Office, Nigh University Center, Room 128, to have their pictures taken. Students must provide a current enrollment form and one other 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.

Identification cards must be validated each semester at the Bursar's Counter at the time student fees are paid. A replacement fee of \$10.00 will be charged for a new I.D. card.

Programs with Selective Admission

Several undergraduate programs at the University of Central Oklahoma have admission requirements which exceed minimum university standards. Programs of this type are classified as "Selective Admission Programs." These additional requirements may include a higher grade point average, required audition or interview and/or other criteria. All additional admission requirements must be satisfied for consideration. University admission does not guarantee admission into a "Selective Admission Program."

This section contains programs which have higher or specialized admission requirements.

Career and Technology Education

The Allied Health Education and Trade and Industrial Education majors in the Career and Technology Education program have specialized admission to Teacher Education criteria that differ from those of other education programs at UCO. For specific details contact the Department of Occupational Technology Education at 974-5741.

Contemporary Music Performance / Production

Admission to this program is selective. To be eligible for admission, an individual must have:

- 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, *;
- participated in the American College Testing (ACT) program or a similar battery of tests;
- completed an interview, audition and/or submitted a demo recording;
- been selected for admission by the selection committee.

Those who are not U.S. citizens or resident aliens should contact the Office of International Services for specific admission information.

* Non-Native English speakers must meet OSRHE minimum English proficiency requirements.

Other Information

- Two classes will be selected each academic year. Students must contact the Academy of Contemporary Music for application deadlines and audition and/or interview schedules.
- Students must enroll in the entire group of courses each semester.
- All university requirements must be completed prior to graduation.

Funeral Service

All funeral service students must apply for admission to the funeral service program. Each applicant must provide an official transcript of high school or college work that is directly mailed from the institution where the credits were received. Said transcripts must be sent to: Department of Funeral Service, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034.

To apply for admission, please visit <http://www.uco.edu/funeral/application>

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 during their sophomore year (after completing 40 semester hours and meeting criteria below) to the Council on Teacher Education. Application must be made according to published dates. There are two rounds of applications in the fall and spring semester. Candidates must be admitted to the teacher education program to enroll in restricted, professional courses. No late applications will be accepted. Periodically, admission guidelines and requirements change. It is the responsibility of the individual seeking admission to meet requirements that are in place at the time of application to teacher education. Therefore, individuals should review the most recent UCO catalog and teacher education handbook to determine the most current admission requirements.

Conditions for admission to teacher education effective Fall 2009 are:

- Have already successfully completed 40 semester hours of college credit.
- Continue to meet the standard prerequisite for admission to teacher education:

For those enrolled as entering freshmen, transfer students, or those seeking certification beginning Fall 2009,

Achieve a minimum grade point average of 2.75 in all subjects completed at UCO or other colleges or universities to the time of application;

OR

Achieve a minimum grade point average of 3.0 in the previous thirty credit hours at UCO.

NOTE: Those enrolled prior to Fall 2000 and maintaining continuous enrollment should contact Teacher Education Services (ED 207) for more information regarding admission standards

All coursework taken in degree certification major or common courses required for majors and for professional teacher education must be completed with no grade lower than "C" after August 15, 1990

- Demonstrate proficiency in written and oral English as indicated by having a grade of "C" or better in six hours of English Composition.
- Complete Felony Questionnaire and Accuracy Statement. Complete Code of Ethics.
- Early Childhood, Elementary, and Special Education majors must make a "C" or better in all supportive coursework (4 x 12 coursework) completed at point of application. All substitutions must be completed with a grade of "C" or better.
- Show documentation of his/her experiences working with children (completion of PTE 3023 or concurrent enrollment will satisfy this requirement).
- Pass the Oklahoma General Education test (OGET).
- Interview with a departmental advisor.
- Receive formal approval by the Council on Teacher Education.

Students transferring to the University of Central Oklahoma from other institutions will be expected to meet the above conditions before beginning teacher education training.

All students will be required to compile a Teacher Education Portfolio. The portfolio is checked periodically and will need to be up-to-date for Admission to Student Teaching.

Students of junior standing who come to the University of Central Oklahoma for a summer term only and plan to transfer back to the school from which they came may be permitted to enroll in teacher education courses provided they bring a letter from an appropriate official, i.e., advisor, registrar, or dean stating they would be permitted to enroll in such courses at their home college.

Students will be notified as to the status of their applications the day after the meeting of 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 made no later than Friday of the third week of the fall semester to enroll in student teaching in the spring term and not later than Friday of the third week of the spring semester to enroll in student teaching for the fall semester. 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, 2000 are:

- A. Admitted to Teacher Education or submission of concurrent application.
- B. Continue to meet the standard prerequisite for admission to teacher education:

For those enrolled as entering freshmen, transfer students, or those seeking certification beginning Fall, 2009,

Achieve 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".

NOTE: Those enrolled prior to Fall, 2000 and maintaining continuous enrollment should contact Teacher Education Services (ED 207) for more information regarding admission to student teaching standards.

- C. Complete the following courses prior to student teaching:

PTE 3023	Foundations of American Education
PTE 4133/53/63	Child/ Adolescent/ Developmental Psychology
SPED 4123	Teaching Individuals with Disabilities
IME 3312	Technology for Teachers
PTE 4533	Educational Psych/Field Experience
PTE 4172	Educational Assessment
- D. All candidates must have a "C" or better in 6 hours of English composition and 3 hours of speech communication.
- E. All candidates must have a "C" or better in all major and PTE coursework taken.
- F. Students must have completed three-fourths of the course work required in the field(s) in which the 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.

- G. The basic methods course(s) in the area of specialization in which the student plans to do student teaching must be completed prior to student teaching.
- H. Beginning Fall 1997, students admitted to an Oklahoma college or university as a freshman OR out-of-state students transferring to an Oklahoma college or university OR degreed candidates seeking initial certification must meet the Foreign Language Proficiency Requirement and provide documentation of completion.
- I. Early Childhood, Elementary, and Special Education must achieve a grade of "C" or better in each course required in the 12 semester hour concentrations in Language Arts, Mathematics, Science, and Social Studies.
- J. Students must complete portfolio requirements for all courses taken up to the point of admission to student teaching. Beginning and mid-point checkpoints should be complete at the time of application to student teaching.
 - I. Pass the following certification tests prior to student teaching:
 1. Oklahoma General Education Test (OGET)
 2. Oklahoma Subject Area Test (OSAT) in major or area of specialization.
 - J. Students must receive approval of the chairperson of the department in the subject matter field.
 - K. Students must receive formal approval by the Council on Teacher Education.

Teacher Certification

Licensure/Certification Procedures for Persons Graduating In-State and General Regulations for Eligibility

Special Note: Certification requirements established by the Oklahoma State Department of Education and the Oklahoma Commission for Teacher Preparation changed beginning September 1, 1999. Individuals who obtain certification after that date are subject to these new regulations.

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 a bachelor's degree for 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 is located in the Education Building, Room 207, telephone (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 should:

- A. Complete all courses identified for general education and the respective professional education and specialized areas.
- B. 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 equivalent, substitutions are NOT necessary.
- C. Completed the process for being admitted to the teacher education program, following the procedures and guidelines enumerated earlier in the section entitled "Admission Requirements."
- D. Completed the student teaching process following the procedures and guidelines enumerated earlier in the section entitled "Admission Requirements." Guidelines are in Teacher Education Services.
- E. Apply to take the appropriate state certification examinations according to UCO guidelines and suggested timeline. Application is made on the examination website at www.ceoe.nesinc.com.
- F. Must have completed the final checkpoint of the portfolio requirements for all courses, including student teacher artifacts, at time of application for licensure.
- G. 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 license from Teacher Education Services.
- H. Applicants must submit the application for recommendation, official transcript, with degree posted to Teacher Education services. If courses needed for certification were completed at an institution other than UCO, official copies of those transcripts must be submitted with the application form for certification. UCO will not supply official copies of transcripts from other universities. Applications cannot be processed without official transcripts showing all required course work.
- I. Effective November 1, 2001, Oklahoma requires applicants for initial teacher licensure to have on file with the Oklahoma State Board of Education a current OSBI and FBI fingerprint-based criminal history record. Fingerprint cards for this purpose are available in the Education Building, Room 207.
- J. When the Certification Officer at UCO completes the review of course work with respect to the appropriate UCO approved program requirements and certifies that those requirements have been completed and the Dean concurs, the application is then forwarded to the Teacher Certification Section of the State Department of Education.

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 Educational Psychology 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. Oklahoma General Education Test (OGET) must be passed for admission to teacher education.
2. Oklahoma Subject Area Tests (OSAT) must be passed prior to the student teaching semester.
3. Oklahoma Professional Teaching Examination (OPTE) specific to the teaching level of the certificate sought.

Applications and study guides for state certification examinations are available from National Evaluation Systems online at 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 Issuance of a License

The State Board of Education shall issue a license to teach to any person who completed his/her initial teacher education program after January 31, 1982, has not taught in a state accredited elementary or secondary school for a minimum of one year and completed the residency-year requirements, 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):

- A. 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.
- B. 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).
- C. Has made the necessary application for the certification exams and paid the curriculum examination fees.
- D. Has received a passing score on the certification examinations.
- E. Has made application to the State Department of Education on the appropriate State of Oklahoma form and paid the appropriate application fee for each class of certificate sought.
- F. 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 Dean and by the Director of Teacher Education.
- G. Has met all other requirements as may be established by the State Board of Education including meeting the residency requirement at the time of application for certification. The applicant should contact the State Department of Education regarding current residency requirements.

Issuance of Certificates

The State Board of Education shall issue a certificate to any person who meets all of the following requirements:

If the individual completed his/her initial teacher education program after January 31, 1982, he/she must have passed the applicable state certification examinations, completed one year of teaching in a state accredited elementary or secondary school, and for Oklahoma teachers, have successfully completed the residency-year program and received recommendation by the residency-year committee. The individual must then make application to the State Department of Education and pay the certification fee. (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 their certification requirements.)

Issuance of a License or Certificate for Additional Certification Areas

Individuals who currently hold a valid Oklahoma license or certificate who desire UCO recommendation to obtain certification in another specialization area, must complete the following:

- A. Complete the specialization area courses based on the UCO state approved program.
- B. Complete a minimum of the last nine semester hours toward the new certification area through the University of Central Oklahoma.
- C. Satisfactorily complete the applicable state certification examination(s).
- D. Complete the appropriate developmental psychology course (e.g. child, adolescent, or developmental) for the level of the new certification area if the course was not completed previously (see the professional education work sheet for the new specialization area).
- E. Complete the course SPED 4123 Teaching Individuals with Disabilities if not previously completed.
- F. Make application for the new license/certificate through Teacher Education Services following the required procedures

Other criteria may be required for those who want to obtain additional certification in Elementary, Early Childhood, or Special Education. Check with the Teacher Education Services office for specific information.

For advanced certification requiring a master's degree, see 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).

- A. License - The class of certification for entry-level teachers is a license. Application for licensure is made through UCO and is valid for one year.
- B. Certificate - The license will be changed to a certificate upon successful completion of the residency year program and application to the State Department of Education for a certificate. Application is made directly to the Oklahoma State Department of Education and is valid for five years.
- C. Emergency Certificate (granted only by the Oklahoma State Department of Education) - This is issued only in emergency cases upon request and recommendation from a local

school superintendent who shall state the schools' intention to employ the applicant if the certificate is granted. All such certificates are valid only within the school district upon whose request they are granted. For those individuals who obtain emergency teaching certificates, it is recommended that they contact the Director of Field Experiences in Teacher Education Services prior to the beginning of the school year during which their emergency certificate is valid and discuss the alternative plan for student teaching.

Any person who obtains an emergency teaching certificate to teach in an Oklahoma accredited elementary or secondary school and has had no student teaching experience may complete the alternative plan for student teaching. The plan requires that the individual enroll in the four-semester hour in-service supervised teaching experience at the University of Central Oklahoma (permission and documentation of employment is required for enrollment). The in-service supervised teaching experience shall be completed during the first year that the teacher is employed in an accredited school. Permission from the school superintendent for participation in the in-service supervised teaching experience is required, and the individual must be supervised by UCO.

To complete a teacher certification program at UCO and to be recommended for teacher certification by UCO, the individual must have been admitted to the University of Central Oklahoma Professional Teacher Education program. The individual completing the alternative plan for student teaching must follow the guidelines presented in the section "Admission Requirements".

The number of semester hours of professional education normally required for the certificate sought may be reduced by the number of student teaching semester hours that are required. This reduction may be made if the student successfully completes the four semester hours of in-service supervised teaching experience.

Upon the completion of one year of teaching, the in-service supervised teaching experience, the residency year assistance program, successful completion of the appropriate certification examination(s), and other requirements appropriate to the certificate sought, the applicant may be recommended for a certificate.

License Requirements

All teachers who meet the requirements of an approved certificate program after January 31, 1982, and have not had at least one year of experience as a classroom teacher prior to that date will be required to hold a Residency Year License during the first year (or two years) that they are employed in the teaching profession in the accredited schools of Oklahoma. Every beginning teacher (zero [0] years of experience as a classroom teacher) shall serve under the guidance and assistance of a Residency Committee.

Procedures

The process of establishing a resident teacher's committee is usually initiated by the principal of the school where the resident teacher is employed. The principal selects a mentor teacher and then contacts the university where the resident teacher completed his or her teacher education program. The university then provides the principal with the name of the university representative to serve on the Resident Teacher's Committee.

The responsibilities of the administration of the school district are to notify the university of the residency teacher's employment and to set up the first committee meeting within the first twenty

days of employment. If for some reason, the administration has not notified the university, it is recommended that the residency teacher either contact the public school administrator or call the university.

Application for a Certificate

Upon successful completion of the residency year the resident teacher is provided with a document to be filed with the Professional Standards Division of the State Department of Education. This document is used to obtain the standard certificate. The State Board of Education shall issue a certificate to teach to any person who meets all of the following requirements:

1. Holds a current license to teach;
2. Has completed a minimum of one (1) school year as a residency teacher;
3. Has received passing scores on the OGET, OSAT, and OPTE examinations;
4. Has been recommended for certification by the Residency Committee.

Residency Information

The Resident Teacher Program was initially implemented as a result of the Teacher Reform Act of 1980 (House Bill 1706). In 1995, House Bill 1549 changed the name from Entry-Year Assistance program to Resident Teacher Program. The intent of legislation is to establish qualifications of teachers in the accredited schools of this state through licensing and certification requirements to ensure that the education of the children of Oklahoma will be provided by teachers of demonstrated ability.

The licensed teacher is required to participate in the Resident Teacher Program during the initial year of teaching in an accredited school under the guidance and assistance of a Resident Teacher Committee in order to qualify for an Oklahoma teaching certificate.

"Resident Teacher Committee" is defined as a committee in a local school district for the purpose of reviewing the teaching performance of a resident teacher and making recommendations to the Board and the preparing institution of higher education regarding certification of the resident teacher. A Resident Teacher Committee shall consist of a mentor teacher, the principal or an assistant principal of the employing school or an administrator designated by the local board, and a teacher educator in a college or school of education of an institution of higher learning or, an educator in a department or school outside the institutions' teacher education unit. If available, qualified mentor teachers shall have expertise in the teaching field of the resident teacher and, if possible, the higher education member of the Resident Teacher Committee shall have expertise and experience in the teaching field of the resident teacher. However, in all cases, at least one member of the Resident Teacher Committee shall have expertise and experience in the teaching field of the resident teacher (House Bill 1549).

The Resident Teacher Committee is responsible for:

1. Working with the resident teacher to assist in all matters concerning classroom management and professional development.
2. Making a recommendation regarding certification.
3. Making a recommendation for a professional development program for the resident teacher designed to strengthen the resident teacher's teaching skills in any area identified by the committee.

Teaching Certificate Programs Available through the University of Central Oklahoma

Art
 Bilingual/ESL - Masters level program
 Business
 Early Childhood
 Elementary Education
 English
 Foreign Languages
 French
 German
 Spanish
 Mathematics
 Music: Instrumental/General
 Music: Vocal/General
 Physical Education/Health Science
 Social Studies
 Special Education
 Mild/Moderate Disabilities
 Severe-Profound/Multiple Disabilities
 Speech/Drama/Debate (Theatre/Communications)
 Career-Tech Programs
 Career and Technology Business
 Career and Technology Health Occupations
 Family and Consumer Sciences
 Career and Technology Family and Consumer Sciences
 Marketing Education
 Trade and Industrial Education
 School Counselor
 Library Media Specialist
 School Nurse
 School Principal
 School Psychologist
 School Psychometrist
 Reading Specialist
 Speech-Language Pathologist

Admission to Upper Division of Nursing

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 courses. 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.

In selection of candidates, the faculty are guided by the following criteria:

- A. 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. Students may enroll a maximum of two times in any nursing course.
- C. References by three professors under whom the student has had recent instruction.
- D. Score on the Test of Essential Academic Skills (TEAS).
- E. A criminal background check.

- F. Meet "Performance Standards for Admission and Progression in the Department of Nursing".
- G. Nursing courses (after admission to the program) will begin with NURS 2101 and NURS 2206. NURS 1221 and NURS 2113 may be taken prior to, or concurrently with NURS 2101 and NURS 2206. All university core and pre-professional courses must be successfully completed prior to beginning Upper Division (3000 level) nursing courses.

International students (i.e. students for whom English is a second language regardless of resident status) must have a minimum TOEFL score of 530 on the written examination or equivalent on computer internet version.

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.

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 four lower division nursing courses (NURS 1221 - Introduction to Nursing, NURS 2206 - Foundations of Nursing, NURS 2113 - Individual and Family Development Through the Lifespan, and NURS 2101 Success in Nursing 1) must be completed at UCO before entering the junior year of nursing. Call the Department of Nursing for detailed information.

Career Ladder Students (R.N.s)

Registered nurses who have graduated from an NLNAC accredited associate degree program may be eligible for matriculation into the program without taking the extrainstitutional exams for the sophomore and junior years provided certain criteria are met. For further information regarding these criteria, contact the nursing department. R.N.s who do not meet the matriculation criteria, may petition to take extrainstitutional exams for sophomore and junior level nursing courses. For more clarification or more information contact the Career Ladder Coordinator.

The senior level nursing courses, which focus on nursing research, community health, and leadership/management, must be completed at UCO. Individualized clinical experiences are jointly planned by students and faculty.

A conference with the Career Ladder Faculty Advisor or Chairperson of the Department of Nursing and a plan of study are required before beginning the program.

Progression in the Program

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.

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.
- G. Drug screening is required.

**National League for Nursing Accrediting Commission
3343 Peachtree Road NE
Suite 500
Atlanta, GA 30326
Phone: 404-975-5000
Fax: 404-975-5020
Website: www.nlnac.org

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 thirteen 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.

It is the student's responsibility for class selections 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 be advised 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, are the student's responsibility.

Declaring a Major

On the Application for Admission, students indicate their educational intentions while attending the University of Central Oklahoma. 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 system by the Academic Advisor.

Students wishing to change their major/degree programs or educational intentions must complete a "Change of Major/Minor" form available in the Center for Undergraduate Academic Advisement, in the Nigh University Center, Room 121 or complete the form online at <http://broncho2.uco.edu/advisement/forms.html>.

A student may earn multiple majors, multiple minors, or a major and a minor within a bachelor's degree. Students cannot earn a bachelor's degree with multiple majors, multiple minors, or a major and minor in the same program, except in a Foreign Language program.

Discontinued Major

A student has three years to complete a degree after a major has been inactivated. A student may not declare a major that has been inactivated regardless of the student's catalog year.

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.

Degree Audit

The degree audit compliance report is an individualized appraisal for students using their specific major and catalog. A degree audit compliance report can include such detailed information as the major requirements which have been satisfied, the courses applied to each requirement, the semester courses were taken, the grade in each course, and the requirements that remain incomplete. The degree audit compliance report can be a useful tool in the advisement process, but should not replace other valuable university resources. Students wishing to create a degree audit compliance report can process the request online through UConnect. An academic advisor can assist individual students with obtaining a degree audit compliance report or an alternative evaluation of degree status.

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 extracurricular credit.
3. 15 of the last 30 semester hours from UCO exclusive of extra-institutional credit must apply toward the degree 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.
9. 30 unique hours in each major are required for students earning most double majors.

B. Credit Hour Maximums:

1. 120 of the 124 semester hours required for graduation must be coursework exclusive of physical education activity courses.
2. Up to 6 semester hours of workshop credit (courses numbered 3000 – 3006) 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 and a major and/or a minor.
2. A course may not count in more than one area of the university core.
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 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. Extracurricular examination credit such as CLEP, AP, etc., is 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 work, 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 their first 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 subsequent) degree include:

- 30 additional undergraduate credit hours beyond the awarding of the previous bachelor's degree*
- 12 additional hours in the major not used in the first degree
- 15 of the last 30 hours in residence at UCO (excludes extra-institutional credit)
- 12 hours of upper division course work not used in first degree
- GPAs required for the degree/major (overall, major, UCO)

A second bachelor's degree with a major in General Studies is not available.

The major of a second or subsequent degree may be within the same program as the major of the first (or previous) bachelor's degree but will differ at the major level.

*Any remaining course work beyond the courses in the major to fulfill the 30 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 advising center, must have department chair and student signatures, and becomes official when received by the academic advisor in the advising center.

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 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 participate in the spring ceremonies. The graduation fee will be applied to the student's account at the time of application. It may be paid at the Cashier's window in the Nigh University Center. Application for Graduation forms should be completed on-line at <http://www.uco.edu/registrar/advisement/gradapp.htm>.

Students apply online for Graduation prior to the semester in which they plan to graduate. They should apply no later than July 1, 2010, for fall 2010, no later than November 1, 2010 for spring 2011, and no later than March 1, 2011 for summer 2011 in order to avoid an additional late fee. Students applying for graduation later than the deadlines above will be charged an additional \$25 above the early graduation fee. Students who complete their degree requirements should receive diplomas by mail approximately four to five weeks following the last day of class in the semester in which they graduate.

Transcripts reflecting notations of degrees earned in the previous semester are available approximately two weeks 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:

Graduation Honors	GPA Required (not rounded up)	Minimum UCO hours completed to be eligible for graduation honors
Summa Cum Laude	3.9 or higher	45
Magna Cum Laude	3.8 - 3.89	45
Cum Laude	3.7 - 3.79	45

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 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 Support Services shortly after October 15 for fall graduation and March 15 for spring graduation.

Commencement

Degrees are conferred three times yearly at the close of the fall, spring, and summer terms. Commencement ceremonies are held in the fall and spring semesters only. Summer graduation candidates participate in the spring ceremonies. Candidates should apply for graduation according to published deadlines. The graduation date indicated on the University of Central Oklahoma transcripts will be the last official day of the semester at the close of the fall, spring, or summer terms.

Degrees Delayed

Courses with incomplete grades changed to permanent grades, grade changes and/or course substitutions not submitted within four weeks after the end of the semester will have official conferment of the degree at the next graduation time. For this to occur, however, reapplication for the next graduation semester and payment of an additional graduation 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. 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 hours each fall and spring semester.

Enrollment in correspondence courses does not count toward a student's enrollment status (full or part-time). For example, if a student was enrolled in nine semester hours on-campus and in a three semester hour correspondence course, the student would only be considered a part-time student based on the nine semester hours of on-campus enrollment.

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 or drop will 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 term.

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 class.

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 extracurricular examination or correspondence through the Flex Education 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 stand alone session but rather as part of the entire semester or term. In summer four week blocks, students are limited to six hours maximum enrollment.

When enrolling for classes, students will not be allowed to enroll in overlapping classes, in particular, classes with conflicting hours and days.

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 hours credit 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.

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 failing the course but is allowed to drop or withdraw after the established deadlines.

SYMBOLS USED TO INDICATE COURSE STATUS

Symbol	Note	Symbol	Note
I	INCOMPLETE	W	WITHDRAWAL
AW	ADMINISTRATIVE WITHDRAWAL	N	GRADE NOT REPORTED
AUD	AUDIT	X	THESIS IN PROGRESS

- P Passing - given for workshops, student teaching, physical education activity courses, and extracurricular 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 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.
- *AUDIT - awarded when students formally audit classes.
- *AUD-U - 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, veterans' benefits, or athletic eligibility.

Course Prerequisites or Corequisites

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. Most 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.

Prerequisites and corequisites 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 and corequisites 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 web class listings. Some prerequisites may be taken concurrently, and are listed as such in the course descriptions.

Students are allowed to in a course which requires a prerequisite or corequisite in which they are currently enrolled. Their class registration for the advanced course may be dropped by the university if they subsequently fail or drop the prerequisite/corequisite course taken the previous semester.

Adjusting a Class Schedule

Each semester there is an established time during which students may adjust their class schedule tuition and fees penalty. The course adjustment (add) period ends after one week for fall or spring, beginning with the first official day of classes for that semester and proportionately shorter for summer and block courses.

Students should consult the fee adjustment and refund policy and corresponding dates which can be viewed on-line at <http://uconnect.uco.edu> each semester before adjusting their class schedules.

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 by using the Web. Complete withdrawal from the current semester enrollment once the semester begins must be initiated in Undergraduate Admission. Students should complete the withdrawal form, obtain all necessary approvals and return the form to Undergraduate Admissions front offices. A student may drop an individual class or more than one class on the web as long as it is not their last enrolled class during the first eleven weeks of the fall/spring semester or by using a Drop/Add form in the Undergraduate Admissions Office if after the transaction s/he will still remain enrolled at UCO. Until the withdrawal form has been processed by a service representative in Undergraduate Admissions, the student is not considered officially withdrawn.

A student may drop an individual class or more than one class on the web as long as it is not their last enrolled class during the first eleven weeks of the fall/spring semester or by using a Drop/Add form in the Undergraduate Admissions Office if after the transaction s/he will still remain enrolled at UCO.

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 completely withdraw or drop an individual class will generally receive “F” grades.

Whenever a withdrawal deadline ends on Friday, students will have until midnight at the end of the weekend to drop all but the last class using the web. The ability to withdraw in person will end on the deadline date at the time of office closing.

Students who withdraw during the first two weeks of a 16-week term (or appropriate date for a short term class) will have the term “withdrew” and the date listed on their university transcript without the course(s) being identified.

Students should check the calendar in the student information system to find the last date they may completely withdraw from all classes.

A student unable to complete a withdrawal or drop an individual class by the 11th week of a regular semester (or the 6th week of an 8-week summer semester) may petition the Director of Admission and Records Processing for an exception. 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 circumstances or an emergency AND the instructor confirms the student’s absence and other relevant information. Unforeseen circumstances and/or an emergency (hospitalization, work, transfer out of state) must be documented. Missing the last day to withdraw is not considered an emergency.

Poor academic performance or lack of deadline awareness will not be a consideration for approval.

All requests for late/emergency withdrawals must be initiated within one year of the semester in which grades were assigned. Requests received after one year will not be considered. 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 with-**

drawals and drops after the deadline will be reflected on the transcript as “W” for passing or “F” for failing. A late withdrawal can have significant negative impact on financial aid.

Administrative Withdrawal for Non Attendance - Students who never attend courses in which they are enrolled 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 Examinations Policies

1. Final Exams - 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 exams 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, activity physical education, or remedial courses) 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, 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, W and X do not contribute to the retention GPA. Repeats in excess of four courses are averaged in calculating the retention GPA.

Retention Status

All students at the University of Central Oklahoma will be classified in one of the following statuses for retention purposes:

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 new on freshman academic notice will be required to take a two credit hour success strategies class designed to assist them in their academic recovery.

Academic Notice - Any student in an area of study with higher academic standards whose GPA falls below the retention requirements but remains higher than 2.00.

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 45 earned credit hours who are new on probation may be required to take a two hour success strategies class 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 s/he fails to raise his or her retention GPA to the required retention GPA level (retention requirements) or achieve a 2.00 semester GPA in regularly graded course work, not to include activity or performance 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 2010 - 2011

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.

All students who have less than 30 credit hours and are new on probation or on academic notice must take UNIV 2012, Success Strategies, to remain in good standing.

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 by attendance at another accredited institution, they have raised their retention grade point average to a minimum of 2.0.

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 this 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

One time suspended students will be eligible to apply for readmission to the University of Central Oklahoma 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 \$25 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 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 probational admission. To be considered for probational 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 probational admission following a suspension from another institution, students must petition the Committee on Undergraduate Admissions and Academic Retention. Petition forms are available in the Office of Undergraduate Admissions, room 124 in the Nigh University Center or online at www.uco.edu and clicking on the admissions link.

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.

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 probational admission of probation or suspended students from other institutions; and other exceptional and extraordinary individual applications.

Students who feel they have extraordinary personal circumstances which contributed to their academic difficulties may obtain an Academic Retention Appeal Petition from the Office of Undergraduate Admissions. Students requesting Alternative Admission, transfer probation, Adult Admission, or desiring to appeal an admissions decision may obtain a Petition for Admission from the Office of Undergraduate Admissions.

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 re-admission, 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 probational admission, a written request 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 deadline.

Serviceman's Opportunity College

The University of Central Oklahoma is a Serviceman's Opportunity College (SOC) serving active military, guardsmen, and reservists. As a SOC institution, the university will assist eligible military in completing degree requirements by approving enrollment at another institution to be transferred toward the completion of degree requirements, subject to meeting the institution's residency requirement.

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, when applicable to a service member's program. Credit is also awarded for completion of basic or recruit training. The University of Central Oklahoma's policy concerning the awarding of extracurricular credit for the completion of CLEP, DSST, ACT/PEP, and USAFI, can be found

in the current Serviceman's Opportunity Colleges Guide and in brochures available in the UCO Testing Center.

Concurrent Admissions 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 By Extracurricular Examination

Students or prospective students of the University of Central Oklahoma are encouraged to consider earning college credit by taking extracurricular examinations. Tests covering many courses are available to students who may have acquired college level knowledge or skill outside the classroom. At UCO two kinds of examinations are used to evaluate proficiency: nationally standardized tests and departmental examinations. Applications for nationally standardized tests can be obtained in the UCO Testing Center. To take a departmental exam, a student must first obtain permission from the chairperson of the department in which the course is offered. The University of Central Oklahoma awards extracurricular credit only in those academic disciplines taught at the University subject to the following:

- A. Students must be enrolled at UCO.
- B. Credit by extracurricular examination is provisional and will be placed on a transcript only after the successful completion of a minimum of 12 semester hours of residence credit from the University of Central Oklahoma (Extracurricular credit is not resident credit.);
- C. The student must not have previously received a grade from an equivalent course at the college level;
- D. A student must earn a test score which is equal to or above the mean level for both locally administered and national examinations;
- E. Methods of evaluating students' previous learning experience for awarding extracurricular credit are as follows:
 1. Departmental Examinations (made by an instructor may include performance testing);
 2. Standardized National Tests especially designed for establishment of credit. Tests such as the College Level Examination Program (CLEP), the Advanced Placement Program (AP), International Baccalaureate (IB), and DANTES of the College Entrance Examination Board are examples of tests that may be used to establish extracurricular credit;
 3. Recognition of Military Training Schools. Credit awarded for military training schools shall be based upon credit recommendations contained in the publications of the American Council on Education;
 4. Credit will be based upon those recommendations contained in publications of the American Council on Education for non-collegiate sponsored instruction such as business and industry, labor unions, and governmental agencies.
- F. To take Departmental Examinations, students must pay the approved per credit hour test fee and obtain prior approval

from the department chairperson. The fee for standardized national examinations is set by the appropriate National Testing Agency;

- G. Examinations must be taken within 30 days after making application. FEES FOR DEPARTMENTAL EXAMINATIONS ARE NOT REFUNDABLE;
- H. Extracurricular examinations may not be taken as graduate credit;
- I. Credit is listed on student transcripts as Extracurricular and will show a grade of "P"(Passing). If an examination is failed, no record will be made on the student's transcript, and the test may not be repeated within six months. If a departmental examination or subject national examination is taken, credit will be listed on student transcripts identified by the department offering the course, course number and title. Credit earned by passing General CLEP and professional examinations will be listed by the area or title and the amount of credit hours earned. The General CLEP examinations can apply only to the institution's Bachelor of Science Degree program in General Studies. The following statement will appear on the student records below any CLEP General Examination credit: The General CLEP Credit is valid only as part of the Bachelor of Science Degree Program in General Studies;
- J. All credit earned by Extracurricular Examination at the University of Central Oklahoma must be:
 1. The result of an examination method approved and administered by the University of Central Oklahoma; OR
 2. A result of examinations administered by other accredited colleges or universities. An official academic transcript from the administering college or university must be sent directly to the University of Central Oklahoma. In the case of a nationally standardized examination, scores must be reported on the testing agency's official score report form;
- K. Extracurricular credit, once recorded and validated at an institution in the Oklahoma State System of Higher Education, is usually transferable on the same basis as if the credit had been earned through regular study at the awarding institution. (Students are advised to check with the institution from which they plan to graduate concerning the school's policy on the acceptance of extracurricular credit.)

Non-collegiate sponsored instruction transferred to UCO without credit recommendations according to the American Council on Education must be validated by extracurricular examination.

Departmental Exams are offered by the following:

College of Fine Arts and Design - Art, Design, Music, Theatre Arts, and Dance.

College of Business Administration - Accounting, Economics and International Business, Finance, General Business, Information Systems and Operations Management, Management, Marketing.

College of Education and Professional Studies - Human Environmental Sciences, Advanced Professional Studies, Kinesiology and Health Studies, Professional Teacher Education, Occupational & Technology Education.

College of Liberal Arts - English, History, Geography, Journalism, Communications, Political Science, Sociology and Criminal Justice, Modern Languages.

College of Mathematics and Science - Biology, Chemistry, Computing Science, Nursing, Mathematics, Physics, Statistics.

The UCO Testing Services Office has a complete list of examinations.

The following standardized examinations: National subject and General CLEP, DANTES, International Baccalaureate, and Advanced Placement Program Examinations are available and/or accepted for credit: Standardized Subject Examinations (CLEP and DANTES).

Advanced Placement Program (APP)

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 credit to students who receive a score of 3, 4, or 5 on selected tests with exception of chemistry which requires a 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.

International Baccalaureate (IB)

This program also recognizes high school accelerated courses. Students who have participated in IB courses and scored on the national exam at the appropriate level may be eligible to receive college credit. Students interested in this program should contact the Office of Enrollment Services at 974-2332 for more information.

Enrollment Fees

For up to date and current fees, please check out the following link.

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, he/she is no longer eligible for undergraduate honor rolls. Honor rolls are not calculated in the summer.

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". Correspondence credit will not be calculated in this determination.

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." Correspondence credit will not be calculated in this determination. 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 in scholastic work during the year. The name of the winner is announced after the close of the spring semester. This award is made using the following criteria and is determined by the Registrar.

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 for the year's work including 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 work. 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:
http://www.uco.edu/academicaffairs/grade_appeal_process_for_student.htm

Rights and Responsibilities

Family Educational Rights and Privacy Act

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's 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.

What Documents Are Considered "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 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 Undergraduate Admissions, NUC 124.

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 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). 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 so long as the disclosure is for purposes related to the student's enrollment or transfer; lending institutions of which the student has applied for 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 pick and choose what is not disclosed.

Attempts by other individuals or organizations to access student records without the written consent of the student are considered a violation of University policy/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 Undergraduate Admissions/Enrollment Services 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 Office of Undergraduate Admissions.

Access Rights

The right of access shall include:

- The right to be provided a list of the types of educational records maintained by the institution that are directly related to students;
- The right to inspect and review the content of those records;
- 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;
- The right to a response from the institution to reasonable requests for explanations and interpretations of those records;
- The right to an opportunity for a hearing to challenge the content of those records (see Hearing Procedures section below for more information); and
- 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

- The hearing shall be conducted and decided within a reasonable period of time following the request for the hearing;
- 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;
- 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;
- 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 insurance is available in the Student Health Center. 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 52 million dollars in federal, state, and private aid to more than 9,600 students annually.

Office of Student Financial Aid
University of Central Oklahoma
Nigh University Center, Room 141
100 North University Drive
Edmond, OK 73034-5209
Phone: (405) 974-3334
FAX (405) 340-7658
Federal School Code: 003152
Web Address: <http://www.uco.edu/finaid/>

Applying for Aid

Students may apply for Federal Financial Aid by completing the Free Application for Federal Student Aid (FAFSA). Applications are available after January 1 of each year. These applications may be found in the following areas:

1. Colleges or Universities
2. Public Libraries
3. High School Counselors Offices
4. Internet: www.fafsa.ed.gov

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.

The Office of Student Financial Aid provides consumer information to assist applicants. This information can be found on the web site.

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.
April 30th - Oklahoma Tuition Aid Grant deadline
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 year's cost, 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). The Tuition Allowance 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 full-time Oklahoma resident students:

**Living Status	On-Campus	Off-Campus	With Parents
Tuition & Fees	\$4,380	\$4,380	\$4,380
Maintenance	5,584	7,656	3,000
Books	1,200	1,200	1,200
Miscellaneous	3,800	5,300	5,300
Total	\$14,964	\$18,536	\$13,880

**Variables: Cost of education for non-resident students will add approximately \$6,178.

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 students account, this action could constitute a re-evaluation of eligibility resulting in a repayment. Federal aid recipients who completely withdraw after school begins, but prior to completing at least 60% of the semester will have to repay some portion of the federal funds received.

Types of Aid Programs

UCO participates in the following Federal and State Programs: Federal Pell Grant (FPELL), Federal Supplemental Educational Opportunity Grant (FSEOG), Federal Perkins Loan (FPERK), Federal Family Education Loan (FFEL), Federal Work-Study (FWS), and the Oklahoma Tuition Aid Grant (OTAG), Academic Competitiveness Grant (ACG), the National Science & Mathematics Access to Retain Talent Grant (National SMART Grant), and the Teacher Education Assistance for College & Higher Education (TEACH).

More detailed information concerning Applying for Aid, the UCO Awards Process and General Information may be obtained by going to the Financial Aid web site at:

**<http://www.uco.edu/finaid/>.

****On the web site, students will find a number of required financial aid forms that may be downloaded. They can also view financial aid updates and announcements that will carry the latest information and important deadlines.**

Scholarships

The Office of Undergraduate Admissions (UA) coordinates scholarship programs for incoming freshmen and transfer students. These scholarships are based on academic achievement, extracurricular activities, leadership, citizenship, and financial need.

Students may find a listing of this information as well as apply by visiting our web site at <http://www.uco.edu/scholarships>. The scholarship application deadline is February 1, 2011. Eligibility for these awards also requires completion of the Free Application for Federal Student Aid (FAFSA) by the stated deadlines. If you have questions, contact Undergraduate Admissions at (405) 974-2727 or visit www.uco.edu/scholarships. Continuing students who seek scholarship opportunities should contact the department of his or her major, the Office of Academic Affairs, or the UCO Foundation.

Please visit the Foundation website for applications for additional Foundation scholarships and awards.

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 offered. UCO has established four leadership scholarship programs, namely the President's Leadership Council, Leaders of Tomorrow, Emerging Leaders and the Transfer Leadership Council. These scholarship programs are designed to recognize students who have demonstrated leadership in the past and to provide a framework for learning and experiences to enhance their continued leadership development. For more information see the Leadership website: <http://www.uco.edu/leadershipcentral/students/scholarships.shtml>

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 "www.uco.edu/foundation, the Foundation office Evans Hall 102 and the Undergraduate Admissions office Nigh University Center 126H. **The deadline to apply is February 15.**

Veterans Assistance

UCO maintains a full-time Veterans Affairs Office located in Room 121B of the Nigh University Center. The phone number is (405) 974-2578. The staff can assist students in completing requirements to receive VA entitlements. Please contact the Veterans Affairs Office for further information on Veterans Educational Benefits.

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 141.

Vocational Rehabilitation

A Vocational Rehabilitation office is located at 1701 E. 2nd Street, Suite C, Edmond, OK, (405) 341-1400. All students seeking vocational rehabilitation assistance must be processed and cleared through that office each term. Please contact this office directly about eligibility requirements.

Student Affairs

The Division for Student Affairs 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 Student Affairs 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 Student Affairs include:

- Career Services
- Disability Support Services
- Office of International Services
- Centre for Global Competency
- New Student Orientation (Stampede Week)
- Office of Parent Programs
- Plunkett Field and Stage
- Student Conduct Office
- Student Counseling Center
- Student Life
 - Campus Activities and Events
 - Spirit Teams
 - Commuter Student Services
 - Greek Life
 - Multicultural Student Services
 - Student Organizations
- Volunteer and Service Learning Center
- Testing Services
- Y-Chapel

Student Life

The Department for Student Life is composed of several offices including: Campus Activities and Events, Spirit, Greek Life, Multicultural Student Services, Student Organizations, Parent Programs, and Commuter Student Services. The mission of the Department of Student Life is to facilitate, plan, fund, support, and serve as a clearinghouse for programs that build the character of UCO students and strengthen the sense of community on the University of Central Oklahoma campus.

Spirit Office, Nigh University Center, Room 424, 405-974-3587

The University of Central Oklahoma Cheer and PomPon teams are each 16-member squads that perform at UCO athletic events and special functions, attend camps, and compete at the National Championships in Florida every spring. The Spirit Teams are also represented by Buddy Broncho, UCO's mascot.

Greek Life, Nigh University Center, Room 212, 405-974-2580

The University of Central Oklahoma is home to 18 national sororities and fraternities offering college students the ultimate in campus involvement.

IFC Chapters	NPHC Chapters	Panhellenic Chapters
ACACIA	Alpha Kappa Alpha	Alpha Gamma Delta
Kappa Sigma	Alpha Phi Alpha	Alpha Xi Delta
Pi Kappa Alpha	Delta Sigma Theta	Delta Zeta
Sigma Nu	Omega Psi Phi	Sigma Kappa
Sigma Tau Gamma	Phi Beta Sigma	
Tau Kappa Epsilon	Sigma Gamma Rho	NALFO Chapters
	Zeta Phi Beta	Sigma Lambda Gamma

In addition to advising each of the four Greek governing boards, the Office of Greek Life designs and facilitates Greek

member education programs, advises the Greek Week planning committee, hires and trains the Panhellenic Recruitment Rho Gammas, compiles grade reports, and meets on a regular basis with chapter advisors.

Multicultural Student Services, Nigh University Center, Room 211, 405-974-5946

Multicultural Student Services promotes an educational environment that recognizes and celebrates the diverse culture of the University of Central Oklahoma. The focus of Multicultural Student Services is on researching, designing and implementing unique programs that promote the pursuit of academic success, encourage retention and enhance graduation rates of students. These programs serve to expand students' cultural horizons and perspectives while honoring their respective cultural experiences.

R.E.A.L. Talk

R.E.A.L (Relationships, Ethnicity, Activism and Leadership) Talk is designed to engage students in critical and meaningful dialogue that addresses issues pertinent to the development of their campus, community, and themselves as global and culturally competent leaders. Through honest dialogue, R.E.A.L Talk provides an experience that is impacting and serves to challenge students and their outlook on social justice in new and innovative ways.

Black History Month

Black History Month, organized by the Black History Month Taskforce, is designed to promote, celebrates and uplifts the rich cultural of African Americans. Black History Month highlights include the Miss Black UCO Scholarship Pageant, Black History Month Keynote Address, Hip Hop Forum, African American Film Series, discussion groups and other educational programs.

Hispanic Heritage Month

National Hispanic Heritage Month embraces the histories, cultures, and contributions of American citizens with ancestral roots traced to Spain, Mexico, the Caribbean, and the Spanish-speaking countries of Central and South America. Hispanic Heritage Month at UCO includes lecturers, forums, dance exhibitions, Annual Soccer Tournament and other celebratory programs.

Native American Heritage Month

Native American Heritage Month recognizes and celebrates the many achievements and contributions of Native Americans on the University of Central Oklahoma campus. Programs include guest lecturers, arts and crafts displays, Indian taco and fry bread sale, teepee exhibit, and demonstrations of American Indian music, dance, and games. The week is climaxed with a traditional Powwow celebration.

Student Activities and Events, Nigh University Center, Room 424, 405-974-2363

Department of Student Life staff members serve as the advisors to the University of Central Oklahoma Student Association (UCOSA), the Student Programming Board (SPB) and the Homecoming Activities Board (HAB). Beyond serving as advisors, Campus Life staff members assist with the planning of numerous UCO traditions including:

Fall Semester

- Stampede Week - UCO's Welcome Week, which features several campus-wide events.

- New Student Orientation – An opportunity for new students to get to know UCO and the resources available to them.
- Battle of the Bands - Sponsored by the Student Programming Board, the Battle of the Bands is one of UCO's most popular events held on the first night of the fall semester. Every year only the best bands in Oklahoma City make the cut.
- Homecoming - The ultimate UCO tradition, Homecoming features concerts, dance competitions, pep rallies, a parade through downtown Edmond and of course the football game.
- International Fest - UCO's numerous international student organizations compete to see who can offer the best food, displays and performances.
- Fall Pow Wow - The first of two annual Pow Wow's facilitated by members of the Native American Student Association and the Office of Multicultural Student Services.
- Miss Asian UCO - A scholarship pageant that celebrates the culture of UCO's Asian and Asian American students.
- WinterGlow - UCO's Winter Festival of Lights. The campus lights up as friends, families, and students gather to enjoy music, caroling and a chance to have their picture taken with Santa.

Spring Semester

- Miss UCO - A preliminary scholarship pageant to the Miss Oklahoma and Miss America pageants.
- Miss Black UCO - A preliminary scholarship pageant to the Miss Black Oklahoma USA pageant.
- Diversity Week - The multicultural student organizations of UCO take center stage as they display their heritage through a week-long schedule of events.
- Miss Hispanic UCO - A scholarship pageant that celebrates the heritage of UCO's Latino and Latina community.
- Greek Convocation - A night to celebrate the best of Greek Life at UCO.
- Greek Week - UCO's fraternities and sororities find common ground during this week of good spirited celebration and competition.
- Spring Contest Pow Wow - A Pow Wow where the best American Indian dancers in Oklahoma come to display their talent and heritage.

Student Organizations, Nigh University Center, Room 150, 405-974-2625

UCO has over 160 active student organizations and continues to grow! Each of these organizations provide opportunities through involvement. Some provide awards for scholastic achievement, others offer social events such as dances, banquets, intramural sports and club meetings, while others provide fantastic leadership opportunities. Getting involved in UCO's student organizations will greatly enhance one's collegiate years! To obtain additional information regarding UCO student organizations, contact the Coordinator of Student Organizations located in the Nigh University Center, Room 150, 405-974-2625

Commuter Student Services, Nigh University Center, Room 115, 405-974-3655

The Office of Commuter Student Services serves all non-residential students attending UCO. There are two types of commuter students: traditional and non-traditional.

Traditional commuter students are those who travel to UCO to attend classes. Included are students who drive their own vehicles, who arrive at the campus by public transportation, who are residents of Greek houses, or those who travel on foot or bicycle.

The demographics that describe non-traditional students involve individuals who are older than 23 years of age, or who are veterans, or who did not previously complete a degree earlier in life. These students can be single, widowed or married, and with or without children.

The Office of Commuter Student Services offers all non-residential students the opportunity to become acquainted with all the services offered by UCO. Further, commuter students may choose to participate in the UCOMMUTE Council, a student organization that helps to guide and direct meeting the needs of all commuter students, as well as to drop in for periodic “Brake For Breakfast” events hosted in various offices around the campus throughout each semester.

To become more familiar with the services offered, contact the Coordinator of the Commuter Student Services Office.

Career Services

UCO Career Services leads and empowers current and former UCO students in their career development. The staff and services are available to help students choose plans of study (i.e. majors), to find internships, and to ultimately find full-time employment upon graduation.

The UCO Career Services counseling staff meets with students Mondays-Fridays through scheduled appointments and during specific non-appointment/walk-in hours on specific days. To learn current walk-in counseling hours, please call or visit online. Counselors advise current and former students on issues such as selecting majors, identifying careers related to majors, writing resumes, and searching for internships and jobs. Four assessments help students understand themselves better and assist them in choosing majors or careers to pursue, the most popular being eDISCOVER (which is free to students).

Career Services also offers Career Chats, an educational seminar series, each semester to discuss topics such as resume writing, interviewing, job and internship searching, graduate school applying and networking.

The Career Resource Library within Career Services also offers hundreds of degree and career resources, from Major Connections to employer literature to sample resumes to books and videos to internet access for specialized career software.

Those seeking internship or full-time employment opportunities will find HireBronchos.com especially helpful. It is a database from which students may conduct internship and job searches, resumes are electronically referred upon employers' requests, and interviews are scheduled when recruiters come to campus.

UCO Career Services also hosts Fall and Spring Career & Internship Fairs, Grad & Professional School Fair, Career Quest: Discover Your Major Fair and Teacher Job Fair. See www.careers.uco.edu, visit Nigh University Center, Room 338 (above the Express Food Court), or call (405) 974-3346 for more information and resources.

Centre for Global Competency

The Centre for Global Competency at UCO provides students with opportunities to spend a semester abroad at partnering institutions in France, China or other places throughout Europe and Asia. The CGC coordinator works with students to insure 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, Nigh University Center, Room 137, or call 974-2390.

Disability Support Services

Sections 503 and 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 require the University to make reasonable accommodations in providing students with disabilities access to equal educational opportunity.

Students with disabilities who require accommodations may contact the Disability Support Services Office where they will be given an opportunity to identify specific academic needs. Additionally, students will be asked to provide documentation regarding their disability and request for accommodation. Proper documentation must be received by the Disability Support Services Office prior to receiving services. Reasonable accommodations are based on the individual needs of the student.

The Disability Support Services Office can assist the student in obtaining equal access to educational opportunities on campus. For more information on services provided, call (405) 974-2549, visit the Disability Support Services Office, Nigh University Center, Room 309, or visit the web at: http://www.uco.edu/disability_support/.

Office of International Services

The Office of International Services, 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 International Services is responsible for all recruitment and admission procedures, both graduate and undergraduate. The office has DSO's (Designated School Officials) to help with all immigration related issues, and activity advisors who provide an array of both on-campus and off-campus activities. Admissions counselors are also available. Information on scholarship opportunities specifically designed for international students is also available. For more information on the Office of International Services, call (405) 974-2390, or visit the web site at <http://www.uco.edu/international>.

New Student Orientation

Freshmen and parents may participate in new student orientation, traditionally known as “Stampede Week.” Students take part in a week-long slate of activities designed to acquaint them with UCO and set them on the path toward graduation. Parents are also welcome to come and enjoy their own orientation, an event complete with workshops and activities designed to satisfy their questions and issues.

Stampede Week occurs every year during the first week of fall classes. Stampede Week participants have the opportunity to meet and greet their professors, attend a UCO Organization Fair, a Job Fair, and learn about campus support services.

For more about Stampede Week, call the office of Campus Activities and Events, at (405) 974-2593.

Office of Parent Programs

The Office of Parent Programs exists to help keep parents and families engaged in their student's experience while attending UCO. This office offers membership in the Parent's Association, serves as a liaison with the Parent Advisory Committee, and develops programs each semester. Among the events each year

are the Family Weekend, held in conjunction with a UCO home football game, and the Spring Parent Banquet, held in conjunction with Freshmen Follies.

For more information about the Parent Programs offered at UCO, please contact the Student Affairs Coordinator of the Office of Public Relations and Development, Nigh University Center, Room 418, or call (405) 974-2433.

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 Student Affairs, Lillard Administration 213, (405) 974-2361, or visit <http://www.uco.edu/ssvp/plunkett.html>.

Student Conduct

The mission of the Student Conduct Office is to enlighten the campus citizenry regarding conduct regulations and responsibilities, and enforce the social guidelines necessary to maintain a comfortable atmosphere of living and learning in the University community. The Student Conduct Office determines responsibility in referred cases and decides how to develop and/or restore character, community and civility to those students who have made mistakes, as well as others who may have been impacted. The Student Conduct Office may develop and restore students and the affected community through a variety of appropriate developmental sanctions and/or programming. The Student Conduct Office communicates expected standards of behavior through the publication of the Code of Student Conduct. The student Conduct Office serves as a channel of communication between instructors and those 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. Authentic documentation is required. For more information about the services and publications of the Student Conduct Office, contact the Director of Student Conduct in Lillard Administration 213, (405) 974-2361, or visit www.uco.edu/ssvp/conduct/.

Student Counseling Center

The University of Central Oklahoma's Student Counseling Center is a place where students can learn to deal more effectively with personal concerns or situations, such as coping with friendships, divorce or a break-up, anxiety, depression, academic difficulties, career change, and adjustment to college life. Services are available to currently enrolled students of UCO only. The Student Counseling Center 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 http://www.uco.edu/student_counseling for more information.

Testing Services

The University of Central Oklahoma's Testing Center is a national test center for Educational Testing Services (ETS), The College Board, and the American College Testing Program (ACT). Testing Services administers national college entrance exams such as the ACT, SAT, GRE Subject Exam, and the PPST; visit those web sites for schedule and registration information. Test-

ing Services also offers residual ACT and institutional TOEFL exams to prospective UCO students on a weekly basis (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, Dantes, Advanced Placement (AP); and 2) Departmental tests based specifically on UCO curriculum which may be objective, essay, and/or performance based. For more information, visit Thatcher 301; call (405) 974-2388; or visit http://www.uco.edu/testing_services.

Volunteer and Service Learning Center

Nigh University Center, Room 211, 405-974-2623

Established in 2001, the Volunteer and Service Learning Center provides these primary services:

- Campus-wide service days - Every year the Volunteer Center coordinates and recruits volunteers for five campus-wide days of volunteerism: 9/11 Service Project (preparing dinner for firefighters), Make a Difference Day, Martin Luther King Day, Broncho Difference Day, and The Big Event.
- Cozy Kids Project - During the fall semester, the Volunteer Center collects clothing donations for the children who participate in the Presidents Club Christmas Party.
- Event Support - The Volunteer and Service Learning Center identifies volunteers for several high profile campus-wide events including WinterGlow and Poverty Awareness Week.
- Placement - The Volunteer and Service Learning Center maintains a database of volunteer opportunities in the Oklahoma City Metropolitan Area. The Volunteer and Service Learning Center Coordinator helps students and student organizations identify the volunteer opportunity that best matches their interests.
- Service Learning - The Volunteer and Service Learning Center provides training and administrative support for faculty wishing to incorporate service learning in their curriculum.
- Volunteer Fair - During Stampede Week, the Volunteer and Service Learning Center organizes a fair during which students can make connections with area community service agencies.

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; an organ and piano are available. For more information regarding reservations and fees, contact the Office of the Vice President for Student Affairs, 213 Lillard Administration 213, (405) 974-2361, or visit www.uco.edu/ychapel.

Campus Activities

The University of Central Oklahoma recognizes the fact that every individual is unique and may excel in a wide range of areas; therefore, groups and activities have been organized in an effort to enhance that uniqueness and encourage every student to get involved. The many campus organizations give students the chance to grow, meet new friends, develop leadership qualities, and be a voice on the campus.

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.

Campus Events Hotline

The UCO Campus Events Hotline is an activities information service provided for the UCO and metropolitan communities. By dialing (405) 974-2001 anytime, day or night, a student can find out what is happening on the UCO campus. The hotline has the latest information on activities such as, sports events, dances, theatrical productions, concerts, and student festivities. To keep informed, call (405) 974-2001.

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.

Music Activities

Students at the University of Central Oklahoma can participate in a wide variety of musical experiences. These include Choir, Orchestra, Band, Jazz Band at the new Jazz Lab, Brass Ensemble, String Ensemble, Woodwind Quintet, Chamber Music Ensembles, Composers Ensemble, and various small entertainment groups. Large-scale music theatre productions also encourage general university student participation. Interested persons should contact the School of Music or the faculty member who directs the organization.

Oklahoma Journalism Hall of Fame

Up to nine journalists are selected each year for the Oklahoma Journalism Hall of Fame administered by the UCO Journalism Department. The Hall is housed in the Communications Building at UCO. Duplicate certificates hang in the State Capital Publishing Museum in Guthrie.

Study Abroad

The Centre for Global Competency at UCO provides students with opportunities to receive Global Competency Certification or to participate in study abroad opportunities. The Centre offers several opportunities abroad, ranging from potential internships to week-long trips guided by UCO faculty members. Students who are interested in these opportunities may contact the Centre for Global Competency, 974-2390.

Theatre Productions

The University of Central Oklahoma Theatre Arts combines classroom study and practical application to present a season that

includes a wide selection of classic and contemporary drama. Experience is available in all facets of production and any student, regardless of major, is welcome to participate in the program. Honored numerous times by the Kennedy Center/American College Festival, UCO Theatre Arts is an invaluable asset to the cultural life of the University and the Edmond community.

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. The UCOSA exists to develop student leadership, represent student issues and concerns, work with faculty and administration to further academic excellence, appropriate Student Activity funds, and assist in the development of campus life.

The UCOSA consists of the Legislative, Executive, and Judicial branches. The Senate and House of Representatives make up the Legislative Branch. One student from every student organization and Greek house is a member of the Senate. Forty-five elected representatives make up the House of Representatives which is based upon full-time enrollment among the colleges. The Senate and the House of Representatives meet regularly 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 all students are represented and heard on campus. The President is the official spokesperson for the UCO student body and represents UCO to 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 held during the spring semester on the second Wednesday of April 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.

The UCOSA Student Activity Board coordinates campus activities with student organizations sponsoring big campus events. The Student Activity board can also appropriate one-time and reserve money from the Student Activity Fund. This board also assists the UCO Department of Student Life in campus activities.

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, Rooms 145 and 148.

Varsity Athletics

The University of Central Oklahoma competes in 14 intercollegiate sports as a member of the Northern Division of the Lone Star Conference and National Collegiate Athletic Association (NCAA), Division II. Men's programs are: football, basketball, wrestling, golf, and baseball. The women's sports are: basketball, cross country/track and field, volleyball, softball, tennis, women's golf, soccer, and rowing. Facilities include beautiful Wantland Stadium, which just underwent a \$16.0 million renovation in 2005, with a seating capacity of 10,000 for football. Edmond Public High Schools - Memorial, Santa Fe and Edmond North also call Wantland Stadium home on Thursday and Friday nights during the fall.

Basketball, volleyball, and wrestling utilize Hamilton Field-house (seating capacity 3,000). The athletic complex also includes one of the top wrestling practice facilities in the country, which is home to the 15-time National Champion Broncho wrestling team. Additionally, there are six lighted tennis courts, a baseball field, a softball field, and a soccer field. Fairfax Golf Club and Kicking-bird Golf Course in Edmond are serve as the home course for the men and women's golf teams. UCO won the National Championship in football in 1962 and 1982 and won National Championships in wrestling in 1979, 1981, 1982, 1984, 1985, 1986, 1987, 1989, 1992, 1993, 1994, 1995, 2002, 2003, and 2007.

University Publications

UCO Alumni Magazine

One of the many benefits members of the UCO Alumni Association enjoy receiving two times a year is the alumni magazine, Old North. Old North is written and prepared by the Alumni Relations and University Relations offices. Each issue features campus highlights, university news as well as articles and information regarding some of Central's most fascinating and successful alumni. To receive this premiere publication, just join the Association. For an application, look online at www.uco.edu/alumni or call (405) 974-2421.

University Student Media

UCentral serves as the student media network of the University of Central Oklahoma. It features a student television newscast, NewsCentral; the campus newspaper, The Vista; the campus radio station, ed90.1; and the converged website, UCO360.COM. UCentral serves two primary functions: 1) provide practical experience and a teaching tool to students participating in Broadcasting and Journalism programs within Mass Communication; and 2) provide relative news, information, opinion and entertainment to UCO students and the surrounding communities.

Student Television

UCentral Television provides a laboratory in television news and television production for students in Mass Communication. Established in 1976, the television station currently provides 24-hour news and entertainment programming to the UCO campus and city of Edmond on digital COX channel 125. The award winning student-produced newscast, NewsCentral, airs live Monday through Thursday at 5 p.m.

Student Newspaper

The Vista, founded in 1902, is the oldest continuously published student newspaper in Oklahoma. Used as a teaching tool for and published by Mass Communication students, the newspaper is printed Tuesday and Thursday during the fall and spring terms. It reports university news and provides a medium for student opinion. During the summer term, The Vista is published each Thursday.

Student Radio

The student radio station, ed 90.1, provides Mass Communication students a laboratory in on-air performance and news/sports reporting. The station broadcasts 100,000 watts across the Oklahoma City metro on the secondary HD radio channel of KCSC. It also streams live over the Internet though Apple iTunes, iPhone and UCO360.com. ed 90.1 provides 24-hour radio programming catered towards UCO students.

New Student Media

Student broadcast operations and student print publications have converged resources and newsrooms to create UCentral - UCO's Student Media Network. This convergence established the common internet-based news medium UCO360.COM and a related social networking presence. This new teaching instrument serves to prepare students for the new frontier in multimedia journalism. Additionally, UCO360.COM offers UCO students the ability to provide input as to what information is important to them and a venue to express their opinions.

University Services

Alumni Relations

The UCO Alumni Relations Office serves as the voice and link for all graduates and former students to the university. Its goal is to maintain a close relationship 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 also 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 www.uco.edu/alumni or stop by the Alumni House on 320 East Hurd.

Arts Programs

As part of the College of Fine Arts and Design, the extensive theatre arts, music theatre, and dance programs as well as the student symphony, choral concerts, jazz performances, academy of contemporary music and individual recital programs on campus represent perhaps the most ambitious and varied arts events scheduled on any campus in the state. Successful former students are now touring nationally. UCO's Artist-in-Residence, Valery Kuleshov, is internationally known for his piano concerts. Professional level programs of cultural value to the University and community are presented for the interest and inspiration of the student body on any given evening. Each student is urged to take advantage of these opportunities.

Galleries and Collections

The College of Fine Arts and Design now encompasses the coordinated Office of Galleries and Collections. Consisting of the Melton Legacy Collection of European and American Art on display in The Melton Gallery, located in the Art & Design Building, the Chambers Library Gallery houses the African Collection, the Donna Nigh Gallery 3rd & 4th Floors, Nigh University Center, showcases professional artists along with graduate art work, the Evans Hall Interior Design Gallery, Evans Hall, the Graphic Design Gallery, and the Art & Design Building. The new Office of Galleries and Collections provides a unique forum for visual arts presentations.

Campus Recreation & Intramural Sports Programs

The University of Central Oklahoma Intramural Program is organized to meet the recreational needs for all students within the framework of an educational endeavor. It is located within the structure of the Wellness Center. The intramural program is an important part of student life on campus. It is our goal to afford every student the opportunity to participate in the activities

of their choice regardless of skill or ability level. This participation is not only in the athletic endeavors provided, but also in the planning, administration and execution of the total program. It is hoped that each student will avail him/herself to the many varied opportunities provided by the intramural program.

The Intramural Sports office located in the Wellness Center, room 204. The office phone number is 974-3139. Registration, scheduling, and eligibility information may be obtained from the Wellness Center web site: <http://www.uco.edu/wellnesscenter>. Students are encouraged to register on-line. The intramural program and the University of Central Oklahoma are not responsible for medical expenses due to injuries received in participation of these programs. It is recommended that all participants enroll in a health insurance plan.

Center for Professional and Distance Education (CPDE)

The Center for Professional and Distance Education (CPDE) is a division of Academic Affairs, and provides quality opportunities in the areas of faculty development, professional education and distance education (WWW, hybrid and Flex-ED courses). This unique program supports UCO and its colleges in helping individuals become productive, creative, ethical, and engaged citizens of the global community. The Center for Professional and Distance Education is located in the Nigh University Center, Room 341, (405) 974-2420. For more information visit the CPDE website: <http://uco.edu/cpde>

Flex-Ed (FE)

Flex-Ed (formally Correspondence Education) is a division of The Center for Professional and Distance Education at the University of Central Oklahoma. FE has offered students the freedom to explore educational alternatives and the opportunity to schedule their own study time since 1917. FE does not operate by semesters; instead, it is "asynchronous." The student determines when to begin their course and how quickly, after the initial six-week enrollment period, they want to complete it.

FE has over fifty courses representing every college discipline at UCO that can be completed from anywhere in the world. Courses can help fulfill degree requirements whether the student is trying to graduate early, work courses around a busy work schedule or need more study time than a regular semester allows.

Course listings and enrollment information may be obtained by calling 405.974.2393, going on-line at: <http://www.uco.edu/cpde> or email: Lmask@uco.edu or visit us in Thatcher Hall, room 315.

Edmond Language Institute

As UCO continues to expand globally, the Edmond Language Institute, a privately-owned school located on campus, 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 Jackie Buher, (405) 341-2125

University Health Services

The University of Central Oklahoma Health Services provide a convenient and affordable source of health care and health education and fitness resources for UCO faculty, staff, and enrolled

students. The Mercy Clinic at UCO is a health clinic which provides medical care, radiology and laboratory services, immunizations and TB testing, women's health care, routine physicals, care of minor injuries and sudden illness, nutritional counseling, allergy injections, health education and counseling, and coordinated care for specialty services such as psychiatric, and international travel services.

The Mercy Health Clinic at UCO is located in the Wellness Center Building and is open Monday through Friday, 8:00 am to 5:00 pm. To schedule an appointment with the medical doctor please call (405) 974-3115. The health clinic accepts most health insurance plans, as well as other forms of payment.

Patients can also be seen without an appointment. Walk-in patients are accommodated on a first-come, first-served basis.

For more information about University Health Services, please visit <http://www.ucohealthcenter.com>.

University Health Services also include Health Promotion and Fitness programs and services. These programs and classes are designed to assist individuals to achieve the optimal level of wellness. The health promotion services are open to staff, faculty, students, and the community at large.

Immunizations

Beginning Fall semester, 2004, Oklahoma state law required that all new students who attend Oklahoma colleges and universities for the first time provide proof of immunization for certain diseases. For more information, contact Mercy Health Clinic at UCO either by phone at (405) 974-3115 or on the web at <http://www.ucohealthcenter.com>.

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. Information is also available through Mercy Health Clinic at UCO, Wellness Center, room 105, (405) 973-3115, or <http://www.ucohealthcenter.com>. International students should contact the International Student Services Office, Nigh University Center 137, (405) 974-2390.

KCSC FM Radio

Oklahoma's only 24-hour fine arts broadcasting service is located at the University of Central Oklahoma. KCSC, 90.1 FM, operates with 100,000 watts. With 57,000 listeners, KCSC, on the air since 1966, has the largest listening audience of the five public radio stations in Oklahoma. KCSC 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.

Mail Service

Postal services are available, including post office box rental, at the Broncho Stamp N Post located in the Nigh University Center on the first floor. Three mail deposit centers are located on campus; one in the Nigh University Center, one in the lobby of the University Suites, and one in the lobby of Central Plaza.

Dan Lutz Rehabilitative Driving Program

The Dan Lutz Rehabilitative Driving Program is established as a non-credit program of continuing education. The University of Central Oklahoma, with the support of the Department of Reha-

bilitative Services (DRS), provides driver education services to DRS clients with severe disabilities. The Dan Lutz Rehabilitative Driving Program has the expertise to design and initiate driver education and driving aptitude evaluation services for any individuals with physical/mental impaired conditions. For more information contact John McGivern at (405) 974-5450 or (405) 834-3877.

Office of Research and Grants

The Office of Research & Grants promotes transformational learning through its support of research, creative, and scholarly activities at UCO. To support undergraduate students engaged in research, creative, and scholarly activities, the Office of Research & Grants offers the Student Research, Creative and Scholarly Activities (RCSA) Grant Program (<http://www.uco.edu/urcs/introduction.htm>). In addition, the Office of Research & Grants offers the Student Research, Creative & Scholarly Activity (RCSA) Presentation Grant Program to provide monetary support for air travel for undergraduate students who are presenting their student research, creative and scholarly activities at professional conferences (http://www.uco.edu/facres/student_research/travel_grants.html). For additional information, please contact the Office of Research & Grants at (405) 974-2526

Oklahoma Council on Economic Education and the UCO Center for Economic Education

The Oklahoma Council on Economic Education is a private not-for-profit education organization located on the campus of the University of Central Oklahoma. The Council's primary mission is promoting economic and financial literacy for all Oklahomans. The UCO Center for Economic Education is the program delivery arm of the Council. Together, they serve as the state's leader in providing the knowledge, skills, and materials necessary to increase the quantity and quality of economic and personal finance education taught in Oklahoma schools. The Council and Center are both affiliated with the national office of the Council on Economic Education.

The Council and the Center combine resources to offer courses and workshops, distribute instructional materials, and assist Oklahoma teachers in meeting the state standards. The staff also helps prepare pre-service teachers for the classroom, works with Oklahoma school districts to integrate economic and personal finance concepts into their K-12 curricula, and sponsors competitive programs for Oklahoma students. Additionally, the staff is responsible for developing and writing several award-winning curricula and materials for classroom use.

Starting in the Fall of 2007, the Council was awarded a contract with the Oklahoma State Department of Education to serve as the primary source of teacher training for the new Passport to Personal Financial Literacy legislation enacted by the State legislature and continues that relationship with OSDE. In addition, the Council was responsible for writing the new state curriculum, now posted on the OSDE web site.

UCO has housed OCEE for more than ten years, strengthening the relationship between the College of Business Administration and the educational and business communities in Oklahoma. The Council is proud of its partnership with the Center, the University, school districts and other organizations across the state in preparing Oklahoma's youth to be more informed voters, consumers, and investors.

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, spring, and summer 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 diagnosis 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.

Risk Management

UCO is insured through the Office of State Risk Management. The Risk and Insurance Management Program Coordinator in UCO's Office of Environmental Health and Safety, coordinates all insurance activities for the University.

Students desiring insurance coverage for their properties must provide their own. UCO is not responsible for stolen or lost property on the University campus. UCO is not liable for personal injuries sustained by students in classes or laboratory settings unless the 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. A student motor vehicle must have full insurance coverage, as the university does not indemnify against losses to vehicles operated or parked on university property.

Special School Services Center

The Department of Psychology of the College of Education and Professional Studies sponsors a Special School Services Center as a part of the University of Central Oklahoma's graduate School Psychometry and School Psychology Training Programs. The Center provides evaluation of children. The assessment process includes norm-referenced tests, interviews, observations, and informal assessment. Testing may include the following areas: intellectual, developmental, adaptive behavior, perceptual-motor, special abilities, achievement, and behavioral ratings. Following the assessment process, the parent is provided a verbal and written report with recommendations. Upon authorization, the report will be released to the desired school or indicated agency.

The Special School Services Center provides these services according to a minimal fee schedule. The clinicians have had approved psychometric training, have achieved competency in the use of the assessment tools and procedure, and are under direct supervision of faculty. Those interested in receiving these services should contact the Director of the Special School Services Center, Department of Psychology, (405) 974-5477 or (405) 974-5478.

Speech and Hearing Clinic

The 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 infants, toddlers, preschoolers, school-age persons, and adults. Services are available to the public on a fee basis. Fees are waived for UCO students, staff, faculty, and members of their immediate family who are in need of evaluation or treatment. Clinical services are provided through students in training under the supervision of licensed staff members. Those interested in receiving individual services are invited to contact the Clinical Coordinator, Speech and Hearing Clinic, University of Central Oklahoma, Edmond, OK 73034, or call 974-5419.

Tutoring Central

Tutoring Central is your central information center for tutoring on the UCO campus. Tutoring Central or the "TC" is located in the northeast corner of West Hall across from Buddy's Cafeteria. Tutoring Central offers scheduling for and/or information about all free tutoring services and academic support programs on campus. Tutoring Central houses the Writing Lab and provides English tutoring and tutoring for math classes offered by Rose State College. It also serves as home base for the Supplemental Instruction Program. For more information call, (405)974-2487, or visit the TC website. The TC hours are: Open 9am – 8pm Monday through Thursday and 9am – 1pm Friday.

UCO Office of Information Technology

For All Your Technology Needs Contact Technology Support: Help Desk 974-CALL (2255)

Virtual Help Desk: Click the "Virtual Help Desk" tab inside UConnect

e-mail: support@uco.edu

For policies, procedures, and services see:

<http://technology.uco.edu>

The Office of Information Technology is responsible for all technology-related applications and systems which cross two or more departmental or functional areas. It offers students, faculty, and staff a wide range of technology services in support of their educational experience through its various departments.

OIT has negotiated reduced pricing for software and hardware available through our UCO Tech Store. Technology purchases may be made on line. For more information visit www.uco.edu/techstore. In addition, UCO Tech Store is available on the second floor of the Nigh University Center.

General purpose microcomputer labs are located in the Chambers Library Microcomputer Lab Room 107 and the Cyber Café located on the second floor of the Nigh University Center. The microcomputer labs provide students with access to campus standard software, including Internet browsers, UCONNECT, Blackboard WebCT, Microsoft Office, Adobe and SPSS.

UCO is a wireless campus. The UCO standard for the wireless network is IEEE 802.11 a/b/g. The Forensic Institute also includes 802.11n. For connection settings visit: <http://technology.uco.edu/>

The Technology Resource Center (TRC) provides computing applications training for students, faculty, and staff to learn how to use the campus e-mail system and campus standard software; e.g. Microsoft Office, Blackboard WebCT, etc. TRC also provides

technical support for distance learning and e-learning technologies and checks out multimedia equipment for class-sponsored events.

Operations, Development, Integration, and Support Services; (ODISS) is responsible for assisting in all technology related operational and support needs on the UCO campus. This office provides students e-mail and web-based access to the student's personal records through UCONNECT.

ODISS maintains systems for administrative use, academic teaching, research support, and web services.

They provide system administrative services for the campus wide mission critical systems. This group is responsible for advanced technology implementation, enterprise data backup and storage, and disaster recovery. Technology Support (Help Desk) is also part of this groups' mission. The Technology Support Service Desk answers questions regarding microcomputer and software usage and logs technology-related requests and problems. Individuals or departments may contact Technology Support for technical consulting, support, and for troubleshooting and repair of computing/networking equipment or services. There are three methods for obtaining technical support: (1) send an e-mail to support@uco.edu; (2) call 405.974.2255; or (3) enter an issue in UCONNECT on the "Virtual Help Desk" tab

Telecommunications and Networking (TelNet) provides network connectivity for voice, data and video applications. Responsibilities also include network security, e-mail systems administration, and advanced troubleshooting. This department provides the campus telephone system and the campus voice and data infrastructure.

The Office of Information Technology (OIT) maintains all campus-wide technology licenses for university standard software including anti-virus software for students' personally owned computers the Office of Information Technology offers assistance in writing specifications, implementation documents, and support contract review for any UCO organization through its Project Management Office and manages the university's Internet Strategies.

The OIT encourages students to provide updated security notification information in Central Alert, UCO's emergency notification system. Log in the UConnect and click the "Central Alert" channel.

UCO Safety and Transportation Services

The UCO Safety and Transportation Services is comprised of five primary operational units. These include Environmental Health and Safety, Access Control, Transportation and Parking Services, Police Services and Emergency Management. The more than 50 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). Each fall an annual security 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.

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 Division of the Department of Safety and Transportation Services 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 four 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

In addition to these activities, EHS manages, in partnership with UCO Legal Services, all elements of our campus Risk Management program and Worker's Compensation activities.

Students who have a safety question or concern related to class work 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 unit 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.

Police Services

Police patrol services are provided by commissioned, armed and state-certified police officers. Campus 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. Police Services also employs students through the Community Service Officer 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 Teletype System. Using the National Crime Information System, UCO police have immediate computer access to nearly all law enforcement agencies in the United States.

The Police Services 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.

Students interested in completing an internship within Police Services or any unit of Safety and Transportation Services 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.

Transportation and Parking Services

The mission of Transportation and Parking Services is to provide the UCO community a safe environment and ready access to campus facilities by efficiently using all available transportation and parking resources. TPS manages the maintenance and care of university parking facilities, decal sales, violation enforcement and special event management.

TPS sponsors carpooling for commuter students, public transportation serving UCO via the Edmond Metrolink bus system, and free bicycle usage through the Bum-A-Bike program. They can be reached at (405)974-2780. TPS offices are on the third floor of the Nigh University Center. More details, including parking maps, policies and regulations are also available on the TPS web site via UCO's main internet page, www.uco.edu.

TPS continually seeks new and innovative ways to meet the parking and transportation needs of UCO's students, faculty, staff and visitors. All members of the UCO community are encouraged to enter and exit campus from the north. While it may seem longer, going or coming from the north, it is in many cases more efficient than encountering traffic congestion along Second Street, particularly in downtown Edmond. Danforth will quickly lead to east I-35 or west to major surface streets leading to the north and west side of Oklahoma City including I-44 and the Kilpatrick Turnpike.

Parking is almost always available in parking lots located on the northern sections of our campus. While these lots may not be immediately adjacent to the intended campus location, the lots are only a few minutes walk from the center of campus. If faculty/staff/or students feel uncomfortable walking during the hours of darkness or at any other time, call the UCO Police Services office at (405)974-2345. Police staff or student employees will escort callers on foot to or from their car as part of UCO's Campus Safe Walk program.

Access Control

The Access Control unit of Safety and Transportation Services is responsible for the maintenance and general system operations for all locks, keys, doors and entry systems on campus. Keys are issued to residential students by the Office of Housing. All other keys are issued by Access Control at the Police Services building after approvals have been given pursuant to policy.

University policy restricts issuance of keys and access codes to only those with a legitimate need. Keys should never be loaned to others under any circumstance. Any person who believes they have a legitimate need to access an area that requires keyed access should speak to their supervisor.

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 have been installed in classrooms, labs and common areas throughout campus. Emergency response booklets have also been distributed and are available to anyone by calling (405)974-2219 or (405)974-2345. Training programs are also available in self defense, first aid and other topics to meet the needs of the university community.

Central Alert is one of UCO's latest 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 and operated by the UCO Information Technology Office.

For more information on emergency management activities at UCO please call (405)974-2219 or visit the UCO web site at www.uco.edu.

University Library

Chambers Library's web page is: <http://library.uco.edu>

Library Hours: Mon-Thurs (7:30-2:00 a.m.)
 First Floor Only
 Mon – Thurs (7:30 am – 11:00 pm – Floors 2-4
 Fri – (7:30 am – 6:00 pm) Sat – (10:00 am – 6:00 pm)
 Sun (Noon – 2:00 am) First floor only
 Sun (Noon – 11:00 pm) Floors 2-4

Computer Lab Hours: Mon-Fri (7:00-2:00 am)
 Sat (10:00-11:00pm)
 Sun (Noon-2:00 am)

Library information can be found at the web site for hours, services, and access to many electronic full-text journals, e-books, and reference materials. The Journal Titles Tab provides information on journals available electronically, on paper or in microfilm. The first floor of the Library has Circulation, InterLibrary Loan and Reference. The second floor has Government Documents and Archives-Special Collections. The third floor has the circulating book collection, Children's Collection, and the K-12 Curriculum Collection. The fourth floor has Journals and Newspapers and the Multimedia Center. There are Help Desks on each floor.

The Library Catalogs provide information on print, media and microfilm collections in the Library, Oklahoma, and nationally.

The My Account feature allows patrons to renew library materials, review any fines and fees owed, or set research preferences. UCO students can use their UConnect username and password. Faculty and staff can access these resources from home using their campus computer username and password. Librarians answer questions remotely via the web page, IM, by telephone at 974-2878, or in person at the Reference Desk on the first floor. Service desks are available on all four floors. Please ask if help is needed.

InterLibrary Loan services (items borrowed from another library) can also be viewed using the MyAccount feature (click on renew ILL) to see what has been requested and the status of the request. If assistance is needed in setting up an ILL account, please call the Reference Desk at 974-2878. Once an ILL account is set up, there will be no need to key in personal data for future requests just login to ILL using account name and password.

The UCO Archives/Special Collections houses the permanent historical records of the University and the many Special Collections acquired by the University through donation and purchase. The materials in these rare 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. Special Collections materials must be used in the Library.

Information for Students with Disabilities

Sections 503 and 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 require the University to make reasonable accommodations in providing students with disabilities access to 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) aims to 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 needs. Additionally, students will be asked to provide documentation regarding their disability and request for accommodation prior to receiving services. Reasonable accommodations are based on the individual need of the student. Services such as note takers, sign language interpreters, and alternative testing procedures are some examples of the kinds of accommodations that may be granted to qualifying students.

The Disability Support Office can assist the student in removing architectural or attitudinal barriers on campus. A student who believes he/she has been treated inappropriately because of his/her disability is encouraged to report the incident to the Disability Support Services Office.

For further information on services provided, visit the Disability Support Services Office, Room 309, Nigh University Center, call (405) 974-2516 or visit us on the web at: http://www.uco.edu/disability_support/

Academic Resource Labs

The University offers assistance to strengthen academic abilities through various academic labs on campus. Labs include:

Academic Support Center, located in Thatcher Hall, Room 106; (computer tutorials supporting general education classes, math and writing tutors.)

College of Fine Arts and Design Computer Lab,

Graphic Design Lab, Art and Design Bldg., Room 1

ClockTower Studio, Art and Design Bldg., Room 103

CAD Interior Design Lab, Evans Hall, Room 1

Jazz Lab Computing Studio, Jazz Lab, Room 201

Music Resource and Computing Lab, Music Bldg., Room 112

College of Business Administration Computer Lab,

located in the Business Building, Rooms 109 and 111;

College of Education and Professional Studies Microcomputer

Labs, located in the Education Building, Rooms 110 and 112;

College of Education and Professional Studies Microcomputer

Lab, located in Evans Hall, Room 007;

College of Liberal Arts Labs, located in the Liberal Arts Building include:

Open Lab, LA125

Modern Languages Lab, LA117

Classroom Labs, LA119 and LA123

LA labs in the Communications Building:

Journalism Lab, CB215

Broadcasting Lab, CB131

College of Math and Science Computer Labs, located in the Math and Computer Science Building include:

Mathematics and Science Computer Lab, Room 100;

Computing Science Microcomputer Lab, Room 119;

Information Technology Department Microlab, located in the

Max Chambers Library, 1st floor, SE Corner;

Information Technology Department Terminal Rooms,

located in the Math/Computing Science Building, Rooms 121 and 126;

Multimedia Presentation Lab, located in the Art Building, Room 107;

Reading Lab, temporarily using the lab in Evans Hall,

Room 007, for classes only.

For more information regarding these labs please contact the corresponding college or department.

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. The swimming pool in the Hamilton Field House is accessible by ramp. 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 on the first floor of the Nigh University Center or may be contacted at (405) 974-3334.

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, Central Plaza, Suites and Commons each have rooms fully accessible for students with physical disabilities. These facilities have fully accessible bathrooms, including roll-in showers.

Each resident hall has accessible recreation rooms. Buddy's is located east of West Hall, and the Broncho Sports Grill is located in the University Suites. Both are accessible and provide a comfortable atmosphere for dining. Java Central and Central Plaza's cafeteria are located on the main floor of Central Plaza. All of the dining areas are accessible and provide a comfortable atmosphere for enjoying the variety of options provided for students' meals.

Should students with disabilities require assistance carrying trays, ordering food, or have special dietary needs, they should contact the manager of the dining venue.

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 Speech and Hearing Clinic at the University offers speech, language, and hearing evaluations and treatment services. UCO students and members of their immediate families who are in need of clinical services may receive individual services at

the clinic under the supervision of staff members. Students are invited to come to the clinic by appointment and discuss speech, language, and/or hearing problems. For more information contact (405) 974-5403.

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 university 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, Certificate
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 Arts, Media, and Design

1005	B.F.A.	Art - Art History
1006	B.F.A.	Art - Studio Art
1020	B.A.Ed.	Art Education
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
1060	B.M.	Music - Music Theatre
1063	B.M.	Music - Percussion
1061	B.M.	Music - Piano
1066	B.M.	Music - Piano Performance and Pedagogy
1065	B.M.	Music - String
1062	B.M.	Music - Vocal
1064	B.M.	Music - Wind
1080	B.M.Ed.	Music Education - Instrumental
1081	B.M.Ed.	Music Education - Vocal
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 Business Administration

2000	B.S.	Accounting
2081	B.B.A.	Business Administration - General Business
2082	B.B.A.	Business Administration - International Business
2083	B.B.A.	Business Administration - Legal Studies
2020	B.A.	Economics
2040	B.B.A.	Economics
2060	B.B.A.	Finance
2061	B.B.A.	Finance - Insurance and Risk Management
2100	B.B.A.	Information and Operations Management - Management Information Systems
2101	B.B.A.	Information and Operations Management - Operations Management and Analysis
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
2142	B.B.A.	Marketing - Purchasing and Materials Management

College of Education

3243	B.S.Ed.	Career and Technology Education - Allied Health Education
3242	B.S.Ed.	Career and Technology Education - Business and Information Technology Education/Marketing Education
3244	B.S.Ed.	Career and Technology Education - Family and Consumer Science
3241	B.S.Ed.	Career and Technology Education - Trade and Industrial Education
3100	B.S.	Community Health
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
3260	B.S.	Industrial Safety
3120	B.S.	Kinesiology - Exercise/Fitness Management
3122	B.S.	Kinesiology - Outdoor and Community Recreation
3080	B.S.	Nutrition, Dietetics and Food Management
3230	B.S.	Organizational Leadership
3140	B.S.Ed.	Physical Education/Health
3300	B.A.	Psychology
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 Liberal Arts

5080	B.A.	Applied Liberal Arts
5280	B.A.	Criminal Justice - General Criminal Justice
5281	B.A.	Criminal Justice - Police
5040	B.A.	English
5041	B.A.	English - Creative Studies
5060	B.A.Ed.	English Education
5100	B.A.	Geography
5120	B.A.	History - General
5121	B.A.	History - Museum Studies
5140	B.A.Ed.	History Education
5170	B.A.	Humanities
5007	B.A.	Mass Communication - Brand Communication/Advertising
5003	B.A.	Mass Communication - Broadcasting
5005	B.A.	Mass Communication - Interpersonal Communication
5006	B.A.	Mass Communication - Journalism
5004	B.A.	Mass Communication - Organizational Communication
5008	B.A.	Mass Communication - Photographic Arts
5009	B.A.	Mass Communication - Public Relations
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
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
5030	B.A.T.	Technology Application Studies

College of Mathematics and Science

6140	B.S.	Actuarial Science
6000	B.S.	Biology
6220	B.S.	Biomedical Engineering
6060	B.S.	Chemistry
6061	B.S.	Chemistry - ACS Certificate
6062	B.S.	Chemistry - Health Sciences
6030	B.S.	Clinical Lab Science/Med-Tech
6100	B.S.	Computer Science
6101	B.S.	Computer Science - Applied
6102	B.S.	Computer Science - Information Science
6245	B.S.	Engineering Physics - Electrical Systems
6244	B.S.	Engineering Physics - Mechanical Systems
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
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

Interdisciplinary Studies

7020	B.S.	Forensic Science
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Undergraduate Minors, Certificate and Pre-Professional Codes

Undergraduate Minors

2019	Accounting
1019	Art
1018	Art History
6019	Biology
2099	Business Administration
6079	Chemistry
3119	Community Health
6119	Computer Science
5299	Criminal Justice
1059	Design - Graphic Design
1058	Design - Illustration
6259	Engineering Physics
2039	Economics
5058	English - Creative Studies
5059	English
3079	Fashion Marketing
2079	Finance
2068	Finance - Business Law
2069	Finance - Insurance
2067	Finance - Real Estate
2078	Finance - Risk Management
5119	Geography
5139	History
3099	Human Environmental Sciences
5199	Humanities
2119	Information and Operations Management - Management Information Systems
7019	Leadership
2159	Marketing
2158	Marketing - Professional Selling
5212	Mass Communication - Advertising
5210	Mass Communication - Communication
5211	Mass Communication - Journalism
5209	Mass Communication - Organizational Communication
5213	Mass Communication - Photographic Arts
5215	Mass Communication - Public Discourse
5214	Mass Communication - Public Relations
6179	Mathematics
2179	Military Science
5239	Modern Languages - French
5238	Modern Languages - German
5237	Modern Languages - Spanish
1079	Music
1078	Music - Jazz Studies
3098	Nutrition
5198	Philosophy
5196	Philosophy - Classical Studies in Greek
5197	Philosophy - Classical Studies in Latin
5279	Political Science - General
5277	Political Science - International Relations
5276	Political Science - Pre-Law
5275	Political Science - Public Administration
3319	Psychology
6059	Secondary Science Education
5319	Sociology
5318	Sociology - Substance Abuse Studies
6178	Statistics
1139	Theatre Arts

Interdisciplinary Minors

5566	American Indian Studies
5568	Asian Studies
5569	Ethnic Studies
5570	Film Studies
5278	Global Studies
5571	Religious Studies

5567	Russian Studies
5572	Women's Studies

Certificate

6121	Funeral Service Certificate
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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 academic advisors in their major and also see the Health Professions Advisor in the College of Mathematics and Science. For more information on Pre-Professional programs, please contact the Office of Academic Advisement at 405-974-2342.

University Core

	Minimum Required Hours	Minimum Required Hours
University Core (Total Listed 42-44)		
Written and Oral Communication	9	
English Composition.....	6	
ENG 1113 English Composition OR		
ENG 1143 Comp and Community Service OR		
* ENG 1153 English Composition - Int OR		
* ENG 1173 English Composition Honors		
ENG 1213 English Composition and Research OR		
* ENG 1223 Comp & Research: International OR		
* ENG 1233 Composition and Research Honors OR		
ENG 1243 Comp, Community & Research		
Oral Communication.....	3	
MCOM 1113 Fundamentals of Speech		
* MCOM 2023 Communication for Teachers		
Quantitative Reasoning/Scientific Method	10-11	
Math.....	3	
MATH 1113 Math for General Education		
MATH 1513 College Algebra		
* MATH 1453 College Algebra for Business		
* MATH 1593 Plane Trigonometry		
* MATH 2013 Structures of Mathematics		
* MATH 2023 Foundations of Geom & Meas		
* MATH 2053 Calculus and Stat for Business		
* MATH 2153 Bio-Calculus		
* MATH 2313 Calculus I		
* MATH 2305 Accelerated Calculus 1 and 2		
* STAT 2103 Intro Statistics for Sciences		
* STAT 3103 Statistical Methods I		
At least one course from the Life or Physical Sciences must include a lab.		
Life Science	4	
BIO 1114 General Biology		
BIO 1214 & 1214L General Biology and General Bio Lab		
* BIO 1204 Biology I for Majors		
Physical Science.....	3-4	
PHY 1014 University Physical Science		
PHY 1024 University Physical Science with Lab		
CHEM 1003 Chemistry and Society		
CHEM 1024 Chemistry and Society with Laboratory		
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 Scientists and Engineers I		
Critical Inquiry and Aesthetic Analysis	6	
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		
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		
HIST 1493 History of US since 1877		
Cultural and Language Analysis	3-4	
^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 Survey of Art History I		
ART 2403 Survey of Art History II		
ENG 2213 Introduction to Women's Studies		
FMKT 2323 Global Diversity and Protocol		
GEO 2303 Regional Geography of the World		
HIST 1013 World History I		
HIST 1023 World History II		
HIST 1273 E Asian Civilization to 1500		
HIST 1283 E Asian Civilization from 1500		
HIST 1333 History of African Americans		
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		
MUS 2123 Music Appreciation		
MUS 2423 Native American Music		
MUS 2633 Jazz History		
MUS 2623 Music History Survey I		
POL 2713 Introduction to Comparative Politics		
THRT 1313 Intro to Theatre		
Social and Behavioral Analysis	3	
BADM 1103 Introduction to Business		
ECON 1103 Introduction to Economics		
ECON 1203 Economics of Social Issues		
FMCD 2213 Child Development		
PSY 1103 General Psychology		

University Core - CONTINUED

Minimum Required Hours

- CONTINUED FROM PREVIOUS PAGE -

Life Skills 5

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

* 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 2012 Personal Computer Productivity

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

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

MPER 1232 Class Guitar

MPER 2101 Edmond Community Chorale

MPER 2141 Cantilena

MPER 2281 Marching Band

MPER 2381 Symphonic Band

MPER 2391 Orchestra

MPER 2461 Cantare

MPER 3111 Concert Chorale

PHED 1141 Bench Aerobics

PHED 1151 Waterobics

PHED 1161 Weight Training

PHED 1211 Inline Skating

PHED 1221 Hatha Yoga

PHED 1231 Walking Fitness

PHED 1311 Karate

PHED 1561 Beginning Soccer and Volleyball

PHED 1701 Beginning Swimming

PHED 1711 Intermediate Swimming

PHED 1761 Beginning Tennis

PHED 1771 Intermediate Tennis

PHED 2301 Beginning Bowling

PHED 2391 Beginning Archery

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.

College of Business Administration

Academic Degree Programs



Program: **Accounting**
 Major: **Accounting**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Accounting**
 College: **Business Administration**
 Major Code: **2000**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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

Business Support Courses 9
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Accounting 72

Business core courses 39

- Required courses:**
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

- Select ONE course from the following:
- ECON 4103 Economic Growth and Development
 - ECON 4403 International Economics
 - ECON 4603 Comparative Economic Systems
 - FIN 4273 International Finance
 - LS 4533 Law of International Business Transactions
 - MGMT 4253 International Management
 - MRKT 4413 International Marketing

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.)

Legal Studies (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 and (b) course work at UCO 2.25
2. Average in all major courses 2.50
3. Average in the 3/4000 level accounting courses in the major..... 2.50

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Business Administration** Dept: Management
 Major: **Business Administration - General Business** College: Business Administration
 Degree: **Bachelor of Business Administration (B.B.A.)** Major Code: 2081

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Minimum Required Hours
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Business Administration - General Business 63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

- Select ONE course from the following:
- ECON 4103 Economic Growth and Development
 - ECON 4403 International Economics
 - ECON 4603 Comparative Economic Systems
 - FIN 4273 International Finance
 - LS 4533 Law of International Business Transactions
 - MGMT 4253 International Management
 - MRKT 4413 International Marketing

Business Administration - General Business 24
 Minimum Required Hours
 Selecting no more than nine hours from any one of the following areas:
 (Must be 3000/4000 level courses)
 Accounting
 Business Administration
 Business Communication
 Economics
 Finance
 Information Systems and Operations Management
 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, and (c) major courses 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Business Administration** Dept: Economics and International Business
 Major: **Business Administration - International Business** College: Business Administration
 Degree: **Bachelor of Business Administration (B.B.A.)** Major Code: 2084

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Business Support Courses 9	
Required courses:	
ECON 2103 Principles of Microeconomics	
MATH 1453 College Algebra for Business	
MATH 2053 Calculus and Statistics 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.)

**Business Administration -
International Business 69**

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

International Business 30

International Business Core * 18

Selected from the following courses:

- IB 3323 International Business Communication
- MGMT 4253 International Management
- FIN 4273 International Finance
- ECON 4403 International Economics
- MRKT 4413 International Marketing
- ECON 4433 International Monetary Relations
- LS 4533 Law of International Business Transactions

*International courses taken to satisfy the Business Core requirement will not count toward this requirement.

Emphasis Areas 9

Select nine (9) hours from any one area below:

Area A: Latin America

- IB 3433 The Business of Latin America 3
- and

Six hours chosen from: 6

- GEO 3143 Geography of Latin America
- HIST 4153 History of Latin America
- HIST 4513 History of Mexico
- POL 4813 Latin American Politics
- BADM 4930 Individual Study
- BADM 4950 Internship
- BADM 4970 Study Tour

Area B: Asia-Pacific

- IB 3463 The Business of Asia 3
- and

Six hours chosen from: 6

- GEO 3173 Geography of Australia & the Major Pacific Islands
- GEO 3183 Geography of South Asia
- GEO 3303 Geography of Russia and Central Asia
- GEO 3403 Geography of Western Pacific

Program: **Business Administration** - continued Dept: Economics and International Business
 Major: **Business Administration - International Business** College: Business Administration
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2082

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

- POL 4023 Chinese Politics
- POL 4403 Asian Politics
- HIST 4863 History of Modern Southeast Asia
- BADM 4930 Individual Study
- BADM 4950 Internship
- BADM 4970 Study Tour

Area C: Europe

- IB 3443 The Business of Europe 3
and
- Six hours chosen from: 6
- GEO 3123 Geography of Europe
- HIST 3213 World War II
- HIST 4103 Europe, 1919 to 1945
- HIST 4343 Russian History Since 1917
- HIST 4773 Modern Germany History
- BADM 4930 Individual Study
- BADM 4950 Internship
- BADM 4970 Study Tour

Area D: Middle East and Africa

- IB 3453 The Business of Africa and
the Middle East 3
and
- Six hours chosen from: 6
- GEO 3153 Geography of Middle East & North Africa
- GEO 3163 Geography of Africa
- POL 4143 African Politics
- HIST 4713 Modern Middle East
- BADM 4930 Individual Study
- BADM 4950 Internship
- BADM 4970 Study Tour

Area E: International Economics

- ECON 4423 Econometric Methods 3
and
- Six hours chosen from: 6
Any 3000/4000 economics courses

Additional Modern Language and Analysis 3
 (Beyond University Core) Chosen from: Arabic, Chinese,
 French, German, Japanese, or Spanish

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 2.25

**For other regulations pertaining to graduation, see
pages 61-62 of the 2010-2011 catalog.**

Program: **Business Administration**
 Major: **Business Administration - Legal Studies**
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Finance**
 College: **Business Administration**
 Major Code: **2083**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Business Administration - Legal Studies 63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

Business Administration - Legal Studies 24
 Select 15 hours from the following courses:..... 15

- BCOM 4233 Business Proposals and Presentations **OR**
- ENG 4023 Technical Writing
- LS 4143 Law of Business Organizations
- LS 4153 Contemporary Workplace Issues
- LS 4163 Law for E-Commerce
- LS 4173 Law of Real Property
- LS 4223 Law of Commercial Transactions
- **LS 4533 Law of International Business Transactions
- LS 4910 Seminar (3 hours)

**The global/international course completed in fulfillment for the business core cannot be used to satisfy this major requirement.

Select 9 hours from the following courses:..... 9

- PHIL 1103 Logic and Critical Thinking
- PHIL 3103 Ethical Theory
- POL 3103 Constitutional Law, Organization and Powers of the National Government
- POL 3203 Civil Liberties and the Courts
- POL 3613 Criminal Law and Procedure

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Economics**
 Major: **Economics**
 Degree: Bachelor of Arts (B.A.)

Dept: Economics and International Business
 College: Business Administration
 Major Code: 2020

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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

Economics 53-55

Minimum
Required Hours

Core Theory Courses 12

Required courses:

- ECON 2103 Principles of Microeconomics
- ECON 2203 Principles of Macroeconomics
- ECON 3203 Intermediate Microeconomics
- ECON 3653 Intermediate Macroeconomics

Other Required Courses 15

- Quantitative Economics 6
- ECON 2173 Principles of Business Statistics
- ECON 4213 Quantitative Business Forecasting **OR**
- ECON 4423 Econometric Methods

Mathematics 3

- MATH 1453 College Algebra for Business **OR**
- MATH 1513 College Algebra

Social Sciences 6

Selected from the following:

1. Political Science (in addition to POL 1113)
2. History (in addition to HIST 1483 OR 1493)
3. Geography
4. Sociology

Elective Economics (3000/4000 Level) 24

Capstone Experience 2-4

- ECON 4930 Individual Study in Economics (1-3 hours)
- and/or**
- ECON 4950 Internship in Economics (1- 8 hours)

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Economics**
 Major: **Economics**
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Economics and International Business**
 College: **Business Administration**
 Major Code: **2040**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Economics 62-64

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

- Select ONE course from the following:
- ECON 4103 Economic Growth and Development
 - ECON 4403 International Economics
 - ECON 4603 Comparative Economic Systems
 - FIN 4273 International Finance
 - LS 4533 Law of International Business Transactions
 - MGMT 4253 International Management
 - MRKT 4413 International Marketing

Economics 23-25
 Required courses:..... 6

- ECON 3203 Intermediate Microeconomics
- ECON 3653 Intermediate Macroeconomics

Advanced Economics (3000/4000 level) 12

Applied Economics Skills 2-4

Select ONE (1) from the following:

- ECON 3123 Intermediate Business Statistics
- ECON 4323 Policy Analysis
- ECON 4950 Internship in Economics (1-8 hours) **OR**
- ECON 4930 Individual Study in Economics (1-4 hours)

Quantitative Economics 3

- ECON 4213 Quantitative Business Forecasting **OR**
- 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, and (c) major courses 2.25**

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Finance**
 Major: **Finance**
 Degree: Bachelor of Business Administration (B.B.A.)

Dept: Finance
 College: Business Administration
 Major Code: 2060

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Business Support Courses 9	
Required courses:	
ECON 2103 Principles of Microeconomics	
MATH 1453 College Algebra for Business	
MATH 2053 Calculus and Statistics 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.)

Finance 63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

	Minimum Required Hours
Finance 24	

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**
- Any 3 hour, 3000/4000 level Accounting course

Electives from the following 12

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, and (c) major courses 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program:	Finance	Dept:	Finance
Major:	Finance - Insurance and Risk Management	College:	Business Administration
Degree:	Bachelor of Business Administration (B.B.A.)	Major Code:	2061

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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	
Business Support Courses 9		
Required courses:		
ECON 2103	Principles of Microeconomics	
MATH 1453	College Algebra for Business	
MATH 2053	Calculus and Statistics 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.)

Finance - Insurance and Risk Management.....63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

Insurance 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 I
 - MATH 4233 Mathematics of Life Contingencies II
- 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, and (c) major courses 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Information and Operations Management** Dept: Info Systems & Operations Management
 Major: Information and Operations Management - Management Information Systems College: Business Administration
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2100

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Minimum Required Hours
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Information and Operations Management - Management Information Systems 68

Business core courses 39
 Minimum Required Hours
 Required courses:
 ACCT 2113 Accounting I
 ACCT 2133 Accounting II
 ECON 2173 Principles of Business Statistics
 ECON 2203 Principles of Macroeconomics
 MRKT 3013 Principles of Marketing
 MGMT 3103 Management and Organizational Behavior
 LS 3113 Legal Environment of Business
 BCOM 3143 Business Communication
 ISOM 3263 Management Information Systems
 ISOM 3313 Operations Management
 FIN 3563 Fundamentals of Business Finance
 MGMT 4813 Strategic Management

Select ONE course from the following:
 ECON 4103 Economic Growth and Development
 ECON 4403 International Economics
 ECON 4603 Comparative Economic Systems
 FIN 4273 International Finance
 LS 4533 Law of International Business Transactions
 MGMT 4253 International Management
 MRKT 4413 International Marketing

Management Information Systems 29
 Minimum Required Hours
 Required courses: 20
 ISOM 2012 Personal Computer Productivity
 ISOM 2313 Programming for Business Applications
 ISOM 3363 Implementing End-User Systems
 ISOM 4163 Business Systems Analysis and Design
 ISOM 4263 Data Resource Management
 ISOM 4303 Business Application Architecture
 ISOM 4363 Information Systems Management
 Select from the following 9
 ACCT 3113 Managerial Accounting
 CMSC 2613 Programming II
 CMSC 3103 Object Oriented Programming
 ISOM 3123 Introduction to Management Science
 ISOM 4043 Operations Planning and Control
 ISOM 4063 Computer Simulation
 ISOM 4283 Developing Decision Support Systems
 ISOM 4323 Methods of Operations Supervision
 ISOM 4333 Project Management
 ISOM 4343 Managing Operations Technology
 ISOM 4353 Quality Assurance
 ISOM 4463 Business Data Communications
 ISOM 4910 Seminar (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, and (c) major courses 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Information and Operations Management** Dept: Info Systems & Operations Management
 Major: Information and Operations Management - Operations Management and Analysis College: Business Administration
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2101

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

**Information and Operations Management -
 Operations Management and Analysis 68**

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

Operations Management and Analysis 29

- Required courses:..... 20
- ISOM 2012 Personal Computer Productivity
 - ISOM 3123 Introduction to Management Science
 - ISOM 3363 Implementing End-User Systems
 - ISOM 4043 Operations Planning and Control
 - ISOM 4163 Business Systems Analysis and Design
 - ISOM 4343 Managing Operations Technology
 - ISOM 4353 Quality Assurance

Select from the following courses 9

- ACCT 3413 Cost Accounting **OR**
- ACCT 3113 Managerial Accounting
- ECON 3123 Intermediate Business Statistics
- ISOM 4063 Computer Simulation
- ISOM 4283 Developing Decision Support Systems
- ISOM 4323 Methods of Operations Supervision
- ISOM 4333 Project Management
- ISOM 4910 Seminar (1-3 hours)
- MRKT 3313 Business Logistics
- MGMT 4623 The Art of Leadership

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Management**
 Major: **Management**
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Management**
 College: **Business Administration**
 Major Code: **2120**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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
Business Support Courses 9	
Required courses:	
ECON 2103 Principles of Microeconomics	
MATH 1453 College Algebra for Business	
MATH 2053 Calculus and Statistics 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.)

Management 63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

	Minimum Required Hours
General Management 24	

- Required courses..... 9
- MGMT 3143 Labor Relations Management
 - MGMT 3313 Human Resource Management
 - MGMT 4213 Management Theory

Elective Management (3000/4000 level) 9

Elective Business (3000/4000 level)..... 6
 Selected from: ACCT, BADM, BCOM, ECON, FIN, ISOM, LS, MGMT, or MRKT

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Management** Dept: Management
 Major: **Management - Human Resource Management** College: Business Administration
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2122

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Minimum Required Hours
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Management - Human Resource Management 63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- MGMT 4253 International Management
- FIN 4273 International Finance
- ECON 4403 International Economics
- MRKT 4413 International Marketing
- LS 4533 Law of International Business Transactions
- ECON 4603 Comparative Economic Systems

Human Resource Management 24
 Minimum Required Hours

- Required courses 18
- MGMT 3143 Labor Relations Management
 - MGMT 3313 Human Resource Management
 - MGMT 3413 Legal Environment of HR Compliance
 - MGMT 4213 Management Theory
 - MGMT 4423 Ethical & Legal Aspects of T & D
 - MGMT 4513 HR Compensation Systems
- Select from the following courses 6
- MCOM 2053 Introduction to Human Communications
 - ECON 4513 Labor Economics and Public Policy
 - FIN 4423 Employee Benefit Planning
 - MGMT 4623 The Art of Leadership
 - PHIL 1123 Contemporary Moral Problems
 - POL 2413 Introduction to Public Administration
 - SFTY 2343 Safety Education
 - SFTY 3433 Introduction to OSHA
 - SOC 2303 Social Psychology

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Management**
 Major: **Management - PGA Golf Management**
 Degree: **Bachelor of Business Administration (B.B.A.)**

Dept: **Management**
 College: **Business Administration**
 Major Code: **2126**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Business Support Courses 12	
Required courses:	
ECON 2103 Principles of Microeconomics	
MATH 1453 College Algebra for Business	
MATH 2053 Calculus and Statistics for Business	
NTRN 1613 Principles of Food Preparation	

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.)

**Management -
 PGA Golf Management 87**

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

	Minimum Required Hours
PGA Golf Management 48	
Business 15	
BCOM 4113 Interpersonal Communication	
MGMT 3313 Human Resources Management	
MGMT 4263 Small Business Management	
MGMT 4623 The Art of Leadership	
MRKT 4453 Retail Management	
PGM 23	
MGMT 1222 PGM Introduction	
MGMT 1233 Rules of Golf & Tournament Operations	
MGMT 1322 Introduction to Teaching Golf	
MGMT 1333 Introduction to Golf Course Operations	
MGMT 1422 Golf Operations I	
MGMT 1432 Analysis of the Golf Swing	
MGMT 1522 Golf Operations II	
MGMT 1532 Swing Concepts of Teaching Golf	
MGMT 4950 Internship in Management (I) (1 hour)	
MGMT 4950 Internship in Management (II) (1 hour)	
MGMT 4950 Internship in Management (III) (1 hour)	
MGMT 4950 Internship in Management (IV) (1 hour)	
MGMT 4950 Internship in Management (V) (1 hour)	
Food Science 4	
NTRN 4664 Food and Beverage Management	
Horticulture 6	
Offered in cooperation with Oklahoma State University at Oklahoma City. See PGM Director for more information.	
HRT 1013 Principles of Horticulture	
HRT 2113 Turf Management	

- CONTINUED ON NEXT PAGE -

Program: **Management** - continued
 Major: **Management - PGA Golf Management**
 Degree: Bachelor of Business Administration (B.B.A.)

Dept: Management
 College: Business Administration
 Major Code: 2126

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

The number of credits needed to meet degree requirements exceeds the 124 hour minimum and will vary according to course selection.

Minimum Grade Requirements

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Marketing**
 Major: **Marketing**
 Degree: Bachelor of Business Administration (B.B.A.)

Dept: Marketing
 College: Business Administration
 Major Code: 2140

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Minimum Required Hours

Required courses:

- ECON 2103 Principles of Microeconomics
- MATH 1453 College Algebra for Business
- MATH 2053 Calculus and Statistics 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.)

Marketing 63

Business core courses 39

Required courses:

- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- ECON 2173 Principles of Business Statistics
- ECON 2203 Principles of Macroeconomics
- MRKT 3013 Principles of Marketing
- MGMT 3103 Management and Organizational Behavior
- LS 3113 Legal Environment of Business
- BCOM 3143 Business Communication
- ISOM 3263 Management Information Systems
- ISOM 3313 Operations Management
- FIN 3563 Fundamentals of Business Finance
- MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

Marketing 24
 Minimum Required Hours

Required courses: 9

- MRKT 3423 Consumer and Marketing Behavior **OR**
- MRKT 4483 Business to Business Marketing
- MRKT 4113 Marketing Research
- MRKT 4813 Marketing Management

Elective Marketing 12

Select any combination from the following:

- Any 3000/4000 level MRKT course
- ECON 3123 Intermediate Business Statistics
- MCOM 2193 Principles of Public Relations
- MRKT 3123 Personal Selling

Elective Business (3000/4000 level courses) 3

Selected from: ACCT, BADM, BCOM, ECON, FIN, ISOM, LS, MGMT, or MRKT

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Marketing** Dept: Marketing
 Major: **Marketing - Purchasing and Materials Management** College: Business Administration
 Degree: Bachelor of Business Administration (B.B.A.) Major Code: 2142

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Business Support Courses 9
 Minimum Required Hours
 Required courses:
 ECON 2103 Principles of Microeconomics
 MATH 1453 College Algebra for Business
 MATH 2053 Calculus and Statistics 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.)

Marketing - Purchasing and Material Management 63

Business core courses 39

- Required courses:
- ACCT 2113 Accounting I
 - ACCT 2133 Accounting II
 - ECON 2173 Principles of Business Statistics
 - ECON 2203 Principles of Macroeconomics
 - MRKT 3013 Principles of Marketing
 - MGMT 3103 Management and Organizational Behavior
 - LS 3113 Legal Environment of Business
 - BCOM 3143 Business Communication
 - ISOM 3263 Management Information Systems
 - ISOM 3313 Operations Management
 - FIN 3563 Fundamentals of Business Finance
 - MGMT 4813 Strategic Management (Seniors only)

Select ONE course from the following:

- ECON 4103 Economic Growth and Development
- ECON 4403 International Economics
- ECON 4603 Comparative Economic Systems
- FIN 4273 International Finance
- LS 4533 Law of International Business Transactions
- MGMT 4253 International Management
- MRKT 4413 International Marketing

Purchasing and Materials Management 24
 Minimum Required Hours

- Required courses: 12
- MRKT 3313 Business Logistics
 - MRKT 4433 Purchasing and Materials Management
 - MRKT 4483 Business to Business Marketing
 - MRKT 4813 Marketing Management

Twelve (12) hours selected from the following 12

- ACCT 3113 Managerial Accounting
- BCOM 4233 Business Proposals and Presentations
- ECON 3123 Intermediate Business Statistics
- GEO 3113 Introduction to Geographic Information Systems
- ISOM 4043 Operations Planning and Control
- ISOM 4333 Project Management
- ISOM 4353 Quality Assurance
- MRKT 4113 Marketing Research
- MRKT 4323 Advanced Personal Selling
- MRKT 4453 Retail Management
- MRKT 4473 Advanced Purchasing & Materials Management
- MRKT 4950 Internship in Marketing

Approved Workshops, Seminars, Institutes or upper level courses in Management or Marketing

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 2.25

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

College of Education and Professional Studies

Academic Degree Programs



Program: **Career and Technology Education** Dept: Occupational and Tech Education
 Major: Career and Technology Education - Allied Health Education College: Education and Professional Studies
 Degree: Bachelor of Science in Education (B.S.Ed.) Major Code: 3243

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses..... 9
 MCOM 2023 Communication for Teachers
 ENG 1113 English Composition
 ENG 1213 English Composition and Research

Allied Health Education 51

Required Core Courses 16

OCTE 4112 Career and Technology Student Organizations
 + OCTE 4203 History and Philosophy of Career Tech Educ
 + OCTE 4403 Overview of Occupational Education
 + OCTE 4233 Curriculum Design in OCTE
 + OCTE 4853 Methods of Teaching OCTE
 OCTE 4842 Capstone in Career and Technology Education

Occupational Proficiency..... 24

This requirement may be met by the following:

- Upon passing an approved Health Occupation competency exam, twenty-four (24) hours may be credited in a single Health Occupation area.
- Transfer to UCO an AAS, AA or AS degree or its equivalent from an accredited college or university with a major in Allied Health leading to a career tech credential.

All collegiate work transferred to UCO will be accredited as received. However, where there are doubts as to worthiness and/or sufficiency of such work, the University of Central Oklahoma reserves the right to validate such work by Advanced Standing Examinations.

Required Allied Health Education Course 2

+ OCTE 4242 Organ. and Admin. of Health Occupations Programs

Electives from the following 9

BIO 2102 Bio and Medical Terminology
 BIO 2203 Cell Biology
 BIO 2314 Introductory Microbiology and Lab
 BIO 2233 Heredity and Evolution
 BIO 3515 Pathogenic Microbiology and Immunology and Lab
 FNRL 3483 Psychology of Grief
 HLTH 3203 Prevention and Control of Disease
 HLTH 3263 Consumer Health and Mass Media

Minimum Required Hours
 HLTH 3403 Leadership and Value Formation
 HLTH 4203 Health Assessment and Evaluation
 NTRN 4412 Societal Impact on Aging
 OCTE 4742 Health Issues for Older Adults
 OCTE 4731 Drug Issues for the Older Adult
 SFTY 4013 Alcohol and Drug Education
 SOC 2303 Social Psychology
 SOC 3203 Minorities in American Society
 SOC 3303 Sociology of Health and Medicine

Professional Education 28

PTE 3023 Foundations of American Education/Field Exp
 PTE 3153 Adolescent Psychology
 SPED 4123 Teaching Individuals with Disabilities
 IME 3312 Technology for Teachers
 ^**PTE 4172 Educational Assessment
 ^**PTE 4533 Educational Psychology/Field Experience
 ^#PTE 4811 Contemporary Issues
 ^#PTE 4838 Student Teaching Secondary
 ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

** To be taken the same semester

To be taken the same semester

+ Basic 14 requirements

Students who are already Provisionally Certified should see the Department Chair for alternate Professional Education coursework.

Electives to bring total to..... 124

Program:	Career and Technology Education - cont'd	Dept:	Occupational and Tech Education
Major:	Career and Technology Education - Allied Health Education	College:	Education and Professional Studies
Degree:	Bachelor of Science in Education (B.S.Ed.)	Major Code:	3243

- CONTINUED FROM PREVIOUS PAGE -

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education,
and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

This major has specialized admission to Teacher Education criteria that differ from those of other education programs. Contact the Department of Occupational Technology Education for more information.

Program: **Career and Technology Education** Dept: **Occup and Tech Educ**
 Major: **Career and Technology Education - Bus & Info Tech Ed/Mrkt Ed** College: **Education and Prof. Studies**
 Degree: **Bachelor of Science in Education (B.S.Ed.)** Major Code: **3242**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
Support Courses..... 9		^**PTE 4172 Educational Assessment	
MCOM 2023 Communication for Teachers		^**PTE 4533 Educational Psychology/Field Experience	
ENG 1113 English Composition		^#PTE 4811 Contemporary Issues	
ENG 1213 English Composition and Research		^#PTE 4838 Student Teaching Secondary	
		^#PTE 4853 Classroom Management and Instruction	

**Business and Information Technology46
 (BITE)/Marketing Education (ME)**

Required Core Courses 16

- OCTE 4112 Career and Technology Student Organizations
- OCTE 4203 History and Philosophy of Career Tech Educ
- OCTE 4403 Overview of Occupational Education
- OCTE 4233 Curriculum Design in OCTE
- OCTE 4853 Methods of Teaching OCTE
- OCTE 4842 Capstone in Career and Technology Education

Required Courses..... 30

- ACCT 2113 Accounting I
- BCOM 3143 Business Communication
- ECON 2103 Principles of Microeconomics **OR**
- ECON 2203 Principles of Macroeconomics
- MGMT 3103 Management and Organizational Behavior
- MRKT 3013 Principles of Marketing
- OCTE 4533 Integrating Project-Based Learning
- OCTE 4543 Web Page Design
- OCTE 4553 Multimedia Production
- OCTE 4653 Managing a BITE Program
- OCTE 4723 Troubleshoot and Maintain a Computer Network

Professional Education28

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers

^ Admission to Teacher Education required
 ** To be taken the same semester
 # To be taken the same semester

Students who are already Provisionally Certified should see the Department Chair for alternate Professional Education coursework.

Electives to bring total to..... 124

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Career and Technology Education** Dept: Occup and Tech Educ
 Major: Career and Technology Education - Family & Consumer Sciences College: Education and Prof. Studies
 Degree: Bachelor of Science in Education (B.S.Ed.) Major Code: 3244

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Family and Consumer Sciences 48

Required Core Courses 16

- OCTE 4112 Career and Technology Student Organizations
- OCTE 4203 History and Philosophy of Career Tech Educ
- OCTE 4403 Overview of Occupational Education
- OCTE 4233 Curriculum Design in OCTE
- OCTE 4853 Methods of Teaching OCTE
- OCTE 4842 Capstone in Career and Technology Education

Required Courses..... 26

- DES 1013 Interior Design for Non-Majors
- ECED 4422 Parent Community Relations OR
- FMCD 4712 Parent Education
- FACS 3633 Problems of Today's Consumer
- FACS 4453 Consumer Management
- FACS 4513 Family Resource Management
- FACS 4573 Career Education
- FMCD 4413 Contemporary American Families OR
- FMCD 2223 Marriage
- NTRN 1483 Personal Nutrition OR
- NTRN 1513 Introduction to Nutrition
- NTRN 1613 Principles of Food Preparation

Electives from the following 6

- FMCD 2213 Child Development
- FMCD 2313 Sex Thru the Lifespan
- FMKT 1203 Basic Clothing Construction
- FMKT 1303 Introduction to Textiles

	Minimum Required Hours
Professional Education 28	
PTE 3023 Foundations of American Education/Field Exp	
PTE 3153 Adolescent Psychology	
SPED 4123 Teaching Individuals with Disabilities	
IME 3312 Technology for Teachers	
^**PTE 4172 Educational Assessment	
^**PTE 4533 Educational Psychology/Field Experience	
^#PTE 4811 Contemporary Issues	
^#PTE 4838 Student Teaching Secondary	
^#PTE 4853 Classroom Management and Instruction	

^ Admission to Teacher Education required
 ** To be taken the same semester
 # To be taken the same semester

Students who are already Provisionally Certified should see the Department Chair for alternate Professional Education coursework.

Electives to bring total to..... 124

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Career and Technology Education** Dept: Occupational and Tech Education
 Major: Career and Technology Education - Trade & Industrial Educ College: Education and Professional Studies
 Degree: Bachelor of Science in Education (B.S.Ed.) Major Code: 3241

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Trade and Industrial Education 47

Required Core Courses 16

OCTE 4112	Career and Technology Student Organizations
OCTE 4203	History and Philosophy of Career Tech Educ
OCTE 4233	Curriculum Design in OCTE
OCTE 4403	Overview of Occupational Education
OCTE 4853	Methods of Teaching OCTE
OCTE 4842	Capstone in Career and Technology Education

Required Courses..... 7

OCTE 4253	Safety, Organization and Management of CTE
OCTE 4423	Instructional Evaluation OTE
OCTE 4631	Legal and Professional Issues in OCTE

Occupational Proficiency..... 24

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.

Professional Education 28

PTE 3023	Foundations of American Education/Field Exp
PTE 3153	Adolescent Psychology
SPED 4123	Teaching Individuals with Disabilities
IME 3312	Technology for Teachers
^**PTE 4172	Educational Assessment
^**PTE 4533	Educational Psychology/Field Experience
^#PTE 4811	Contemporary Issues
^#PTE 4838	Student Teaching Secondary
^#PTE 4853	Classroom Management and Instruction

^ Admission to Teacher Education required

** To be taken the same semester

To be taken the same semester

Students who are already Provisionally Certified should see the Department Chair for alternate Professional Education coursework.

Electives to bring total to..... 124

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

This major has specialized admission to Teacher Education criteria that differ from those of other education programs. Contact the Department of Occupational Technology Education for more information.

Program: **Community Health**
 Major: **Community Health**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Kinesiology and Health Studies**
 College: **Education and Professional Studies**
 Major Code: **3100**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Community Health..... 62

Required Theory 47

- HLTH 1112 Healthy Life Skills
- * HLTH 2203 Introduction to Community Health
- * HLTH 4900 Practicum in Health (1 hour)
- HLTH 2212 First Aid with Cardiopulmonary Resuscitation
- HLTH 3313 Substance Prevention Education
- HLTH 3162 Environmental Health
- HLTH 3203 Prevention & Control of Disease
- HLTH 3223 Applied Anatomy
- HLTH 3263 Consumer Health and Mass Media
- HLTH 3403 Leadership and Value Formation
- HLTH 3452 Group Dynamics
- HLTH 4103 Human Development
- HLTH 4203 Health Assessment and Evaluation
- HLTH 4313 Social Health and Sexual Interactions
- ** HLTH 4433 Community Intervention
- ** HLTH 4900 Practicum in Health (1 hour)
- HLTH 4523 Health and Aging
- HLTH 4950 Internship: Community Health (4 hours)

* Must be taken in same semester.

** Must be taken in same semester.

Required Related Course Work 15

- BIO 2102 Biological & Medical Terminology
- CHEM 1003 Chem and Society **OR** 3 hours of Chemistry
- NTRN 3131 Food Safety and Sanitation
- PHIL 3533 Dying and Death **OR**
- FNRL 3483 Psychology of Grief
- SFTY 3433 Introduction to OSHA
- SOC 3203 Minorities in American Society

Declared Minor 18-24

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 major "C"

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses..... 20
 MCOM 2023 Communication for Teachers
 ENG 1113 English Composition
 ENG 1213 English Composition and Research
 HIST 1483 History of the United States to 1877
 Physical Science (four hours in University Core)
 Life Science (four hours in University Core)

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

Core Area 9

ECED 4073 Language Development and Emergent Literacy
 ELED 4063 Teaching Reading in Primary Grades
 ^ELED 4183 Assessment and Intervention Practices for the Teaching of Reading in Grades K-8

Early Childhood Emphasis 25

FMCD 3313 Guidance of the Young Child
 FMCD 4413 Contemporary American Families
 ECED 4112 Health, Safety, and Nutrition in Early Childhood
 ^ECED 4133 Science and Social Studies in Early Childhood
 ECED 4222 Leadership and Diverse Communities

Minimum Required Hours

ECED 4313 Creativity in Early Childhood
 ^ECED 4422 Parent Community Relations
 ^***ECED 4443 Theory and Practice in Early Childhood
 ^***ECED 4900 Early Childhood Education Practicum (1 hour)
 ^ELED 4323 Teaching Mathematics in the Preschool & Primary Grades

Professional Education 28

PTE 3023 Foundations of American Education/Field Exp
 PTE 3133 Child Psychology
 SPED 4123 Teaching Individuals with Disabilities
 IME 3312 Technology for Teachers
 ^**PTE 4172 Educational Assessment
 ^**PTE 4533 Educational Psychology/Field Experience
 ^#PTE 4811 Contemporary Issues
 ^#PTE 4828 Student Teaching Elem/PK-3
 ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

** To be taken the same semester

*** 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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses.....	20
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	
HIST 1483 History of the United States to 1877	
Physical Science (four hours in the University Core)	
Life Science (four hours in the University Core)	

Elementary Education 58

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

Core Area..... 15

ELED 4063 Teaching Reading in the Primary Grades

^ELED 4173 Teaching Reading in the Intermediate/Middle School Grades

^ELED 4183 Assessment and Intervention Practices for the Teaching of Reading in Grades K-8

^ELED 4213 Teaching Language Arts in the Elementary/Middle School Grades

^ELED 4483 Children's Literature

Elementary Emphasis..... 18

ART 3302 Visual Arts for Elementary Teachers

	Minimum Required Hours
^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 4463 Social Studies in the Elementary School	
MUED 3122 Music for Elementary Education Teachers	
PHED 3012 Physical Education for Elementary Educ Majors	

Professional Education 28

PTE 3023 Foundations of American Education/Field Exp

PTE 3133 Child Psychology

SPED 4123 Teaching Individuals with Disabilities

IME 3312 Technology for Teachers

^**PTE 4172 Educational Assessment

^**PTE 4533 Educational Psychology/Field Experience

^#PTE 4811 Contemporary Issues

^#PTE 4828 Student Teaching Elem/PK-3

^#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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Family Life Education**
 Major: **Family Life Education - Child Development**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Human Environmental Sciences**
 College: **Education and Professional Studies**
 Major Code: **3040**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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**

Family Life Education - Child Development 66

Human Environmental Sciences 50

Required courses:

- * FMCD 2213 Child Development
- FMCD 2223 Marriage
- FMCD 2313 Sexuality Through the Lifespan
- * FMCD 3012 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
- * FMCD 3723 Infancy and Early Childhood Development/Field Study
- * FMCD 3813 Developmental Assessment and Evaluation
- FMCD 4253 Administration of Professional Services/FLE
- FMCD 4333 Current Issues in Family Diversity
- * FMCD 4413 Contemporary American Families
- FMCD 4513 Family Law and Public Policy
- FMCD 4712 Parent Education
- * 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
- SAS 4273 Substance Abuse and the Family
- SPED 4123 Teaching Individuals with Disabilities
- TESL 4960 Institute (2 hours with instructor permission)

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.
 • 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**

Family Life Education - Gerontology 68

Human Environmental Sciences 33

Required courses:

- * FMCD 2213 Child Development
- * FMCD 2223 Marriage
- FMCD 2313 Sexuality Through the Life Span
- * FMCD 3012 Introduction to Family Life Education
- * FMCD 3423 Aging and Adult Development
- FMCD 4333 Current Issues in Family Diversity
- * FMCD 4413 Contemporary American Families
- * FMCD 4433 Policies & Programs for Older Adults
- * FMCD 4453 Social Gerontology Today
- FMCD 4513 Family Law and Public Policy
- FMCD 4900 Practicum (3 hours)
- * FMCD 4940 Field Study (1 hour)

* Courses to be completed with 3.00 GPA to enroll in the practicum.

Interdisciplinary Coursework 35

Required courses:

- HLTH 2212 First Aid with Cardiopulmonary Resuscitation
- MCOM 2053 Intro to Human Communication **OR**
- MCOM 3413 Conflict and Communication
- SOC 2503 Introduction to Social Work
- HLTH 3403 Leadership and Value Formation
- HLTH 3452 Group Dynamics
- FNRL 3483 Psychology of Grief
- FACS 3633 Problems of Today's Consumer
- NTRN 3633 Life Span Nutrition
- SAS 4303 Substance Abuse in Special Populations
- SOC 4053 Sociology of Aging
- OCTE 4742 Health Issues for Older Adults
- OCTE 4823 Nature and Characteristics of the Adult Learner
- TESL 4960 Institute (2 hours with instructor permission)

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 pages 61-62 of the 2010-2011 catalog.

Program:	Family Life Education	Dept:	Human Environmental Sciences
Major:	Family Life Education - Marriage and Family	College:	Education and Professional Studies
Degree:	Bachelor of Science (B.S.)	Major Code:	3042

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Family Life Education - Marriage and Family..... 68

Human Environmental Sciences..... 40

Required courses:

* FMCD 2213 Child Development

* FMCD 2223 Marriage

FMCD 2313 Sexuality Through the Life Span

* FMCD 3012 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

* FMCD 3723 Infancy and Early Childhood Development/Field Study

FMCD 4333 Current Issues in Family Diversity

* FMCD 4413 Contemporary American Families

FMCD 4513 Family Law and Public Policy

FMCD 4712 Parent Education

FMCD 4900 Practicum (3 hours)

* Courses to be completed with 3.00 GPA to enroll in the practicum.

Interdisciplinary Coursework..... 28

Required courses:

MCOM 2053 Intro to Human Communication **OR**

MCOM 3413 Conflict and Communication

HLTH 2212 First Aid with CPR

SOC 2503 Introduction to Social Work

SOC 3403 The Family

FNRL 3483 Psychology of Grief

FACS 3633 Problems of Today's Consumer

NTRN 3633 Life Span Nutrition

SAS 4343 Prevention and Education in Substance Abuse

SOC 4463 The Abused

TESL 4960 Institute (2 hours with instructor permission)

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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**

Fashion Marketing 66

Human Environmental Sciences 45

Required courses:

- * FMKT 1203 Basic Clothing Construction
- * FMKT 1303 Introduction to Textiles
- * FMKT 2113 Fashion Marketing
- FMKT 2233 Creative Problem Solving
- 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 2223 Survey of Accounting
- MCOM 1113 Fundamentals of Speech
- MGMT 3103 Management and Organizational Behavior
- MRKT 3013 Principles of Marketing
- MRKT 3123 Personal Selling

Guided Electives selected from the following..... 6

- ART 1023 Drawing I
- MGMT 4263 Small Business Management
- MRKT 3413 Principles of Advertising
- MRKT 4453 Retail Management

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
pages 61-62 of the 2010-2011 catalog.**

Program: **General Studies**
 Major: **General Studies**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Occupational and Tech. Education**
 College: **Education and Professional Studies**
 Major Code: **3220**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

General Studies 36

Major

A combination of 36 hours selected from the following areas with no more than 18 hours from any one area.

AREA I BUSINESS

Chosen from College of Business Administration:

Accounting, Business Administration, Business Communication, Economics, Finance, General Business, Information Systems and Operations Management, Legal Studies, Management, Marketing, Military Science.

AREA II EDUCATION

Chosen from College of Education:

Early Childhood Education, Elementary Education, Health, Kinesiology, Instructional Media Education, Occupational Education, Physical Education, Reading, Recreation, Human Environmental Sciences, Education, Professional Teacher Education, Psychology, Safety, Special Education, Speech Language Pathology, Teaching English as a Second Language.

AREA III FINE ARTS

Chosen from:

Art, Dance, Design, Music, Theatre Arts

AREA IV LANGUAGE ARTS

Chosen from:

Communication, Creative Studies, English, Foreign Language, Humanities, Journalism, Mass Communication, Philosophy.

AREA V MATH AND SCIENCE

Chosen from College of Mathematics and Science:

Biology, Chemistry, Computer Science, Engineering, Funeral Service, General Science, Mathematics, Nursing, Physics, Statistics.

**Minimum
Required Hours**

**Minimum
Required Hours**

AREA VI SOCIAL STUDIES

Chosen from:

Criminal Justice, Geography, History, Political Science, Sociology, Substance Abuse Studies.

Free 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
pages 61-62 of the 2010-2011 catalog.**

Program: **Industrial Safety**
 Major: **Industrial Safety**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Occupational and Tech. Education**
 College: **Education and Professional Studies**
 Major Code: **3260**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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	
Industrial Safety.....	64-67	
Required Courses:.....	46-49	
CMSC 1053 Professional Computer Applications and Problem Solving OR		
CMSC 1103 Introduction to Computing Systems		
MATH 1513 College Algebra		
CHEM 1014 Introductory Chemistry and Lab		
SFTY 2343 Safety Education		
SFTY 2503 Basic Measurements for Industrial Safety		
SFTY 3073 Industrial Safety I		
SFTY 3333 Ergonomics		
SFTY 3433 Introduction to OSHA		
SFTY 4123 Industrial Hygiene I		
SFTY 4163 Environmental Safety		
SFTY 4173 Fire Prevent., Protect. and Control		
SFTY 4213 Chem and Toxicology of Hazardous Mat & Waste		
SFTY 4412 Hazard Communication		
SFTY 4433 Occupational Risk Management		
SFTY 4613 Professional Safety Development		
SFTY 4900 Industrial Safety Practicum (1-4 hours)		

	Minimum Required Hours
SFTY 4133 Industrial Hygiene II	
SFTY 4142 Respiratory Protection	
SFTY 4152 Personal Protective Equipment	
SFTY 4243 Industrial Noise Control	
SFTY 4253 Electrical Safety	
SFTY 4463 Industrial Ventilation	

Electives to bring total to 124

Recommended electives:

HLTH 2212	First Aid with CPR
SFTY 2323	Product Safety
SFTY 3102	Legal Aspects of Safety Education
SFTY 3203	Driver and Traffic Safety Education I
SFTY 3523	Health Care Safety
SFTY 3633	International Safety
SFTY 4222	Industrial Fire Systems
SFTY 4303	Driver and Traffic Safety II
SFTY 4323	Underground Storage Tank Management
SFTY 4333	Storm Water Management
SFTY 4423	Applied Ergonomics
SFTY 4443	Asbestos and Lead Management
SFTY 4453	Hazard Waste Operations and Emergency Response
SFTY 4522	Industrial Process Safety
SFTY 4950	Internship in Industrial Safety (1-4 hours)
Other courses as approved by Program Coordinator	

Students in one area of concentration may take any class in the other area of concentration as an elective.

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 pages 61-62 of the 2010-2011 catalog.

Concentration 18

Complete concentration A or B

Concentration A:

Select at least 18 hours from the following:

- SFTY 2413 Hand, Power, and Machine Tool Safety
- SFTY 3343 Construction Safety
- SFTY 3443 Mandatory OSHA Training
- SFTY 4013 Alcohol and Drug Education
- SFTY 4083 Industrial Safety II
- SFTY 4203 Prin., Hist., and Phil. of Safety Education
- SFTY 4232 Life Safety Code
- SFTY 4402 Supervision of Transportation

Concentration B:

Select at least 18 hours from the following:

- SFTY 3112 Physical Aspects of Industrial Safety
- SFTY 3353 Radiation Safety

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)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
Kinesiology - Exercise/Fitness Management 79		
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 Activity 2		
Any two one-hour physical activity courses			
Required Theory 40		
HLTH 3412		Nutrition for Sport and Fitness	
HLTH 3223		Applied Anatomy	
HLTH 3493		Physical Treatment of Athletic Injuries	
KINS 3112		Group Exercise Techniques	
^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 hour)	
^**KINS 4900		Practicum in Kinesiology and Health Studies (1 hour)	
KINS 4950		Internship in Kinesiology and Health Studies (4 hours)	
PHED 3333		Mechanical Principles and Analysis of Movement	
PHED 3503		Physiology of Exercise	
REC 3513		Facility Management	

Required Theory (Supporting Fields) 7

CHEM 1014 Introduction Chemistry and Lab

CHEM 1014L Introduction Chemistry Lab

CMSC 1053 Professional Computer Applications and Problem Solving

Major Electives - Selected from the following courses 6

HLTH 3263 Consumer Health and Mass Media

HLTH 3403 Leadership and Value Formation

HLTH 3452 Group Dynamics

HLTH 4523 Health and Aging

KINS 3503 Pharmacology for the Health/Fitness Professional

KINS 3632 Grant Writing and Fundraising

KINS 4910 Seminar in Kinesiology and Health Studies (1-4 hours)

PHED 1722 Lifeguard Training

PHED 1752 Emergency Water Safety/Water Safety Instructor

PHED 4442 Motor Learning

PHED 4712 Psychology of Sport

REC 4363 Therapeutic Recreation

Electives to bring total to..... 124

Minimum Grade Requirements

- Average in all college course work and course work at UCO. 2.00**
- In courses in the major "C"**

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

* To be taken concurrently

** To be taken concurrently

^ Must be completed to enroll in the internship

Program: **Kinesiology**
 Major: **Kinesiology - Outdoor and Community Recreation**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Kinesiology and Health Studies**
 College: **Education and Professional Studies**
 Major Code: **3122**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
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 Activity 5	
PHED 1402 Fitness Development & Assessment	
PHED 1432 Tech of Teaching Skills & Activities I	
One (1) credit hour of swimming at the appropriate level.	
Required Theory (Additional Recreation courses) 31	
HLTH 3223 Applied Anatomy	
HLTH 3452 Group Dynamics	
HLTH 4523 Health and Aging	
KINS 3632 Grant Writing and Fundraising	
**KINS 4900 Practicum in Kinesiology and Health Studies (2 hours)	
REC 2402 Outdoor Recreation	
REC 2812 Camp Administration and Programming	
REC 3513 Facility Management	
REC 3702 Wilderness First Aid	
REC 3803 Tourism and Recreation	
REC 4363 Therapeutic Recreation	
REC 4950 Internship in Kinesiology and Health Studies (4 hours)	

	Minimum Required Hours
Elective Kinesiology and Health Studies 10	
HLTH 3162 Environmental Health	
HLTH 3263 Consumer Health and Mass Media	
PHED 3333 Mechanical Principles and Analysis of Movement	
HLTH 3403 Leadership and Value Formation	
PHED 3503 Physiology of Exercise	
HLTH 3412 Nutrition for Sport and Fitness	
HLTH 3493 Physical Treatment of Athletic Injuries	
KINS 4910 Seminar in Kinesiology and Health Studies (1-4 hours)	
PHED 1722 Lifeguard Training	
REC 2502 Challenge Course Training	
Electives - Selected from the following courses 6	
ENG 4023 Technical Writing	
FIN 3513 Risk Management for the Firm	
MCOM 2193 Principles of Public Relations	
MGMT 3313 Human Resource Management	
OCTE 4742 Health Issues for Older Adults	
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 pages 61-62 of the 2010-2011 catalog.

** To be taken concurrently

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)

Specific courses within the University Core are listed on pages 89-90.

- 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	Minimum Required Hours
Major Support Courses	11	
Required courses:		
CHEM 1103 General Chemistry I		
CHEM 1112 General Chemistry I Lab		
MATH 1513 College Algebra		
PSY 1103 General Psychology		
Statistics		3
Required Course:		
STAT 3103 Statistical Methods I		
Business		9
Required courses:		
ACCT 2113 Accounting I		
MGMT 3103 Management and Organizational Behavior		
MRKT 3013 Principles of Marketing		

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.)

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 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
- FACS 4853 Methods of Teaching

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 3303 Organic Chemistry I
- CHEM 3403 Biochemistry I
- CHEM 4103 Biochemistry II

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
pages 61-62 of the 2010-2011 catalog.**

Program: **Organizational Leadership**
 Major: **Organizational Leadership**
 Degree: Bachelor of Science (B.S.)

Dept: Occupational and Tech.. Education
 College: Education and Professional Studies
 Major Code: 3230

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Organizational Leadership 45

Required courses 27

- 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

Elective course 3

- ORGL 4993 Professional Internship

Area of Focus: Supervision 15-18

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 15-18 hours shall be selected from the following courses:

- OCTE 4122 Foundations of Training and Development
- OCTE 4153 Organizational Dynamics
- OCTE 4322 Motivating the Adult Learner
- OCTE 4332 Human Relations in Training and Development
- OCTE 4342 Consulting Skills in Training and Development
- OCTE 4362 Legal Issues in Employment
- OCTE 4462 Contemporary Issues in Supervision
- OCTE 4562 Creative Supervision Skills
- OCTE 4572 Facilitation Techniques
- OCTE 4823 Nature and Characteristics of the Adult Learner
- OCTE 4930 Individual Study

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

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)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
Support Courses..... 9		^PHED 4303	Methods of Teaching Physical Education in Secondary Schools
MCOM 2023		Communication for Teachers	
ENG 1113		English Composition	
ENG 1213		English Composition and Research	
Physical Education/Health 45		^**PTE 4172	Educational Assessment
Required Theory 35		^**PTE 4533	Educational Psychology/Field Experience
HLTH 1112		Healthy Life Skills	
HLTH 2212		First Aid with Cardiopulmonary Resuscitation	
**HLTH 3103		Health Concepts for Child and Adolescents K-12	
HLTH 3223		Applied Anatomy	
HLTH 3493		Physical Treatment of Athletic Injuries	
**HLTH 4900		Practicum in Health (1 hour)	
PHED 2012		Introduction to Physical Education/Health	
PHED 3023		Adapted Physical Education	
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 4442		Motor Learning	
Required Activity 10		^#PTE 4811	Contemporary Issues
PHED 1402		Fitness Development and Assessment	
PHED 1432		Techniques of Teaching Skills & Activities I	
PHED 1462		Techniques of Teaching Skills & Activities II	
PHED 1492		Techniques of Teaching Skills & Activities III	
PHED 2791		Dance for Physical Education/Health Majors	
		Also one (1) swimming course at the appropriate skill level.	
Professional Education 31		^#PTE 4848	Student Teaching K-12
PTE 3023		Foundations of American Education/Field Exp	
PTE 3163		Developmental Psychology	
SPED 4123		Teaching Individuals with Disabilities	
IME 3312		Technology for Teachers	
		^#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 2.75	
		2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"	
		3. Proficiency in foreign language Novice 4 level	
		For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.	

Professional Education 31

PTE 3023 Foundations of American Education/Field Exp

PTE 3163 Developmental Psychology

SPED 4123 Teaching Individuals with Disabilities

IME 3312 Technology for Teachers

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)

Specific courses within the University Core are listed on pages 89-90.

• 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**

Psychology 51

Required Core Courses 42

- PSY 1103 General Psychology
- PSY 1123 Careers in Psychology
- PSY 2103 Social Psychology
- PSY 2523 Writing for 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 4213 Motivation and Emotion
- PSY 4753 Abnormal Psychology
- PSY 4763 Theories of Learning and Cognition
- 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 4393 Cognitive Psychology
- PSY 4553 Comparative Psychology
- PSY 4773 Principles of Clinical Psychology
- PSY 4900 Practicum in Psychology
- Any other PSY course

Electives to bring total to 124

Recommended elective courses:

- BIO 1404 Animal Biology and Lab
- BIO 2102 Terminology of Science
- BIO 2203 Cell Biology
- BIO 2233 Heredity and Evolution
- BIO 2604 Human Physiology and Lab
- BIO 3304 Genetics and Lab
- BIO 3544 Ecology and Lab
- BIO 4213 Animal Behavior **OR**
- BIO 4254 Animal Behavior and Lab

- BIO 4264 Mammalogy and Lab
- CMSC 1103 Introduction to Computing Systems
- MATH 1513 College Algebra
- PHIL 1103 Logic and Critical Thinking
- PHIL 1113 Introduction to Philosophy
- PHIL 3103 Ethical Theory
- PHIL 3163 Contemporary Philosophy
- PHIL 3213 Inductive Reasoning
- PHIL 4163 Philosophy of Science
- PHIL 4503 Symbolic Logic
- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 2303 Social Psychology
- SOC 2413 Cultural Anthropology
- SOC 3103 Juvenile Delinquency
- SOC 3203 Minorities in American Society
- SOC 3403 The Family
- SOC 4043 Sociological Statistics
- SOC 4513 Contemporary Social Movements
- SOC 4773 Sociological Research
- SPED 4123 Teaching Individuals with Disabilities
- SPED 4303 Diagnosis and Guidance of Exceptional Children
- PTE 3133 Child Psychology
- PTE 3153 Adolescent Psychology

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
 pages 61-62 of the 2010-2011 catalog.**

Program:	Special Education	Dept:	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)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
Support Courses..... 13		SPED 4653	Procedures for Mild-Moderate Learning Disabilities
MCOM 2023		SPED 4763	Procedures for Mild-Moderate Mental Retardation
ENG 1113		SPED 4743	Procedures for Mild-Moderate Emotional/ Behavioral Disorders
ENG 1213		SPED 4842	Curr Development for Mild-Moderate Disabilities
HIST 1483		SPED 4900	Practicum in Special Education (1 hour) (Mild-Moderate Disability)
Physical Science (four hours in the University Core)		SPED 4900	Practicum in Special Education (1 hour) (Emotional/Behavioral Disability)
Life Science (four hours in the University Core)			

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
- SPED 4582 Secondary Special Education

Mild-Moderate Disabilities 15

- SPED 4242 Foundations of Mild-Moderate Disabilities

Professional Education 28

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psychology/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Student Teaching K-12
- ^#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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Special Education** Dept: 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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 20	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	
HIST 1483 History of the United States to 1877	
Physical Science (four hours in the University Core)	
Life Science (four hours in the University Core)	

	Minimum Required Hours
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) (Severe-Profound/ Multiple Disability)	
SPED 4900 Practicum in Special Education (1 hour) (Emotional/Behavioral Disability)	

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

Professional Education..... 28

- PTE 3023 Foundations of American Education/Field Exp.
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psychology/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Student Teaching K-12
- ^#PTE 4853 Classroom Management and Instructon

^ Admission to Teacher Education required

** To be taken the same semester

#To be taken the same semester

Electives to bring total to 124

- CONTINUED ON NEXT PAGE -

Program:	Special Education - continued	Dept:	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

- CONTINUED FROM PREVIOUS PAGE -

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education,
and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

**For other regulations pertaining to graduation, see
pages 61-62 of the 2010-2011 catalog.**

Program: **Speech/Language Pathology**
 Major: **Speech/Language Pathology**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Special Services**
 College: **Education and Professional Studies**
 Major Code: **3340**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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**

Speech/Language Pathology 75

Required Courses 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 Articulation Disorders
- SLP 4693 Voice Disorders
- SLP 4703 Aural Rehabilitation
- SLP 4713 Clinical Methods in Speech-Language Pathology
- SLP 4724 Speech and Hearing Mechanism
- SLP 4732 Computer Applications and Technical Writing
Speech-Language Pathology
- SLP 4742 Cultural Issues in Speech-Language Pathology
- SLP 4900 Practicum in Speech-Language Pathology (1 hour)
- SLP 4900 Practicum in Speech-Language Pathology (1 hour)

Related Electives as approved by department 21

(Complete list available through Advisement Center or Program Coordinator)

Professional Education 12

- SPED 4123 Teaching Individuals with Disabilities
- PTE 3023 Foundations of American Education/Field Exp
- PTE 3163 Developmental Psychology
- ^PTE 4533 Educational Psychology/Field Experience

^ Admission to Teacher Education required

Electives to bring total to 124

Minimum Grade Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major) "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

College of Fine Arts and Design

Academic Degree Programs



Program: **Art**
 Major: **Art - Art History**
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: **Art**
 College: **Fine Arts and Design**
 Major Code: **1005**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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**

Art - Art History 71

Required Core Courses 24

- ART 1023 Drawing I
- ART 1043 Life Drawing
- ART 1063 2-D Fundamentals
- ART 1073 3-D Fundamentals
- ART 1083 Color
- ART 1153 Survey of Art History I
- ART 2403 Survey of Art History II
- ART 2523 Research Techniques

Art History Courses 44

- ART 4053 Native American Art
- ART 4223 West African Art
- ART 4233 Central African Art
- ART 4333 Mesoamerican Art
- ART 4343 Multicultural Art
- ART 4363 Art by Women
- ART 4373 History & Criticism of Art
- ART 4383 Methods of Teaching Art History
- ART 4522 Art Presentation and Display
- ART 4573 Celtic Art
- ART 4703 Survey of Art History III

Six (6) hours Foreign Language
 Six (6) hours of 3/4000 humanities

Major Elective Courses 3

Select from the following:

- ART 4910 Seminar in Art
- ART 4920 Directed Reading in Art *
- ART 4930 Individual Study in Art *
- ART 4970 Study Tour in Art (up to six hours)
- Any 3/4000 level Art course

* should focus on aspects of Art History

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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 - Studio Art 75

Required Core Courses 24

ART 1023 Drawing I

ART 1043 Life Drawing

ART 1063 2-D Fundamentals

ART 1073 3-D Fundamentals

ART 1083 Color

ART 1153 Survey of Art History I

ART 2403 Survey of Art History II

ART 2903 Sophomore Portfolio

Students must successfully complete the Sophomore Portfolio class with at least a "C" and achieve an average of at least 2.75 in major courses before enrollment in any upper division courses.

Studio Art Courses 27

Select 27 hours from the following six areas; with at least 12 hours from any one area.

Area 1: (courses in ceramics)

ART 2703 Ceramics I

ART 2803 Ceramics II

ART 3173 Ceramics III

ART 4263 Ceramics IV

ART 4643 Figurative Clay Sculpture

ART 3990 Advanced Topics

ART 4600 Studio Art

Area 2: (courses in jewelry and metalsmithing)

ART 3053 Sculpture I

ART 3463 Jewelry & Metalsmithing I

ART 4023 Enameling

ART 4403 Jewelry & Metalsmithing II

ART 4563 Jewelry & Metalsmithing III

ART 3990 Advanced Topics

ART 4600 Studio Art

Area 3: (courses in sculpture)

ART 3053 Sculpture I

ART 3413 Mixed Media I

ART 3463 Jewelry & Metalsmithing I

ART 4203 Sculpture II

Minimum
Required Hours

Minimum
Required Hours

ART 4413 Mixed Media II
 ART 4643 Figurative Clay Sculpture
 ART 3990 Advanced Topics
 ART 4600 Studio Art

Area 4: (courses in painting)

ART 2233 Painting I
 ART 3413 Mixed Media I
 ART 3503 Drawing IV
 ART 3603 Painting II
 ART 3623 Figurative Painting
 ART 4063 Mural Painting I
 ART 4073 Mural Painting II
 ART 4153 Advanced Painting
 ART 3990 Advanced Topics
 ART 4600 Studio Art

Area 5: (courses in photography)

ART 1223 Black and White Photography
 ART 2223 Black and White Photography II
 ART 3163 Photo History
 ART 4083 Photographic Processing Using Non-silver
 ART 4133 Digital Printmaking
 ART 4633 Advanced Silver Printing & Developing
 ART 3990 Advanced Topics
 ART 4600 Studio Art

Area 6: (courses in drawing)

ART 2233 Painting I
 ART 3413 Mixed Media I
 ART 3503 Drawing IV
 ART 3603 Painting II
 ART 4103 Etching
 ART 4273 Relief Printmaking
 ART 4284 Drawing V
 ART 3990 Advanced Topics
 ART 4600 Studio 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 -

Related area..... 9

- ART 2103 Drawing III
- ART 4703 Survey of Art History III
- ART 4833 Exhibit Presentation

Art History Electives..... 3

- ART 3163 Photo Arts History
- ART 4053 Native American Art
- ART 4223 West African Art
- ART 4233 Central African Art
- ART 4333 Mesoamerican Art
- ART 4343 Multicultural Art
- ART 4363 Art by Women

Art Major Elective 12

Any 3/4000 level Art course

A maximum of four (4) hours in ART 4600 Studio Art may be taken in each subject area.

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 pages 61-62 of the 2010-2011 catalog.

Program: **Art Education**

Dept: Art

Major: **Art Education**

College: Fine Arts and Design

Degree: Bachelor of Arts in Education (B.A.Ed.)

Major Code: 1020

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses	9
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Art Education.....**50****Required Core Courses** 23

ART 1023	Drawing I
ART 1043	Life Drawing
ART 1063	2-D Fundamentals
ART 1073	3-D Fundamentals
ART 1083	Color
ART 1153	Survey of Art History I
ART 2012	Introduction to Art Education
ART 2403	Survey of Art History II

Required Art Education Courses..... 27

ART 2233	Painting I
ART 2703	Ceramics I
ART 2803	Ceramics II OR
ART 3603	Painting II
ART 3053	Sculpture I
ART 3463	Jewelry and Metalsmithing I
ART 4123	Serigraphy OR
ART 4133	Digital Printmaking
ART 4343	Multicultural Art
ART 4703	Survey of Art History III
^ART 4853	Secondary Art Education Methods

Professional Education**31**

PTE 3023	Foundations of American Education/Field Experience
PTE 3163	Developmental Psychology
SPED 4123	Teaching Individuals with Disabilities
IME 3312	Technology for Teachers
^ART 4843	Elementary Art Education Methods
^**PTE 4172	Educational Assessment
^**PTE 4533	Educational Psych/Field Experience

	Minimum Required Hours
^#PTE 4811 Contemporary Issues	
^#PTE 4848 Student Teaching K-12	
^#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**

Recommended Electives:

ART 1223	Black and White Photography
ART 2103	Drawing III
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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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 Survey of Art History I
 - BIO 1114 General Biology
 - FMCD 2213 Child Development
 - HLTH 1112 Healthy Life Skills
 - LEAD 2213 Theories of Leadership
 - MUS 2123 Music Appreciation
 - MUS 2623 Music History Survey I
 - NTRN 1483 Personal Nutrition
 - PHY 1114 General Physics I and Lab
 - PSY 1103 General Psychology
 - SFTY 2343 Safety Education

Major Requirements

**Minimum
 Required Hours**

University Core 18

See above

Contemporary Music Performance.....50

Semester 1

- ACM 1112 Repertoire Development I
- ACM 1121 Live Performance I
- ACM 1132 Music Culture
- ACM 1142 Music Fundamentals
- ACM 1152 Aural Skills I
- ACM 1332 Technical Development I
- ACM 1811 Repertoire Development Lab I

Semester 2

- ACM 1162 Repertoire Development II
- ACM 1212 Music Industry Studies
- ACM 1322 Stylistic Awareness
- ACM 1351 Live Performance II
- ACM 1552 Aural Skills II
- ACM 1632 Technical Development II
- ACM 1861 Repertoire Development Lab II

Semester 3

- ACM 2012 Songwriting I
- ACM 2112 Technical Development III
- ACM 2122 Repertoire Development III
- ACM 2132 Session Styles I
- ACM 2141 Live Performance III
- ACM 2312 Sight Reading/Aural Perception I
- ACM 2332 Performance Production
- ACM 2821 Repertoire Development Lab III

Semester 4

- ACM 2162 Business Studies I
- ACM 2322 Repertoire Development IV
- ACM 2341 Live Performance IV
- ACM 2512 Songwriting II
- ACM 2522 Sight Reading/Aural Perception II
- ACM 2532 Session Styles II
- ACM 2612 Technical Development IV
- ACM 2831 Repertoire Development Lab IV

Total.....68

Minimum Grade Requirements

1. **Average in all college course work and 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.**

Admission Requirements

Admission to this program is selective. To be eligible for admission, 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 (ACT) program or a similar battery of tests;
- 3) completed an interview, audition and/or submitted a demo recording;
- 4) been selected for admission by the selection committee.

Those who are not U.S. citizens or resident aliens should contact the Office of International Services for specific admission information.

* Non-Native English speakers must meet OSRHE minimum English proficiency requirements.

Other Information

1. Two classes will be selected each academic year. Students must contact the Academy of Contemporary Music for application deadlines and audition and/or interview schedules.
2. Students must enroll in the entire group of courses each semester.
3. All university requirements must be completed prior to graduation.

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 Survey of Art History I
 BIO 1114 General Biology
 FMCD 2213 Child Development
 HLTH 1112 Healthy Life Skills
 LEAD 2213 Theories of Leadership
 MUS 2123 Music Appreciation
 MUS 2623 Music History Survey I
 NTRN 1483 Personal Nutrition
 PHY 1114 General Physics I and Lab
 PSY 1103 General Psychology
 SFTY 2343 Safety Education

Major Requirements

Minimum
 Required Hours

University Core 18

See Above

Contemporary Music Production 48

Fall Year 1

ACM 1132 Music Culture
 ACM 1212 Music Industry Studies
 ACM 1222 Beginning Keyboard Skills
 ACM 1232 Composing with Technology
 ACM 1252 The Production Process
 ACM 1442 Production Techniques

Spring Year 1

ACM 1243 Sequencing and Software Technology
 ACM 1322 Stylistic Awareness
 ACM 1422 The Freelance World
 ACM 1432 Specialized Production Project
 ACM 1453 Digital Audio Techniques

Fall Year 2

ACM 1412 Music and Media
 ACM 2032 Composition and Arranging I
 ACM 2162 Business Studies I
 ACM 2212 Studio Recording I
 ACM 2222 Music IT I
 ACM 2242 Theory and Applied Harmony

Spring Year 2

ACM 2232 Post Production in Technology
 ACM 2352 Business Studies II
 ACM 2422 Cultural Studies
 ACM 2432 Composition and Arranging II
 ACM 2442 Music IT II
 ACM 2712 Studio Recording II

Total 66

Minimum Grade Requirements

1. Average in all college course work and 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.

Admission Requirements

Admission to this program is selective. To be eligible for admission, 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 (ACT) program or a similar battery of tests;
- 3) completed an interview, audition and/or submitted a demo recording;
- 4) been selected for admission by the selection committee.

Those who are not U.S. citizens or resident aliens should contact the Office of International Services for specific admission information.

* Non-Native English speakers must meet OSRHE minimum English proficiency requirements.

Other Information

1. Two classes will be selected each academic year. Students must contact the Academy of Contemporary Music for application deadlines and audition and/or interview schedules.
2. Students must enroll in the entire group of courses each semester.
3. All university requirements must be completed prior to graduation.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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 77
Required Courses..... 69

1. Performance 36

Students must complete 12 hours in each selected area (Modern, Ballet and Jazz Technique and Theory) and must obtain instructor permission for each level. Levels can be repeated and count towards the 12 hours. Students must be proficient and complete Level III and 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 3102 Rhythm Analysis and Dance Forms
- DANC 3432 Dance Composition
- DANC 4433 Dance Composition II

3. Movement Analysis 5

- DANC 2332 Movement Analysis in Dance
- HLTH 3223 Applied Anatomy

4. Teaching Methods..... 4

- DANC 3572 Materials and Methods in Dance
- DANC 4900 Practicum in Dance (2 hours required)

5. Other 15

- DANC 3990 Advanced Topics (4 hours required) *
- DANC 4343 History and Philosophy of Dance
- DANC 4893 Senior Project in Dance
- THRT 1311 Production and Performance (2 hours required)
- THRT 2133 Stage Lighting

**Minimum
Required Hours**

* Each of the four hours required must be in different areas and include Portfolio Development.

Electives 8

Select from the following:

- DANC 1621 Beginning Tap Dance
- DANC 2111 Performing Dance (by audition) (4 hours max.)
- DANC 2431 Beginning Ballet
- DANC 2441 Beginning Jazz and Theatre Dance
- DANC 2451 Beginning Modern Dance
- DANC 2481 Intermediate Ballet
- DANC 2491 Intermediate Jazz and Theatre Dance
- DANC 2501 Intermediate Modern Dance
- DANC 2621 Intermediate Tap Dancing
- DANC 2642 Intermediate Dance II
- DANC 2731 Advanced Tap Dancing
- DANC 3000 Workshop in Dance (1-6 hours)
- DANC 4111 Performing Dance (by audition) (4 hours max.)
- DANC 4900 Practicum in Dance (1-2 hours)
- DANC 4960 Institute in Dance (1-3 hours)
- HLTH 3412 Nutrition for Sports and Fitness
- MPER 1000-4000 Applied Voice (max. of 4 hours applied)
- MUS 3000 Workshop: Music Theatre Performance (1-4 hours)
- THRT 1513 Beginning Acting
- THRT 2123 Stage Makeup
- THRT 2153 Stagecraft
- THRT 2173 Stage Costume

Electives to bring total to..... 124

Program: **Dance** - continued

Dept: Dance

Major: **Dance**

College: Fine Arts and Design

Degree: Bachelor of Fine Arts (B.F.A.)

Major Code: 1101

- CONTINUED FROM PREVIOUS PAGE -

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

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses..... 9
 MCOM 2023 Communication for Teachers
 ENG 1113 English Composition
 ENG 1213 English Composition and Research

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 3102 Rhythm Analysis & Dance Forms
- DANC 3432 Dance Composition
- DANC 4343 History and Philosophy of Dance
- DANC 4433 Dance Composition II
- DANC 3990 Special Topics in Dance (4 hours required) *
- HLTH 3223 Applied Anatomy
- THRT 1311 Production and Performance (2 hours required)
- THRT 2133 Stage Lighting

* Each of the four hours required must be in different areas and include Portfolio Development.

Professional Education 30

- PTE 3023 Foundations of American Education/Field Experience
- PTE 3163 Developmental Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^DANC 3572 Materials and Methods in Dance
- ^^PTE 4172 Educational Assessment
- ^^PTE 4533 Educational Psych/Field Experience

**Minimum
Required Hours**

**Minimum
Required Hours**

- ^#PTE 4811 Contemporary Issues
- ^#PTE 4848 Student Teaching K-12
- ^#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

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)
- THRT 1513 Beginning Acting
- THRT 2173 Stage Costume
- PHED 4442 Motor Learning

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Design**
 Major: **Design - Graphic Design**
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: **Design**
 College: **Fine Arts and Design**
 Major Code: **1040**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

- 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..... 68

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 32

DES 1213 History of Graphic Design I

DES 2122 Graphic Design I

DES 2152 Illustration I

DES 2213 History of Graphic Design II

DES 3133 Computer Graphics I

DES 3152 Typography

DES 3213 History of Graphic Design III

* DES 3293 Graphic Design II

DES 4513 Computer Graphics II

DES 4523 Computer Graphics III

DES 4652 PrePress Production

DES 4862 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 24

Select at least 24 hours from the following:

DES 3263 Cartooning

DES 3343 Package Design

DES 3443 Advertising Design

DES 3613 Airbrush Illustration

DES 3853 Illustration II

DES 4413 Design in Global Cultures

DES 4423 Graphic Design III

DES 4533 Multimedia Design I

DES 4543 Multimedia Design II

DES 4613 Vector Animation

DES 4623 Design for the Web

Minimum Required Hours

DES 4763 ClockTower Studio

Any 3000/4000 Design Course

Electives to bring total to..... 124

Recommended courses:

DES 3323 Rendering Techniques

MCOM 2063 Introduction to Brand Communication/Advertising

MCOM 3283 Print, Web, Copy and Design

MCOM 4883 Brand Communications Campaigns

ART 2103 Drawing III

ART 2233 Painting I

ART 3603 Painting II

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 pages 61-62 of the 2010-2011 catalog.

Program: **Design**
 Major: **Design - Interior Design**
 Degree: **Bachelor of Fine Arts (B.F.A.)**

Dept: **Design**
 College: **Fine Arts and Design**
 Major Code: **1041**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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.....80-81
Minimum Required Hours

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 4-5

- DES 2122 Graphic Design I **OR**
- DES 2102 Graphic Design for Non-Majors
- DES 2152 Illustration I **OR**
- DES 3133 Computer Graphics I **OR**
- DES 3152 Typography **OR**
- DES 3213 History of Graphic Design III **OR**
- DES 3853 Illustration II **OR**
- DES 4513 Computer Graphics II

Required Interior Design Courses..... 52

- DES 1113 Interior Design I
- DES 2133 Universal Design
- DES 2143 Commercial Design I
- DES 2513 History of Interior Design I
- DES 3143 History of Interior Design II
- DES 3163 Computer Drafting I
- DES 3223 Materials for Interiors
- DES 3233 Residential Design
- * DES 3323 Rendering Techniques
- DES 3563 Custom Furniture
- DES 4143 History of Interior Design III
- DES 4213 Systems Furniture
- DES 4343 Lighting for Interior Design
- DES 4443 History of Interior Design IV
- DES 4453 Estimating for Interior Design
- DES 4493 Commercial Design II
- DES 4873 Interior Design Practice
- DES 4950 Internship (1 hour)

* To enroll in DES 3323 Rendering Techniques and continue in the Interior Design program, students must pass a progress review with the Design faculty.

Design Electives..... 12
Minimum Required Hours

Select from the following or any other DES course:

- ART 1223 Black and White Photography
- ART 4053 Native American Art
- ART 4223 West African Art
- ART 4233 Central African Art
- ART 4333 Mesoamerican Art
- ART 4343 Multicultural Art
- ART 4363 Art by Women
- ART 4373 History and Criticism of Art
- ART 4703 Survey of Art History III
- BADM 3103 Business Ethics
- BCOM 3143 Business Communication
- BCOM 4113 Interpersonal Communication
- DES 3243 Computer Drafting II
- DES 3523 Design Technology I
- DES 4413 Design in Global Cultures
- DES 4783 Charles Evans Studio
- ENG 4023 Technical Writing
- FMKT 3233 Decorative Textiles
- FMKT 4343 Image Building for Job Success
- FMKT 4321 Dress for the Professional
- HIST 3113 Historical Research
- IB 3323 International Business Communication
- LEAD 2523 Be a Leader: Act the Part
- MCOM 2043 Listening
- MCOM 2053 Introduction to Human Communication
- MCOM 2123 Magazine Industry
- MCOM 3083 Intercultural Communication
- MGMT 3103 Management and Organizational Behavior
- MGMT 4033 Starting Your Own Business
- MGMT 4263 Small Business Management
- MRKT 3013 Principles of Marketing
- MRKT 3123 Personal Selling
- MRKT 4453 Retail Management

Program: **Design** - continued
 Major: **Design - Interior Design**
 Degree: Bachelor of Fine Arts (B.F.A.)

Dept: Design
 College: Fine Arts and Design
 Major Code: 1041

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

PHIL	3123	Aesthetics
SFTY	3333	Ergonomics
SFTY	4232	Life Safety Code
THRT	2133	Stage Lighting
THRT	2153	Stagecraft
THRT	3133	Set Design

Electives to bring total to124

Other Requirements for the B.F.A. Degree

Portfolio review required for continuation in Interior Design during the spring semester of the first 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 pages 61-62 of the 2010-2011 catalog.

Program: **Music**
 Major: **Music - Music Theatre**
 Degree: **Bachelor of Music (B.M.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1060**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

- 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 - Music Theatre 86

Required Music Courses 35

- MUS 1120 Recital Attendance (must be taken six times)
- MUS 1143 Music Theory I
- MUS 1151 Aural Skills I
- MUS 1183 Music Theory II
- MUS 1161 Aural Skills II
- MUS 2010 Applied Qualifying Exam
- MUS 2210 Piano Proficiency
- MUS 2473 History of Music Theatre
- MUS 2673 Music History for Music Theatre
- MUS 3413 Music Theatre Scene Study I
- MUS 3423 Music Theatre Scene Study II
- MUS 3552 Vocal Sight Singing
- MUS 3612 Music Theatre Interview and Aud. I
- MUS 3622 Music Theatre Interview and Aud. II
- MUS 4213 Music Theatre Directing I
- MUS 4223 Music Theatre Directing II
- MUS 4523 Acting for Music Theatre I

Required Music Theatre Courses 23

- DANC 1621 Beginning Tap Dancing
- DANC 2431 Beginning Ballet
- DANC 2441 Beginning Jazz and Theatre Dance
- DANC 2451 Beginning Modern Dance
- DANC 2481 Intermediate Ballet
- DANC 2491 Intermediate Jazz and Theatre Dance
- DANC 2621 Intermediate Tap Dancing
- THRT 1311 Production/Performance (must be taken four times)
- THRT 1513 Beginning Acting
- THRT 2123 Stage Make-up
- THRT 2153 Stagecraft
- THRT 2613 Intermediate Acting

^ Applied Voice..... 16

^ Piano 4

Major Ensemble 8
 (University Choir, Band, Orchestra, Music Theatre Performance, Opera Performance, Chorale, Cantilena, Cantare)

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

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.

All full time music majors to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study, and must pass Piano Proficiency Tests No. 1, 2, 3, & 4(MUS 2210) at the conclusion of the sophomore year. If proficiency is not passed after four hours of piano, students must enroll in any of the four Class Piano courses every semester until all four Piano Proficiency Tests are passed. 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).

Each student must pass the Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If the exam is not passed, the student must retake sophomore level applied lessons (MPER 2000) until the exam is passed.

Student 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 and senior level recitals.

Program: **Music** - continued
Major: **Music - Music Theatre**
Degree: Bachelor of Music (B.M.)

School: Music
College: Fine Arts and Design
Major Code: 1060

- CONTINUED FROM PREVIOUS PAGE -

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 pages 61-62 of the 2010-2011 catalog.

Program: **Music**
 Major: **Music - Piano**
 Degree: **Bachelor of Music (B.M.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1061**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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
Music - Piano	73
Required Courses	46
MUS 1120 Recital Attendance (must be taken six times)	
MUS 1143 Music Theory I	
MUS 1151 Aural Skills I	
MUS 1183 Music Theory II	
MUS 1161 Aural Skills II	
MUS 2223 Music Theory III	
MUS 2010 Applied Qualifying Exam	
MUS 2210 Piano Proficiency	
MUS 2151 Aural Skills III	
MUS 2593 Music Theory IV	
MUS 2161 Aural Skills IV	
MUS 2623 Music History Survey I	
MUS 2663 Music History Survey II	
MPER 2971 Keyboard Functional Skills	
MPER 3070 Piano Accompaniment (3 credit hours required)	
MUS 3102 Principles of Conducting	
MUS 3232 Structural Analysis	
MUS 3273 Music History Survey III	
MUS 3453 Piano Literature I	
MUS 3473 Piano Literature II	
MUS 3771 Piano Pedagogy Internship I	
MUS 3971 Piano Pedagogy Internship II	
MUS 4362 Music Composition	
MUS 4883 Survey in Piano Pedagogy	
^ Applied Piano	18
Major Ensemble	2
(University Choir, Band, Orchestra, Music Theatre Performance, Opera Performance, Chorale, Cantilena, Cantare)	
Recital	3
MPER 3811 Junior Recital	
(Must be concurrently enrolled in 2 hours of MPER 3020)	
MPER 4812 Senior Recital	
(Must be concurrently enrolled in 2 hours of MPER 4000)	
Music Electives	4
MUS 4910 Seminar in Music (1-4 hours)	

Electives to bring total to..... 124

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.

All students who want to major in piano must pass an entrance piano audition prior to admission to the program. (For more information on Piano Audition, consult the Piano Division Head.) Piano majors are required to play at an advanced level, as determined at the entrance audition, and complete Piano Proficiency Requirements for Piano majors.

All full time music majors to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must pass Piano Proficiency (MUS 2210) at the conclusion of the sophomore year.

Each student must pass the Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If exam is not passed, students must retake sophomore level applied lessons (MPER 2000) until exam is passed.

Piano majors are required to enroll in Piano Accompaniment (MPER 3070) for one (1) credit hour each semester until the required three (3) are completed. Piano majors can elect to enroll in Piano Ensemble (MPER 2781) for one semester (one credit hour total) to fulfill a part of the Major Ensemble degree requirement.

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.

- CONTINUED ON NEXT PAGE -

Program: **Music** - continued
Major: **Music - Piano**
Degree: Bachelor of Music (B.M.)

School: Music
College: Fine Arts and Design
Major Code: 1061

- CONTINUED FROM PREVIOUS PAGE -

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 pages 61-62 of the 2010-2011 catalog.

Program: **Music**
 Major: **Music - Piano Performance and Pedagogy**
 Degree: **Bachelor of Music (B.M.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1066**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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 - Piano Performance and Pedagogy 80

Required Courses..... 54

- MUS 1120 Recital Attendance (must be taken six times)
- MUS 1143 Music Theory I
- MUS 1151 Aural Skills I
- MUS 1183 Music Theory II
- MUS 1161 Aural Skills II
- MUS 2010 Applied Qualifying Exam
- MUS 2210 Piano Proficiency
- MUS 2223 Music Theory III
- MUS 2151 Aural Skills III
- MUS 2593 Music Theory IV
- MUS 2161 Aural Skills IV
- MUS 2623 Music History Survey I
- MUS 2663 Music History Survey II
- MPER 2971 Keyboard Functional Skills
- MPER 3070 Piano Accompaniment (3 credit hours required)
- MUS 3102 Principles of Conducting
- MUS 3232 Structural Analysis
- MUS 3273 Music History Survey III
- MUS 3453 Piano Literature I
- MUS 3473 Piano Literature II
- MUS 3771 Piano Pedagogy Internship I
- MUS 3782 Piano Pedagogy I
- MUS 3971 Piano Pedagogy Internship II
- MUS 3982 Piano Pedagogy II
- MUS 4362 Music Composition
- MUS 4771 Piano Pedagogy Internship III
- MUS 4782 Piano Pedagogy III
- MUS 4821 Piano Pedagogy Internship IV
- MUS 4833 Piano Pedagogy IV

^ Applied Piano 17

Major Ensemble 2

(University Choir, Band, Orchestra, Music Theatre Performance, Opera Performance, Chorale, Cantilena, Cantare)

Minimum Required Hours

Recital..... 3

MPER 3811 Junior Recital
(Must be concurrently enrolled in 2 hours of MPER 3020)

MPER 4812 Senior Recital
(Must be concurrently enrolled in 2 hours of MPER 4000)

Music Electives 4

MUS 4910 Seminar in Music (1-4 hours)

Electives to bring total to..... 124

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.

All students who want to major in piano must pass an entrance piano audition prior to admission to the program. (For more information on Piano Audition, consult the Piano Division Head.) Piano majors are required to play at an advanced level, as determined at the entrance audition, and complete Piano Proficiency Requirements for Piano majors.

All full time music majors to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must pass Piano Proficiency (MUS 2210) at the conclusion of the sophomore year.

Each student must pass Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If exam is not passed, students must retake sophomore level applied lessons (MPER 2000) until exam is passed.

Program:	Music - continued	School:	Music
Major:	Music - Piano Performance and Pedagogy	College:	Fine Arts and Design
Degree:	Bachelor of Music (B.M.)	Major Code:	1066

- CONTINUED FROM PREVIOUS PAGE -

Piano majors are required to enroll in Piano Accompaniment (MPER 3070) for one (1) credit hour each semester until the required three (3) are completed. Piano majors can elect to enroll in Piano Ensemble (MPER 2781) for one semester (one credit hour total) to fulfill a part of the Major Ensemble degree requirement.

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 pages 61-62 of the 2010-2011 catalog.

Program: **Music**
 Major: **Music - Vocal**
 Degree: **Bachelor of Music (B.M.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1062**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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**

Music - Vocal 85

Required Courses..... 39

- MUS 1120 Recital Attendance (must be taken six times)
- MUS 1143 Music Theory I
- MUS 1151 Aural Skills I
- MUS 1183 Music Theory II
- MUS 1161 Aural Skills II
- MUS 2010 Applied Qualifying Exam
- MUS 2210 Piano Proficiency
- MUS 2223 Music Theory III
- MUS 2151 Aural Skills III
- MUS 2593 Music Theory IV
- MUS 2161 Aural Skills IV
- MUS 2813 Italian Singing Diction
- MUS 3102 Principles of Conducting
- MUS 3232 Structural Analysis
- MUS 3433 Music History Survey I
- MUS 3443 Music History Survey II
- MUS 3532 Voice Pedagogy
- MUS 4362 Music Composition
- MUS 4413 German Singing Diction
- MUS 4423 French Singing Diction

^ Applied Voice..... 16

^ Piano 4

Major Ensemble 8

(University Choir, Band, Orchestra, Music Theatre Performance, Opera Performance, Chorale, Cantilena, Cantare)

Recital..... 3

- MPER 3811 Junior Recital
(Concurrent enrollment in 2 hours of MPER 3020 required)
- MPER 4812 Senior Recital
(Concurrent enrollment in 2 hours of MPER 4000 required)

Music Elective..... 3

**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

Electives to bring total to..... 124

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.

All full time music majors to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study and pass Piano Proficiency Tests No. 1, 2, 3, & 4 (MUS 2210) by the conclusion of the sophomore year. If proficiency is not passed after four hours of Class Piano, students must enroll in any of the four Class Piano courses every semester until all four Piano Proficiency Tests are passed. 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).

Each student must pass the Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If exam is not passed, students must retake sophomore level applied lessons (MPER 2000) until exam is passed.

Program: **Music** - continued

School: Music

Major: **Music - Vocal**

College: Fine Arts and Design

Degree: Bachelor of Music (B.M.)

Major Code: 1062

- CONTINUED FROM PREVIOUS PAGE -

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 pages 61-62 of the 2010-2011 catalog.

Program:	Music		School:	Music
Major:	Music - Wind	Major Code: 1064	College:	Fine Arts and Design
Major:	Music - String	Major Code: 1065	Degree:	Bachelor of Music (B.M.)
Major:	Music - Percussion	Major Code: 1063		

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

- 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	
Music	72	
Required Courses	30	
MUS 1120 Recital Attendance (must be taken six times)		
MUS 1143 Music Theory I		
MUS 1151 Aural Skills I		
MUS 1183 Music Theory II		
MUS 1161 Aural Skills II		
MUS 2010 Applied Qualifying Exam		
MUS 2210 Piano Proficiency		
MUS 2223 Music Theory III		
MUS 2151 Aural Skills III		
MUS 2593 Music Theory IV		
MUS 2161 Aural Skills IV		
MUS 3102 Principles of Conducting		
MUS 3232 Structural Analysis		
MUS 3433 Music History Survey I		
MUS 3443 Music History Survey II		
MUS 4152 Instrumentation		
MUS 4362 Music Composition		

^ Applied in area of concentration 16

Recital..... 3

- MPER 3811 Junior Recital
(Concurrent enrollment in 2 hours of MPER 3020 required)
- MPER 4812 Senior Recital
(Concurrent enrollment in 2 hours of MPER 4000 required)

^ Piano 4

Major Ensemble 8

- (University Choir, Band, Orchestra, Music Theatre Performance, Opera Performance, Chorale, Cantilena, Cantare)

Instrumental Pedagogy..... 2

- Select from the following:
- MUS 4622 String Pedagogy
- MUS 4632 Woodwind Pedagogy
- MUS 4642 Brass Pedagogy
- MUS 4652 Percussion Pedagogy

Instrumental Literature 2

- Select from the following:
- MUS 3032 Woodwind Literature
- MUS 3042 Brass Literature
- MUS 3052 Percussion Literature
- MUS 3062 String Literature

Music Electives 7

- 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 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.

All full time music majors to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study and pass Piano Proficiency Tests No. 1, 2, 3, & 4 (MUS 2210) by the conclusion of the sophomore year. If Piano Proficiency is not passed after four hours of Class Piano, students must enroll in any of the four Class Piano courses every semester until all four Piano Proficiency Tests are passed. 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).

Each student must pass the Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If exam is not passed, students must retake sophomore level applied lessons (MPER 2000) until exam is passed.

Program:	Music - continued		School:	Music
Major:	Music - Wind	Major Code: 1064	College:	Fine Arts and Design
Major:	Music - String	Major Code: 1065	Degree:	Bachelor of Music (B.M.)
Major:	Music - Percussion	Major Code: 1063		

- CONTINUED FROM PREVIOUS PAGE -

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 pages 61-62 of the 2010-2011 catalog.

Program: **Music Education**
 Major: **Music Education - Instrumental**
 Degree: **Bachelor of Music in Education (B.M.Ed.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1080**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Music Education - Instrumental..... 68

Required Courses..... 39

- MUS 1120 Recital Attendance (must be taken six times)
- MUS 1143 Music Theory I
- MUS 1151 Aural Skills I
- MUS 1183 Music Theory II
- MUS 1161 Aural Skills II
- MUS 2010 Applied Qualifying Exam
- MUS 2210 Piano Proficiency
- MUS 2223 Music Theory III
- MUS 2151 Aural Skills III
- MUS 2593 Music Theory IV
- MUS 2161 Aural Skills IV
- MUED 1232 Brass Techniques
- MUED 1292 Woodwind Techniques
- MUED 1432 String Techniques
- MUED 1492 Percussion Techniques
- MUS 3102 Principles of Conducting
- MUS 3232 Structural Analysis
- MUS 3402 Instrumental Conducting
- MUS 3433 Music History Survey I
- MUS 3443 Music History Survey II
- MUS 3731 Music Technology
- MUS 4152 Instrumentation

Major Instrument Applied Lessons..... 10

Select from the following 1

- MPER 1000 Applied Voice (1 hour)
- MPER 1631 Class Instruction - Voice
- MPER 2101 Edmond Community Chorale
- MPER 2141 Cantilena
- MPER 2461 Cantare
- MPER 3111 Concert Chorale

	Minimum Required Hours
Major Ensemble 7	
Wind Symphony, Symphonic Band, Marching Band, or Orchestra	
Select from the following 1	
MPER 3711 Brass Chamber Music	
MPER 3721 Percussion Ensemble	
MPER 3731 Woodwind Chamber Music	
MPER 3741 String Chamber Music	
Piano..... 4	
Recital..... 1	
MPER 3811 Junior Recital	
(concurrent enrollment in 2 hours of MPER 3020 or 4000 required)	
Select from the following 2	
MUS 3132 Marching Band Techniques	
MUS 3342 Wind Ensemble and Orchestra Literature	
MUS 4242 Instrumental Ensemble Pedagogy	
MUS 4622 String Pedagogy	
Music Electives 3	
Any MUS or MUED 3000/4000 level music courses.	
Professional Education 31	
PTE 3023 Foundations of American Education/Field Exp	
PTE 3163 Developmental Psychology	
SPED 4123 Teaching Individuals with Disabilities	
IME 3312 Technology for Teachers	
^MUED 4843 Instrumental Music Methods	
^**PTE 4172 Educational Assessment	
^**PTE 4533 Educational Psych/Field Experience	
^#PTE 4811 Contemporary Issues	
^#PTE 4848 Student Teaching K-12	
^#PTE 4853 Classroom Management and Instruction	

^ Admission to Teacher Education required

** To be taken the same semester

#To be taken the same semester

Program:	Music Education - continued	School:	Music
Major:	Music Education - Instrumental	College:	Fine Arts and Design
Degree:	Bachelor of Music in Education (B.M.Ed.)	Major Code:	1080

- CONTINUED FROM PREVIOUS PAGE -

The number of credits needed to meet degree requirements exceeds the 124 hour minimum and will vary according to course selection.

Other Requirements for the B.M.Ed. Degree

Before students can be accepted as candidates for the B.M.Ed. 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 the semester's work.

All full time music majors are to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study and must pass Piano Proficiency Tests No. 1, 2, 3, & 4 (MUS 2210) by the conclusion of the sophomore year. If Piano Proficiency is not passed after four hours of Class Piano, students must enroll in any of the four Class Piano courses every semester until all Piano Proficiency Tests are passed. 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).

Each student must pass the Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If the exam is not passed, the student must retake sophomore level applied lessons (MPER 2000) until exam is passed.

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 and senior level recitals.

Minimum Graduation Requirements

1. Overall GPA in all course work..... 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 courses in English Composition, Professional Education, and all other courses in the major to count toward meeting degree requirements, except for applied major courses.
4. Proficiency in foreign languageNovice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Music Education**
 Major: **Music Education - Vocal**
 Degree: **Bachelor of Music in Education (B.M.Ed.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1081**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses	9
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Music Education - Vocal..... **64**

Required Courses..... **36**

MUS 1120	Recital Attendance (must be taken six times)
MUS 1143	Music Theory I
MUS 1151	Aural Skills I
MUS 1183	Music Theory II
MUS 1161	Aural Skills II
MUS 2010	Applied Qualifying Exam
MUS 2210	Piano Proficiency
MUS 2223	Music Theory III
MUS 2151	Aural Skills III
MUS 2593	Music Theory IV
MUS 2161	Aural Skills IV
MUS 3102	Principles of Conducting
MUS 3232	Structural Analysis
MUS 3433	Music History Survey I
MUS 3443	Music History Survey II
MUS 3512	Choral Conducting
MUS 3532	Voice Pedagogy
MUS 4451	Advanced Choral Techniques
MUED 1232	Brass Techniques OR
MUED 1292	Woodwind Techniques OR
MUED 1432	String Techniques OR
MUED 1492	Percussion Techniques
MUED 4873	Vocal Music Methods Secondary

Applied Voice..... **10**

Choir..... **8**
 (Chorale, Cantilena, or Cantare)

Piano..... **6**

	Minimum Required Hours
--	---------------------------

Recital **1**

MPER 3811 Junior Recital
 (concurrent enrollment in 2 hours of MPER 3020 or 4000 required)

Music Electives **3**

Any MUS or MUED 3000/4000 level music courses.

Professional Education **30**

PTE 3023	Foundations of American Education/Field Exp
PTE 3163	Developmental Psychology
SPED 4123	Teaching Individuals with Disabilities
IME 3312	Technology for Teachers
^MUED 4852	Elementary Music Methods-Vocal
^**PTE 4172	Educational Assessment
^**PTE 4533	Educational Psych/Field Experience
^#PTE 4811	Contemporary Issues
^#PTE 4848	Student Teaching K-12
^#PTE 4853	Classroom Management and Instruction

^ Admission to Teacher Education required

** To be taken the same semester

#To be taken the same semester

The number of credits needed to meet degree requirements exceeds the 124 hour minimum and will vary according to course selection.

- CONTINUED ON NEXT PAGE -

Program: **Music Education** - continued
 Major: **Music Education - Vocal**
 Degree: **Bachelor of Music in Education (B.M.Ed.)**

School: **Music**
 College: **Fine Arts and Design**
 Major Code: **1081**

- CONTINUED FROM PREVIOUS PAGE -

Other Requirements for the B.M.Ed. Degree

Before students can be accepted as candidates for the B.M.Ed. 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 the semester's work.

All full time music majors are to enroll each 16-week semester in an applied music class in his/her major. All full time music majors are also required to enroll in and attend six semesters of Recital Attendance (MUS 1120).

All entering freshmen and undergraduate transfer students are required to take a Theory Advisory Examination prior to their FIRST ENROLLMENT.

All students must enroll in Class Piano (MPER 2731, 2831, 2931, 2941) the first four semesters of study and must pass Piano Proficiency Tests No. 1, 2, 3, & 4 (MUS 2210) by the conclusion of the sophomore year. If Piano Proficiency is not passed after four hours of Class Piano, students must enroll in any of the four Class Piano courses every semester until all Piano Proficiency Tests are passed. 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).

Each student must pass the Applied Qualifying Exam (MUS 2010) at the end of the sophomore year in order to be admitted to junior level applied study. If the exam is not passed, the student must retake sophomore level applied lessons (MPER 2000) until exam is passed.

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 and senior level recitals.

Minimum Graduation Requirements

1. Overall GPA in all college course work 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 courses in English Composition, Professional Education, and all other courses in the major to count toward meeting degree requirements, except for applied major courses.
4. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.
 • 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 Technology80-82
 Minimum Required Hours

Required Core Courses 37

- THRT 1311 Production/Performance (must be taken 4 times)
- THRT 1523 Beginning Acting for Majors
- THRT 2123 Stage Make-Up
- THRT 2133 Stage Lighting
- THRT 2153 Stagecraft
- THRT 2173 Stage Costume
- THRT 2303 Script Analysis
- THRT 3143 Stage Management
- THRT 3343 Development of Drama
- THRT 4353 History of Theatre: Beginning to 1660
- THRT 4363 History of Theatre: 1660 to present
- THRT 4713 Play Production

Theatre Arts Design and Technology Courses 29

- THRT 2901 Portfolio Seminar
- THRT 2163 Sound Technology for Theatre
- THRT 3133 Set Design
- THRT 3413 Period Styles 1
- THRT 3423 Costume Design
- THRT 3433 Period Styles 2
- THRT 3543 Lighting Design
- THRT 3733 Theatre Graphics
- * THRT 4313 Advanced Set Design OR
- * THRT 4323 Advanced Lighting Design OR
- * THRT 4333 Advanced Costume Design
- * THRT 4873 Design Thesis
- * THRT 4881 Design Exit Portfolio

* Denotes upper-level design/technical courses

Theatre Arts Electives..... 14-16

Selected from any other Theatre Arts course

Recommended electives:

- THRT 1553 Speech for Theatre
- THRT 2243 Scene Painting
- THRT 2373 Costume Construction
- THRT 3113 Technical Production

Minimum Required Hours

- THRT 3163 Dramatic Sound Design
- THRT 3313 Developing the Short Play
- THRT 3403 Costume History 1
- THRT 3443 Costume History 2
- THRT 3743 Computer Graphics

Electives to bring total to 124

Other Requirements for the B.F.A. Degree

Before students can be accepted as candidates for the upper level B.F.A. degree curriculum, they must demonstrate through examination a technical proficiency sufficient to continue into the degree program. All majors must maintain a 2.75 in their Theatre Arts Design and Technical courses.

All entering freshmen are required to take Production and Performance four times within their first two years at UCO. All transfer students are required to take Production and Performance two times in their first year.

All students must successfully participate in the January portfolio display for continual enrollment each year.

All transfer students must display their portfolios to the design/technical faculty to continue in the degree program within their first year.

All students must successfully complete the Junior Affirmation process before enrollment in the (*) courses. Failure to do so will render the student unable to continue in the degree 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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 - Performance 80-82
 Required Core Courses 37

THRT 1311 Production/Performance (must be taken 4 times)

THRT 1523 Beginning Acting for Majors

THRT 2123 Stage Make-Up

THRT 2133 Stage Lighting

THRT 2153 Stagecraft

THRT 2173 Stage Costume

THRT 2303 Script Analysis

THRT 3143 Stage Management

THRT 3343 Development of Drama

THRT 4353 History of Theatre: Beginning to 1660

THRT 4363 History of Theatre: 1660 to present

THRT 4713 Play Production

Theatre Arts Acting Courses 37

DANC 2431 Beginning Ballet

THRT 1553 Speech for Theatre

THRT 1613 Voice and Movement 1

(to be taken with THRT 2613)

THRT 2233 Voice and Movement 2

(to be taken with THRT 3583)

THRT 2613 Intermediate Acting

THRT 2643 Shakespeare in Performance

THRT 3513 Dialects for the Theatre

THRT 3563 Audition Techniques

THRT 3583 Improvisational Acting

THRT 3633 Voice and Movement 3

(to be taken with THRT 2643)

THRT 4623 Acting Styles 1

* THRT 4723 Acting Styles 2

THRT 4863 Career Advancement/Recital

Theatre Arts Electives..... 6-8

Selected from any other Theatre Arts course

Recommended electives:

DANC 1621 Beginning Tap Dance

DANC 1651 Beginning Folk Dance

DANC 2441 Beginning Jazz Dance

THRT 2313 Stage Combat

THRT 3313 Developing the Short Play

THRT 3723 Professional Company Experience

THRT 4513 Advanced Improvisation Acting

THRT 4633 Acting on Camera

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 pages 61-62 of the 2010-2011 catalog.

* To enroll in THRT 4723 Acting Styles 2 students must pass the jury requirements. The student will be given an opportunity to re-take the jury exams.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses..... 6
 ENG 1113 English Composition
 ENG 1213 English Composition and Research

Theatre/Communication Education..... 50

Required courses 50

- MCOM 1113 Fundamentals of Speech
- MCOM 2443 Basic Television Production
- MCOM 3373 Small Group Communication
- MCOM 3383 Argumentation
- THRT 1311 Production/Performance (must be taken 3 times)
- THRT 1523 Beginning Acting for Majors
- THRT 1553 Speech for the Theatre
- THRT 2113 Performance of Literature
- THRT 2123 Stage Make-Up
- THRT 2153 Stagecraft
- THRT 2173 Stage Costume
- THRT 2613 Intermediate Acting
- THRT 3223 Fundamentals of Technical Theatre
- THRT 3242 Coaching Competitive Speech/Drama
- THRT 4353 History of Theatre: Beginning to 1660
- THRT 4363 History of Theatre: 1660 to Present
- THRT 4713 Play Production

Professional Education 31

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^THRT 4843 Methods of Teaching Speech/Drama/Debate
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psych/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Student Teaching Secondary
- ^#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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

College of Liberal Arts

Academic Degree Programs



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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Applied Liberal Arts.....	71-77
Social and Behavioral Sciences.....	15
Economics.....	6
Elective 3000 or 4000 level courses in at least three of the following areas.....	9
Political Science Psychology	
Geography Sociology	
Cultural Foundations.....	9
Philosophy (3000 or 4000 level).....	3
Elective 3000 or 4000 level courses in at least two of the following areas.....	6
A. History	
B. English	
C. Humanities	
Communication Skills.....	9
Select one course from group A and two from group B:	
A. *ENG 4473 Advanced Composition OR	
ENG 4023 Technical Writing OR	
CSDY 3573 Fundamentals of Creative Writing I OR	
CSDY 3583 Fundamentals of Creative Writing II	
B. MCOM 3113 Nonverbal Communication OR	
MCOM 3413 Conflict and Communication OR	
MCOM 2623 Communication Theory OR	
MCOM 3383 Argumentation OR	
MCOM 3373 Small Group Communication OR	
MCOM 2193 Principles of Public Relations	
* English courses completed in fulfillment for the Communication Skills area cannot be used to satisfy the Cultural Foundations requirement.	
Foreign Language 2-8	
Completion of a second semester of a foreign language (1224) or an intermediate level foreign language.	
Career Preparation 12	
ACCT 2113 Accounting I.....	3
Select one of the following:.....	3
POL 2013 Information Management in Political Science	

	Minimum Required Hours
LEAD 2213 Theories of Leadership	
GEO 3113 Intro to Geographical Information Systems	
Select from the following:.....	6
ACCT 2133 Accounting II	
BCOM 3143 Business Communication	
FIN 3563 Fundamentals of Business Finance	
ECON 2173 Principles of Business Statistics	
LS 3113 Legal Environment of Business	
MATH 1513 College Algebra OR	
MATH 1453 College Algebra for Business	
MGMT 3103 Management and Organizational Behavior	
MRKT 3013 Principles of Marketing	
# Liberal Arts Area 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.	
Art Mass Communication/Communication	
Creative Studies Modern Language	
Economics Music	
English Philosophy	
Geography Political Science	
History Psychology	
Humanities Sociology/Criminal Justice	
Mathematics Theatre Arts	
#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 pages 61-62 of the 2010-2011 catalog.

Program: **Criminal Justice**
 Major: **Criminal Justice - General Criminal Justice**
 Degree: **Bachelor of Arts (B.A.)**

School: **Criminal Justice**
 College: **Liberal Arts**
 Major Code: **5280**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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 - General Criminal Justice.51-59

Foundation Courses..... 30

Required courses:

MCOM 2053 Introduction to Human Communications

SOC 2103 Sociology

SAS 2603 Introduction to Substance Abuse Studies

PSY 1103 General Psychology

SOC 3203 Minorities in American Society

PHIL 3223 Criminal Justice Ethics

SOC 3633 Criminology

CJ 3643 Administration of Justice

ENG 4023 Technical Writing

CJ 4113 Research Methodology for Criminal Justice **OR**

SOC 4773 Sociological Research

General Criminal Justice 21

Required courses:

SOC 3103 Juvenile Delinquency

CJ 3423 Laws of Arrest, Search, and Seizure

CJ 3653 Police Administration and Organization

CJ 4003 Community Oriented Policing **OR**

CJ 4413 Delinquent Child Law: Process & Procedure **OR**

CJ 4063 Innovations in Corrections and Penology

CJ 4033 Critical Issues in Criminal Justice

CJ 4703 Administration of Correctional Institutions

CJ 4940 Field Study 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

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 pages 61-62 of the 2010-2011 catalog.

**Minimum
Required Hours**

**Minimum
Required Hours**

Program: **Criminal Justice**
 Major: **Criminal Justice - Police**
 Degree: **Bachelor of Arts (B.A.)**

School: **Criminal Justice**
 College: **Liberal Arts**
 Major Code: **5281**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

- 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 - Police.....54-62

Foundation Courses 33

Required courses:

- MCOM 2053 Introduction to Human Communications **OR**
- MCOM 3073 Relational Communication
- SOC 2103 Sociology
- SAS 2603 Introduction to Substance Abuse Studies
- PSY 1103 General Psychology
- SOC 3203 Minorities in American Society
- PHIL 3223 Criminal Justice Ethics
- SOC 3633 Criminology
- CJ 3643 Administration of Justice
- ENG 4023 Technical Writing
- CJ 4113 Research Methodology for Criminal Justice **OR**
- SOC 4773 Sociological Research
- CJ 4523 Cyber Crime **OR**
- CJ 4533 White Collar Crime **OR**
- CJ 4633 Terrorism and Homeland Security

Criminal Justice - Police..... 21

Required courses:

- FRSC 2503 Introduction to Forensic Science **OR**
- CJ 4023 Modern Criminal Investigations
- SOC 3103 Juvenile Delinquency
- CJ 3423 Laws of Arrest, Search, and Seizure
- CJ 3653 Police Administration and Organization
- CJ 4003 Community Oriented Policing
- CJ 4013 Elements of Criminal Offenses
- CJ 4940 Field Study 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

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 pages 61-62 of the 2010-2011 catalog.

Program: **English**
 Major: **English**
 Degree: Bachelor of Arts (B.A.)

Dept: English
 College: Liberal Arts
 Major Code: 5040

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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**

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

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 pages 61-62 of the 2010-2011 catalog.

Language and Writing..... **21**

Required courses:

ENG 4023 Technical Writing **OR**

CSDY 3573 Fundamentals of Creative Writing I

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**

Program: **English**
 Major: **English - Creative Studies**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **English**
 College: **Liberal Arts**
 Major Code: **5041**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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**

English - Creative Studies 47-56

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 5-6

Required courses:

- CSDY 3573 Fundamentals of Creative Writing I **OR**
- CSDY 3432 Professional Writing I
- CSDY 3583 Fundamentals of Creative Writing II **OR**
- CSDY 3593 Genre Studies in Creative Writing

Creative Studies Elective Courses (4000 Level) 21

Modern Language Requirement 0-8

All students completing a B.A. in English - Creative 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

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

English Education 42

Literature..... 30

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 OR
ENG 4333	Teaching Shakespeare
ENG 3193	World Literature I OR
ENG 3213	World Literature II
ENG 4073	19th-Century British Women Writers OR
ENG 4093	20th Century American Women's Autobiography OR
ENG 4433	Southern Women Writers OR
ENG 4453	African-American Women Writers OR
ENG 4683	Women in Literature OR
ENG 4713	Nineteenth-Century American Women Writers
ENG 4643	Young Adult Literature Before 1980 OR
ENG 4673	Young Adult Literature After 1980
ENG 4823	Ethnic American Literature

Composition and Linguistics..... 12

Required courses:

ENG 4283	English Grammar and Usage
ENG 4323	History of the English Language OR
ENG 4243	Chaucer
ENG 4343	Linguistics
ENG 4473	Advanced Composition

Professional Education 34

PTE 3023	Foundations of American Education/Field Exp
PTE 3153	Adolescent Psychology
SPED 4123	Teaching Individuals with Disabilities
IME 3312	Technology for Teachers
ENG 3843	Composition and Language for Teachers
^ENG 4843	English/Language Arts Methods
^**PTE 4172	Educational Assessment
^**PTE 4533	Educational Psych/Field Experience
^#PTE 4811	Contemporary Issues
^#PTE 4838	Student Teaching Secondary
^#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

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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Geography**
 Major: **Geography**
 Degree: Bachelor of Arts (B.A.)

Dept: History
 College: Liberal Arts
 Major Code: 5100

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.
 • 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

Major Requirements

	Minimum Required Hours
Geography 54-62	
Geography 36-37	
Geography Core 15-16	
Select from the following:	
GEO 1103 Introduction to Geography OR	
GEO 1204 Physical Geography with Lab OR	
GEO 1403 Cultural Geography	
GEO 2303 Regional Geography of the World	
GEO 3013 Geographic Skills	
GEO 3113 Introduction to Geographic Information Systems	
GEO 4893 Geographic Thought and Research	
Regional Core 9	
Select 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 Africa	
GEO 3173 Geo of Australia and the Major Pacific Islands	
GEO 3183 Geography of South Asia	
GEO 3193 Geography of the Developing World	
GEO 3203 Geography of North America	
GEO 3303 Geography of Russia and Central Asia	
GEO 3403 Geography of the Western Pacific	
GEO 3803 Geography of Oklahoma	
GEO 4940 Field Study in Geography (1-6 hours)	
Topical Core 12	
Select from the following:	
GEO 2403 Weather and Climate	
GEO 3103 Map Analysis and Cartography	
GEO 3503 World Political Geography	
GEO 3703 Environmental Conservation	
GEO 4013 Economic Geography	
GEO 4133 American Indian Geographies	
GEO 4513 Historical Geography of North America	
GEO 4603 Urban Geography	
GEO 4613 World Geopolitical Hot Spots	
GEO 4703 Geographic Information Systems for K-12 Educ	
GEO 4713 Advanced GIS	

	Minimum Required Hours
GEO 4733 Advanced GIS: Urban/Social	
GEO 4743 Advanced GIS: Environmental	
Other Social Studies 18	
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 pages 61-62 of the 2010-2011 catalog.

Program: **History**
 Major: **History - General**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **History**
 College: **Liberal Arts**
 Major Code: **5120**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
History - General	54-62		
Common Core Courses	24		
U.S./European History	18		
HIST 1103 Early Western Civilization to 1350		HIST 4763 The African American Experience since 1900	
HIST 1203 Europe from the Renaissance to Waterloo		HIST 4823 Social and Cultural History of the United States to 1865	
HIST 1263 Modern Europe		HIST 4833 Social and Cultural History of the United States since 1865	
HIST 1483 History of the United States to 1877		HIST 4843 Major Interpretations of American History	
HIST 1493 History of the United States since 1877		HIST 4873 History of the United States, 1945 to the Present	
HIST 3113 Historical Research		Advanced European History (3/4000 level only).....	3
Non-U.S./Non-European History.....	6	Selected from the following:	
HIST 1013 World History I OR		HIST 3313 England to 1689	
HIST 1273 East Asian Civilization to 1500		HIST 3323 England since 1689	
HIST 1023 World History II OR		HIST 3383 The Middle Ages	
HIST 1283 East Asian Civilization since 1500		HIST 3423 Women's History: European	
General History	21	HIST 3483 Absolutism and Enlightenment in Europe	
Advanced American History (3/4000 level only)	6	HIST 3583 Europe 1815-1871	
Selected from the following:		HIST 3613 Tudor-Stuart England	
HIST 3223 Recent U.S. Constitutional History		HIST 4103 Europe, 1919 to 1945	
HIST 3233 U.S. Women's History		HIST 4133 Europe since 1945	
HIST 4203 American Diplomatic History to 1900		HIST 4333 Russian History to 1917	
HIST 4213 American Diplomatic History in the 20th Century		HIST 4343 Russian History since 1917	
HIST 4303 Indians of the Southwest		HIST 4663 The French Revolution and Napoleon	
HIST 4313 U.S. Military History to 1917		HIST 4773 Modern German History	
HIST 4323 U.S. Military History since 1900		HIST 4883 The Reformation, 1500-1648	
HIST 4413 American Indian Women		HIST 4893 Europe, 1871-1919	
HIST 4423 Women in the American West		Advanced Non-U.S./Non-European History	3
HIST 4433 American Colonial Period, 1492 to 1763		(3/4000 level only)	
HIST 4533 The American Revolution and Early National Period, 1763 to 1815		Selected from the following:	
HIST 4543 The Black Experience in the American West		HIST 4153 History of Latin American	
HIST 4553 Jacksonian America, 1815 to 1848		HIST 4353 Women's History: International	
HIST 4563 Civil War and Reconstruction		HIST 4443 History of the Cold War in Asia	
HIST 4603 Gilded Age and Progressive Era, 1876 to 1919		HIST 4513 History of Mexico	
HIST 4633 History of the United States, 1919 to 1945		HIST 4713 Modern Middle East	
HIST 4673 The Old West		HIST 4743 Modern China and Japan	
HIST 4723 The Trans-Mississippi West		HIST 4863 The History of Modern Southeast Asia	
HIST 4753 The African American Experience to 1900		Elective History	9
		(To be selected from 3/4000 level courses.)	

- CONTINUED ON NEXT PAGE -

Program: **History** - continued
 Major: **History - General**
 Degree: Bachelor of Arts (B.A.)

Dept: History
 College: Liberal Arts
 Major Code: 5120

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

Complementary Courses	9
Geography	6
Non-History courses	3
Selected from the following:	
a. Political Science (in addition to POL1113)	
b. Sociology	
c. Economics	
d. Literature	

Modern Language Requirement.....0-8

All students completing a B.A. in History - General 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
History - Museum Studies	54-62	HIST 4723	The Trans-Mississippi West
(See Program Director upon selection of this major.)		HIST 4753	The African American Experience to 1900
Common Core Courses	24	HIST 4763	The African American Experience since 1900
U.S./European History	18	HIST 4823	Social and Cultural History of the United States to 1865
HIST 1103	Early Western Civilization to 1350	HIST 4833	Social and Cultural History of the United States since 1865
HIST 1203	Europe from the Renaissance to Waterloo	HIST 4843	Major Interpretations of American History
HIST 1263	Modern Europe	HIST 4873	History of the United States, 1945 to the Present
HIST 1483	History of the United States to 1877		Advanced European History (3/4000 level only)..... 3
HIST 1493	History of the United States since 1877		Selected from the following:
HIST 3113	Historical Research	HIST 3313	England to 1689
Non-U.S./Non-European History.....	6	HIST 3323	England since 1689
HIST 1013	World History I OR	HIST 3383	The Middle Ages
HIST 1273	East Asian Civilization to 1500	HIST 3423	Women's History: European
HIST 1023	World History II OR	HIST 3483	Absolutism and Enlightenment in Europe
HIST 1283	East Asian Civilization since 1500	HIST 3583	Europe 1815-1871
Museum Studies	30	HIST 3613	Tudor-Stuart England
Advanced American History (3/4000 level only)	6	HIST 4103	Europe, 1919 to 1945
Selected from the following:		HIST 4133	Europe since 1945
HIST 3223	Recent U.S. Constitutional History	HIST 4333	Russian History to 1917
HIST 3233	U.S. Women's History	HIST 4343	Russian History since 1917
HIST 4203	American Diplomatic History to 1900	HIST 4663	The French Revolution and Napoleon
HIST 4213	American Diplomatic History in the 20th Century	HIST 4773	Modern German History
HIST 4303	Indians of the Southwest	HIST 4883	The Reformation, 1500-1648
HIST 4313	U.S. Military History to 1917	HIST 4893	Europe, 1871-1919
HIST 4323	U.S. Military History since 1900		Advanced Non-U.S./Non-European History..... 3
HIST 4413	American Indian Women		(3/4000 level only)
HIST 4423	Women in the American West		Selected from the following:
HIST 4433	American Colonial Period, 1492 to 1763	HIST 4153	History of Latin America
HIST 4533	The American Revolution and Early National Period, 1763 to 1815	HIST 4353	Women's History: International
HIST 4543	The Black Experience in the American West	HIST 4443	History of the Cold War in Asia
HIST 4553	Jacksonian America, 1815 to 1848	HIST 4513	History of Mexico
HIST 4563	Civil War and Reconstruction	HIST 4713	Modern Middle East
HIST 4603	Gilded Age and Progressive Era, 1876 to 1919	HIST 4743	Modern China and Japan
HIST 4633	History of the United States, 1919 to 1945	HIST 4863	The History of Modern Southeast Asia
HIST 4673	The Old West		

- CONTINUED ON NEXT PAGE -

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 -

Museum Theory and Application..... 12
 HIST 4613 Museum Management
 HIST 4623 Museum Theory and Practice
 HIST 4950 Internship in Museum Studies (1-6 hours)
 (Prerequisite HIST 4613)

Elective History or Complementary courses 6
 (These courses must be approved by Museum Studies Program
 Director.)

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
 pages 61-62 of the 2010-2011 catalog.**

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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

History Education 54

Common Core Courses..... 24

HIST 1483	History of the United States to 1877
HIST 1493	History of the United States since 1877
HIST 1103	Early Western Civilization to 1350
HIST 1203	Europe from the Renaissance to Waterloo
HIST 1263	Modern Europe
HIST 1013	World History I
HIST 3303	Oklahoma History
HIST 3113	Historical Research

Advanced American History (3/4000 level only) 6

American Period Courses..... 3

Select from the following courses:

HIST 4433	American Colonial Period, 1492 to 1763
HIST 4533	The American Revolution and Early National Era, 1763 to 1815
HIST 4553	Jacksonian America, 1815 to 1848
HIST 4563	Civil War and Reconstruction
HIST 4603	Gilded Age and Progressive Era, 1876 to 1919
HIST 4633	History of the United States, 1919 to 1945
HIST 4873	History of the United States, 1945 to the Present

American Social/Minorities 3

Select from the following courses:

HIST 3123	Race Class Gender in U.S. History
HIST 3233	U.S. Women's History
HIST 4303	Indians of the Southwest
HIST 4423	Women in the American West
HIST 4543	The Black Experience in the American West
HIST 4753	The African American Experience to 1900
HIST 4763	The African American Experience since 1900
HIST 4823	Social & Cultural History of the US to 1865
HIST 4833	Social & Cultural History of the US since 1865

	Minimum Required Hours
Advanced European History (3/4000 level only)..... 3	
Select from the following courses:	
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 3613	Tudor-Stuart England
HIST 4103	Europe, 1919 to 1945
HIST 4133	Europe since 1945
HIST 4333	Russian History to 1917
HIST 4343	Russian History since 1917
HIST 4663	The French Revolution and Napoleon
HIST 4773	Modern German History
HIST 4883	The Reformation, 1500-1648
HIST 4893	Europe, 1871-1919
Non-U.S./Non-European (3/4000 level only)..... 3	
Select from the following courses:	
HIST 4153	History of Latin America
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
Elective History (3/4000 level only) 6	
Select from any of the history courses listed in the groups above	
OR from the following:	
HIST 3213	World War II
HIST 3223	Recent U.S. Constitutional History
HIST 3253	The History of the American City
HIST 3703	Modern World Leaders
HIST 4203	American Diplomatic History to 1900
HIST 4213	American Diplomatic History in the 20th Century

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**

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

Electives to bring total to..... 124

- HIST 4313 U.S. Military History to 1917
- HIST 4323 U.S. Military History since 1900
- HIST 4463 U.S.-East Asian Relations in the 20th Century
- HIST 4643 Anthropology: Societies in a Global Perspective
- HIST 4673 The Old West
- HIST 4723 The Trans-Mississippi West
- HIST 4843 Major Interpretations of American History
- ECON 3603 The Economic History of the United States

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Other required Social Studies 12

Six hours selected from the following:

- GEO 1103 Introduction to Geography
- GEO 2303 Regional Geography of the World
- GEO 3113 Introduction to Geographic Information Systems
- GEO 3503 World Political Geography

Three hours selected from the following:

- ECON 1103 Introduction to Economics
- + ECON 3603 The Economic History of the United States

Three hours selected from the following:

- HIST 1023 World History II
- HIST 1273 East Asian Civilization to 1500
- HIST 1283 East Asian Civilization from 1500
- HIST 1333 A History of African Americans
- SOC 2103 Sociology

Any additional 3/4000 level Geography course

+ ECON course completed in fulfillment for the Elective History cannot be used to satisfy both requirements.

Professional Education 31

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^HIST 4803 Social Studies Methods
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psych/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Student Teaching Secondary
- ^#PTE 4853 Classroom Management and Instruction

^ Admission to Teacher Education required

** To be taken the same semester

#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.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Humanities.....45-53
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

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

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 3083 Film Criticism
- HUM 3113 Old Testament Humanities
- HUM 3123 New Testament Humanities
- HUM 3903 History of Film I
- HUM 3913 History of Film II
- HUM 4113 World Religions
- HUM 4123 Pagan Europe
- HUM 4133 Women, Witches, and Religion
- HUM 4153 Love
- HUM 4223 Jerusalem: One City/Three Religions
- HUM 4303 National Cinemas
- HUM 3990 Advanced Topics **OR**
- HUM 4910 Seminar in Humanities (maximum 6 hours)

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 3163 Contemporary Philosophy

Philosophy of Humanities..... 3

Selected from the following:

- PHIL 3123 Aesthetics
- PHIL 3143 Philosophy of Religion
- PHIL 4213 Philosophy of Fiction

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.

Minor Requirement 18-24

All students completing a B.A. in Humanities shall complete one of the following minors:

- | | | |
|-------------------|-----------------|-------------------|
| Art History | Asian Studies | English |
| Ethnic Studies | Film Studies | Geography |
| Global Studies | History | Modern Languages |
| Music | Philosophy | Political Science |
| Religious Studies | Women's Studies | |

* 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 I, LATIN

Program: **Humanities** - continued
Major: **Humanities**
Degree: Bachelor of Arts (B.A.)

Dept: Humanities and Philosophy
College: Liberal Arts
Major Code: 5170

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

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
pages 61-62 of the 2010-2011 catalog.**

Program:	Mass Communication	Dept:	Mass Communication
Major:	Mass Communication - Brand Communications/Advertising	College:	Liberal Arts
Degree:	Bachelor of Arts (B.A.)	Major Code:	5007

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

- 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

**Mass Communication -
Brand Communications/Advertising 42-50**

Required Courses 39

MCOM 1133	Media Writing
MCOM 2063	Introduction to Brand Communications/Advertising
MCOM 2553	Strategic Communications Planning
MCOM 2653	Photoshop for Media
MCOM 3103	Brand and Advertising Decisions
MCOM 3283	Print, Web, Copy and Design
MCOM 3353	Broadcast & Digital Advertising
MCOM 4383	Media Mix Analysis
MCOM 4423	Media Ethics
MCOM 4563	Media Law
MCOM 4663	Digital and Social Communications
MCOM 4863	Media Research
MCOM 4883	Brand Communications Campaigns

Advertising Elective Courses 6

Select from the following:

DES 2102	Graphic Design for Non-Majors
MCOM 2193	Principles of Public Relations
MCOM 2443	Basic Television Production AND
MCOM 2443L	Basic Television Production Lab
MCOM 3093	Presentation Techniques
MCOM 3333	Specialized Publications
MCOM 4403	Interviewing Practices
MCOM 4950	Internship in Mass Communication (1-4 hours)
MRKT 4113	Marketing Research
MRKT 4423	Consumer and Market Behavior

OR

Mass Communication Elective courses:

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the advertising elective courses listed above.

MCOM 1123	Basic Photography
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**Minimum
Required Hours**

MCOM 1143	News Reporting
MCOM 2053	Introduction to Human Communications
MCOM 2153	Introduction to Organizational Communication
MCOM 2203	Broadcast News I AND
MCOM 2203L	Broadcast News I Lab
Any MCOM course	

Modern Language Requirement 0-8

All students completing a B.A. in Mass Communication - Advertising 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 pages 61-62 of the 2010-2011 catalog.

Program: **Mass Communication**
 Major: **Mass Communication - Broadcasting**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**
 College: **Liberal Arts**
 Major Code: **5003**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Mass Communication - Broadcasting 45-53

Required Courses 33

- MCOM 1103 Intro to Mass Communication
- MCOM 1133 Media Writing
- MCOM 2013 Broadcast Audio Production
- MCOM 2203 Broadcast News I **AND**
- MCOM 2203L Broadcast News I Lab
- MCOM 2443 Basic Television Production **AND**
- MCOM 2443L Basic Television Production Lab
- MCOM 2511 Television Station Participation
- MCOM 3243 Television Field Production
- MCOM 3263 Radio and Television Writing
- MCOM 3323 Mass Media Effects on Society
- MCOM 4423 Media Ethics
- MCOM 4563 Media Law
- MCOM 4950 Internship in Mass Communication (2 hours)

Professional Preparation 6

Select either:

- MCOM 3403 Corporate Video Production
- MCOM 4153 Advanced Television Production **AND**
- MCOM 4153L Advanced Television Prod. Lab

OR

- MCOM 3033 Broadcast News II **AND**
- MCOM 3033L Broadcast News II Lab
- MCOM 4253 Broadcast News III **AND**
- MCOM 4253L Broadcast News III Lab

Broadcast Elective Courses 6

+ Select from the following:

- MCOM 2172 Sports Announcing
- MCOM 2501 Radio Station Participation
(Can be taken up to 4 times)
- MCOM 2511 Television Station Participation
(Can be taken up to 4 times)
- MCOM 2523 Sportscasting
- MCOM 2643 Non-Linear Editing
- MCOM 3033 Broadcast News II **AND**
- MCOM 3033L Broadcast News II Lab
- MCOM 3403 Corporate Video Production

**Minimum
Required Hours**

**Minimum
Required Hours**

- MCOM 3503 Broadcast Programming
- MCOM 4133 Broadcast Management
- MCOM 4153 Advanced Television Production **AND**
- MCOM 4153L Advanced Television Production Lab
- MCOM 4253 Broadcast News III **AND**
- MCOM 4253L Broadcast News III Lab
- MCOM 4383 Mixed Media Analysis
- MCOM 4413 TV Documentary Production
- MCOM 4523 Global Communication
- MCOM 4863 Media Research

Mass Communication Elective Courses

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the Broadcasting elective courses listed above.

- MCOM 1123 Basic Photography
- MCOM 1143 News Reporting
- MCOM 1183 Introduction to Brand Communication/Advertising
- MCOM 2053 Introduction to Human Communications
- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations
- Any MCOM course

+ Courses completed in fulfillment for Professional Preparation area cannot be used to satisfy the elective area.

Modern Language Requirement 0-8

All students completing a B.A. in Mass Communication - Broadcasting 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: **Mass Communication** - continued
 Major: **Mass Communication - Broadcasting**
 Degree: Bachelor of Arts (B.A.)

Dept: Mass Communication
 College: Liberal Arts
 Major Code: 5003

**Minimum
Required Hours**

- CONTINUED FROM PREVIOUS PAGE -

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
pages 61-62 of the 2010-2011 catalog.**

Program:	Mass Communication	Dept:	Mass Communication
Major:	Mass Communication - Interpersonal Communication	College:	Liberal Arts
Degree:	Bachelor of Arts (B.A.)	Major Code:	5005

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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**

**Mass Communication - Interpersonal
Communication 48-56**

Required Courses 33

- MCOM 2053 Introduction to Human Communications
- MCOM 2623 Communication Theory
- MCOM 3053 Persuasion and Social Influence
- MCOM 3073 Relational Communication
- MCOM 3083 Intercultural Communication
- MCOM 3113 Nonverbal Communication
- MCOM 3153 Communication Research
- MCOM 3373 Small Group Communication
- MCOM 3413 Conflict and Communication
- MCOM 4233 Family Communication
- MCOM 4453 Communication and Language

Interpersonal Communication Elective Courses 6

Select from the following:

- MCOM 2043 Listening
- MCOM 3093 Presentation Techniques
- MCOM 3383 Argumentation
- MCOM 4013 Workshop Organization and Leadership

Mass Communication Elective Courses 9

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the Interpersonal Communication elective courses listed above.

- MCOM 1123 Basic Photography
- MCOM 1143 News Reporting
- MCOM 1183 Introduction to Brand Communication/Advertising
- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations
- MCOM 2203 Broadcast News I **AND**
- MCOM 2203L Broadcast News I Lab
- MCOM 2443 Basic Television Production **AND**
- MCOM 2443L Basic Television Production Lab
- Any MCOM course

Modern Language Requirement 0-8

All students completing a B.A. in Mass 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
pages 61-62 of the 2010-2011 catalog.**

Program: **Mass Communication**
 Major: **Mass Communication - Journalism**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**
 College: **Liberal Arts**
 Major Code: **5006**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Mass Communication - Journalism 43-51

Required Courses 22-25

- MCOM 1133 Media Writing
- MCOM 1143 News Reporting
- MCOM 2531 Newspaper Participation (can be taken up to four times)
- MCOM 3143 News Editing
- MCOM 3313 History of Journalism
- MCOM 4063 Feature Writing
- MCOM 4423 Media Ethics
- MCOM 4563 Media Law

Journalism Elective Courses 9-12

Select from the following:

- MCOM 1123 Basic Photography
- MCOM 1183 Introduction to Brand Communication/Advertising
- MCOM 2123 Magazine Industry
- MCOM 2193 Principles of Public Relations
- MCOM 3193 Internet News Sources
- MCOM 3203 Literature of Journalism
- MCOM 3233 Gender, Race, Class and Media
- MCOM 3333 Specialized Publications
- MCOM 4143 Depth Reporting
- MCOM 4193 Editorial Writing
- MCOM 4203 Press Theories
- MCOM 4223 History of the Black Press
- MCOM 4313 Women in Media
- MCOM 4373 Web Communications
- MCOM 4433 Victims and the Media
- MCOM 4863 Media Research

Mass Communication Elective Courses 9

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the Journalism elective courses listed above.

- MCOM 2053 Introduction to Human Communications
- MCOM 2153 Introduction to Organizational Communication

**Minimum
Required Hours**

**Minimum
Required Hours**

- MCOM 2203 Broadcast News I **AND**
- MCOM 2203L Broadcast News I Lab
- MCOM 2443 Basic Television Production **AND**
- MCOM 2443L Basic Television Production Lab
- Any MCOM course

Modern Language Requirement 0-8

All students completing a B.A. in Mass Communication - Journalism 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 pages 61-62 of the 2010-2011 catalog.

Program:	Mass Communication	Dept:	Mass Communication
Major:	Mass Communication - Organizational Communication	College:	Liberal Arts
Degree:	Bachelor of Arts (B.A.)	Major Code:	5004

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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		Minimum Required Hours
Mass Communication - Organizational Communication 42-50		MCOM 2203L Broadcast News I Lab	
Required Courses 36		MCOM 2443 Basic Television Production AND	
MCOM 2153 Intro to Organizational Communication		MCOM 2443L Basic Television Production Lab	
MCOM 2623 Communication Theory		Any MCOM course	
MCOM 3093 Presentation Techniques		Modern Language Requirement 0-8	
MCOM 3153 Communication Research		All students completing a B.A. in Mass Communication - 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.	
MCOM 3373 Small Group Communication		Electives to bring total to 124	
MCOM 3423 Communication and Gender		Minimum Grade Requirements	
MCOM 4013 Workshop Organization and Leadership		1. Average in all college course work and course work at UCO. 2.00	
MCOM 4113 Organizational Communication		2. Average in major courses 2.50	
MCOM 4343 Corporate Promotion			
MCOM 4403 Interviewing Practices			
MCOM 4453 Communication and Language			
MCOM 4533 Health Communication			
Organizational Communication Elective Courses 6			
Recommended Electives:			
MCOM 1153 Voice and Diction			
MCOM 2193 Principles of Public Relations			
MCOM 2443 Basic TV Production AND			
MCOM 2443L Basic TV Production Lab			
MCOM 3053 Persuasion & Social Influence			
MCOM 3083 Intercultural Communication			
MCOM 3113 Nonverbal Communication			
MCOM 3173 Women's Rhetoric			
MCOM 3413 Conflict and Communication			

Mass Communication Elective Courses

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the Organizational Communication elective courses listed above.

- MCOM 1123 Basic Photography
- MCOM 1143 News Reporting
- MCOM 1183 Introduction to Brand Communication/Advertising
- MCOM 2053 Introduction to Human Communications
- MCOM 2203 Broadcast News I **AND**

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Mass Communication**
 Major: **Mass Communication - Photographic Arts**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**
 College: **Liberal Arts**
 Major Code: **5008**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Mass Communication - Photographic Arts ...43-51

Required Courses 37-40

- MCOM 1123 Basic Photography
- MCOM 1133 Media Writing
- MCOM 2223 Basic Darkroom Procedures
- MCOM 2543 Electronic Photography
- MCOM 3133 Color Photography
- MCOM 3293 Photographic Lighting
- MCOM 3343 News 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)

Photographic Arts Elective Courses 3-6

Select from the following:

- MCOM 2443 Basic Television Production **AND**
- MCOM 2443L Basic Television Production Lab
- MCOM 3143 News Editing
- ART 3163 Photo Arts History
- MCOM 3313 History of Journalism
- MCOM 3333 Specialized Publications
- MCOM 4063 Feature Writing
- MCOM 4323 Social Documentation
- MCOM 4443 Tech of Forensic Photography
- MCOM 4543 Portrait and Wedding Photography

Mass Communication Elective Courses

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the Photographic Arts elective courses listed above.

- MCOM 1143 News Reporting
- MCOM 1183 Introduction to Brand Communication/Advertising
- MCOM 2053 Introduction to Human Communications

**Minimum
Required Hours**

- MCOM 2153 Introduction to Organizational Communication
- MCOM 2193 Principles of Public Relations
- MCOM 2203 Broadcast News I **AND**
- MCOM 2203L Broadcast News I Lab
- Any MCOM course

Modern Language Requirement 0-8

All students completing a B.A. in Mass Communication - 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 pages 61-62 of the 2010-2011 catalog.

Program: **Mass Communication**
 Major: **Mass Communication - Public Relations**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Mass Communication**
 College: **Liberal Arts**
 Major Code: **5009**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Mass Communication - Public Relations 42-50

Required Courses 27

- MCOM 1133 Media Writing
- MCOM 1143 News Reporting
- MCOM 1183 Introduction to Brand Communication/Advertising
- MCOM 2193 Principles of Public Relations
- MCOM 4163 Public Information Methods
- MCOM 4183 Public Relations Case Studies
- MCOM 4263 Public Relations Campaigns
- MCOM 4423 Media Ethics
- MCOM 4563 Media Law

Public Relations Elective Courses 6

Select from the following:

- MCOM 1123 Basic Photography
- MCOM 2203 Broadcast News I **AND**
- MCOM 2203L Broadcast News I Lab
- MCOM 2443 Basic Television Production **AND**
- MCOM 2443L Basic Television Production Lab
- MCOM 3143 News Editing
- MCOM 3243 Television Field Production
- MCOM 3283 Print, Web, Copy and Design
- MCOM 3313 History of Journalism
- MCOM 3333 Specialized Publications
- MCOM 3403 Corporate Video Production
- MCOM 4063 Feature Writing
- MCOM 4333 Newsletter Design
- MCOM 4433 Victims and the Media
- MCOM 4863 Media Research
- MCOM 4950 Internship in Mass Communication (1-4 hours)

Mass Communication Elective Courses 9

To encourage a convergence of knowledge, skills, and opportunities among Mass Communication majors additional MCOM electives may be selected from the following courses or from the Public Relations elective courses listed above.

- MCOM 2053 Introduction to Human Communications
- MCOM 2153 Introduction to Organizational Communication
- Any MCOM course

Modern Language Requirement 0-8

All students completing a B.A. in Mass Communication - Public Relations 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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**

Modern Language - French 39-55

Elementary French 0-8

FRCH 1114 Elementary French I

FRCH 1224 Elementary French II

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.

A maximum of eight hours of credit for Elementary French may be earned by examination. Alternatively, one (1) year of high school French may be substituted for French 1114 and one (1) more year of high school French for 1224. The Departmental Placement Test may allow the student to place into a section of FRCH 2223.

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 Modern French Culture and Civilization

FRCH 3213 French Phonetics

FRCH 4113 Advanced French Grammar

FRCH 4123 Survey of French Literature to 1800

FRCH 4133 Survey of French Literature 1800 to the Present

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.

Electives to bring total to 124

Minimum Grade Requirements

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

- 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**

Modern Language - German39-55

Elementary German0-8

- 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, one (1) year of high school German may be substituted for German 1114 and one (1) more year of high school German for 1224. The Departmental Placement Test may allow the student to place into a section of GERM 2223.

Elementary Additional Language0-8

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)

Participation in foreign study is strongly recommended for all German 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.
 • 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
Modern Language - Spanish 39-55	
Elementary Spanish 0-8	
SPAN 1114 Elementary Spanish I	
SPAN 1224 Elementary Spanish II	
A maximum of eight (8) hours of credit for Elementary Spanish may be earned by examination. Alternatively, one (1) year of high school Spanish may be substituted for Spanish 1114 and one (1) more year of high school Spanish for 1224. The Departmental Placement Test may allow the student to place into a section of SPAN 2223.	
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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Modern Language Education - French.....39-51

Elementary French0-8

- 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, one (1) year of high school French may be substituted for 1114 and an additional one (1) year of high school French for 1224. The Departmental Placement Test may allow the student to place into a section of FRCH 2223.

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 Modern French Culture and Civilization
- FRCH 3213 French Phonetics
- FRCH 4113 Advanced French Grammar
- FRCH 4123 Survey of French Literature to 1800
- FRCH 4133 Survey of French Literature 1800 to the Present
- 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.

Professional Education 31

PTE 3023	Foundations of American Education/Field 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	Educational Psych/Field Experience
^#PTE 4811	Contemporary Issues
^#PTE 4848	Student Teaching K-12
^#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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... “C”
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses..... 9	
MCOM 2023 Communication for Teachers	
ENG 1113 English Composition	
ENG 1213 English Composition and Research	

Modern Language Education - German.....39-51

Elementary German0-8

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, one (1) year of high school German may be substituted for German 1114 and one (1) more year of high school German for 1224. The Departmental Placement Test may allow the student to place into a section of GERM 2223.

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.

**Minimum
Required Hours**

Professional Education 31

PTE 3023 Foundations of American Education/Field 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 Educational Psych/Field Experience

^#PTE 4811 Contemporary Issues

^#PTE 4848 Student Teaching K-12

^#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 2.75

2. In courses in English Composition, Professional Education,
and area of specialization (major)..... "C"

3. Proficiency in foreign language Novice 4 level

**For other regulations pertaining to graduation, see
pages 61-62 of the 2010-2011 catalog.**

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses..... 9

MCOM	2023	Communication for Teachers
ENG	1113	English Composition
ENG	1213	English Composition and Research

Minimum Required Hours

Participation in foreign study is strongly recommended for all Spanish majors and minors.

Modern Language Education - Spanish39-51

Elementary Spanish.....0-8

- SPAN 1114 Elementary Spanish I
- SPAN 1224 Elementary Spanish II

A maximum of eight (8) hours of credit for Elementary Spanish may be earned by examination. Alternatively, one (1) year of high school Spanish may be substituted for Spanish 1114 and one (1) more year of high school Spanish for 1224. The Departmental Placement Test may allow the student to place into a section of SPAN 2223.

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)

Professional Education31

- | | | |
|-------|------|--|
| PTE | 3023 | Foundations of American Education/Field 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 | Educational Psych/Field Experience |
| ^#PTE | 4811 | Contemporary Issues |
| ^#PTE | 4848 | Student Teaching K-12 |
| ^#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 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major)..... “C”
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Philosophy**
 Major: **Philosophy**
 Degree: Bachelor of Arts (B.A.)

Dept: Humanities
 College: Liberal Arts
 Major Code: 5180

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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	42-50
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	
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
PHIL 3403 Theory of Knowledge	
Electives in Philosophy	15
Modern Language Requirement	0-8

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 pages 61-62 of the 2010-2011 catalog.

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

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Political Science 36-44

Core Requirements 9

POL 2013 Information Management in Political Science

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.
 • 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
Political Science - Public Administration	45
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 Advanced 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	

	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..... 2.50

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

Program: **Sociology**
 Major: **Sociology**
 Degree: Bachelor of Arts (B.A.)

Dept: Sociology/Substance Abuse Studies
 College: Liberal Arts
 Major Code: 5300

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

- 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**

Sociology 58-66

Foundation Courses 25

Required courses:

- SOC 2011 Careers in Sociology
- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 2303 Social Psychology
- SOC 4043 Sociological Statistics
- SOC 4443 Social Stratification
- SOC 4693 Sociological Theory
- SOC 4773 Sociological Research

At least 3 hours from the following:

- SOC 3103 Juvenile Delinquency
- SOC 3633 Criminology
- SOC 4243 Social Deviance

General Sociology 15

Any 15 hours of sociology in addition to the foundation courses above.

General Social Studies 18

Any eighteen (18) 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 pages 61-62 of the 2010-2011 catalog.

Program: **Sociology**
 Major: **Sociology - Human Services**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Sociology/Substance Abuse Studies**
 College: **Liberal Arts**
 Major Code: **5302**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Sociology - Human Services 58-66
Foundation Courses for Sociology 25

- SOC 2011 Careers in Sociology
- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 2303 Social Psychology
- SOC 4043 Sociological Statistics
- SOC 4443 Social Stratification
- SOC 4693 Sociological Theory
- SOC 4773 Sociological Research

At least three (3) hours from the following:

- SOC 3103 Juvenile Delinquency
- SOC 3633 Criminology
- SOC 4243 Social Deviance

Foundation Courses for Human Services 18

- SOC 2503 Introduction to Social Work
- SOC 3203 Minorities in American Society
- SOC 3403 The Family
- SOC 4233 Human Behavior and the Social Environment
- SOC 4633 Social Welfare Theory
- SOC 4940 Field Study in Sociological Services (3 hours)

Electives for Human Services 15

- SOC 2113 Human Sexuality
 - SOC 3103 Juvenile Delinquency
 - SOC 3303 Sociology of Health and Medicine
 - SOC 3633 Criminology
 - SOC 4053 Sociology of Aging
 - SOC 4103 Urban and Rural Communities
 - SOC 4223 Group Dynamics
 - SOC 4243 Social Deviance
 - SOC 4573 Sociology of Childhood and Adolescence
 - SOC 4900 Practicum in Sociological Services (3 hours)
 - SAS 2603 Introduction to Substance Abuse Studies
 - SAS 4343 Prevention and Education in Substance Abuse
 - CJ 3643 Administration of Justice
- 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 pages 61-62 of the 2010-2011 catalog.

Program: **Sociology**
 Major: **Sociology - Substance Abuse Studies**
 Degree: **Bachelor of Arts (B.A.)**

Dept: **Sociology/Substance Abuse Studies**
 College: **Liberal Arts**
 Major Code: **5301**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Sociology - Substance Abuse Studies.....68-76
Foundation Courses for Sociology..... 25

- SOC 2011 Careers in Sociology
- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 2303 Social Psychology
- SOC 4043 Sociological Statistics
- SOC 4443 Social Stratification
- SOC 4693 Sociological Theory
- SOC 4773 Sociological Research

At least three (3) hours from the following:

- SOC 3103 Juvenile Delinquency
- SOC 3633 Criminology
- SOC 4243 Social Deviance

Foundation Courses for Substance Abuse Studies..... 43

- 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 4900 Practicum in Substance Abuse Studies (4 hours total)
- SOC 4223 Group Dynamics
- SOC 4233 Human Behavior and the Social Environment
- SOC 4463 The Abused

Minimum Required Hours

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, Criminal Justice, 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 pages 61-62 of the 2010-2011 catalog.

Program: **Technology Application Studies**
 Major: **Technology Application Studies**
 Degree: **Bachelor of Applied Technology (B.A.T.)**

Dept: **Mass Communication**
 College: **Liberal Arts**
 Major Code: **5030**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Technology Application Studies 57

A completed Associate of Applied Science degree is required for Technology Application Studies.

Required Courses 15

MCOM 2153 Intro to Organizational Communication

MCOM 3083 Intercultural Communication

MCOM 3093 Presentation Techniques

MCOM 3413 Conflict and Communication

ENG 4023 Technical Writing

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 Performance

Contemporary Music Production

Criminal Justice

Creative Studies

English

Ethic Studies

Film Studies

Geography

Global Studies

History

Humanities

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 pages 61-62 of the 2010-2011 catalog.

College of Mathematics and Science

Academic Degree Programs



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)

Specific courses within the University Core are listed on pages 89-90.

• 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**

Prerequisite Courses 0-6
 Required courses:
 MATH 1513 College Algebra or High School Algebra II **AND**
 MATH 1593 Plane Trigonometry or High School Trigonometry
OR
 MATH 1555 College Algebra and Trigonometry or the
 equivalent of these courses at other institutions.

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.)

Actuarial Science 66

Mathematics Core 18

- Required courses:
- MATH 1643 Introduction to Engineering with Computer Applications **OR**
 - MATH 1743 Technology and Mathematics **OR**
 - CMSC 1513 Beginning Programming
 - MATH 2313 Calculus 1
 - MATH 2323 Calculus 2
 - MATH 2333 Calculus 3
 - MATH 2343 Calculus 4
 - 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 I
 - # MATH 4233 Mathematics of Life Contingencies II

Statistics Core 15

- Required courses:
- STAT 3103 Statistical Methods I
 - STAT 4103 Applied Experimental Design **OR**
 - STAT 4303 Nonparametric Statistics
 - # STAT 4113 Mathematical Statistics I
 - # STAT 4123 Mathematical Statistics II
 - * STAT 4213 Applied Regression Analysis

**Minimum
Required Hours**

Finance and Insurance Electives 15

- Select from the following:
- * ECON 2103 Microeconomics
 - * ECON 2203 Macroeconomics
 - FIN 3523 Principles of Insurance
 - FIN 3553 Property and Liability Insurance for the Firm
 - FIN 3613 Life and Health Insurance
 - * FIN 3563 Fundamentals of Business Finance
 - * FIN 4253 Intermediate Business Finance
 - FIN 4213 Investments

Area of Application 6

- Select from the following:
- MATH 3103 Differential Equations
 - MATH 3263 Numerical Analysis I
 - MATH 4103 Numerical Analysis II
 - MATH 4113 Introduction to Operations Research I
 - MATH 4123 Introduction to Operations Research II
 - MATH 4950 Internship (3 hours)

* 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 MS 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Course 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 1513 College Algebra **AND**
 MATH 1593 Plane Trigonometry

Biology 67

Biology Core (required of all degree candidates) 25

Required courses:

- BIO 1204 Biology I for Majors
- BIO 1225 Biology II for Majors and Lab
- BIO 2203 Cell Biology
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution

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
- CHEM 3312 Organic Chemistry I Lab

Physics 4

- PHY 1114 General Physics I and Lab

Elective major courses (to bring major total to 67) 17
 Selected from the following:

(One course must be a Botany course with a lab and one a Zoology course with a lab).

Botany

- BIO 3024 Plant Physiology and Lab
- BIO 3604 Plant Kingdom and Lab
- BIO 4204 Plant Ecology and Lab
- BIO 4294 Plant Taxonomy and Lab
- BIO 4354 Plant Anatomy and Lab

Zoology

- BIO 3104 Embryology and Lab
- BIO 3154 Invertebrate Zoology and Lab
- BIO 3254 Comparative Vertebrate Anatomy and Lab
- BIO 3403 Comparative Animal Physiology **OR**
- BIO 3464 Comparative Animal Physiology and Lab
- BIO 3454 Vertebrate Zoology and Lab
- BIO 4124 Herpetology and Lab
- BIO 4254 Animal Behavior and Lab **OR**
- BIO 4213 Animal Behavior
- BIO 4264 Mammalogy and Lab
- BIO 4603 Advanced Mammalian Physiology I
- BIO 4613 Advanced Mammalian Physiology II
- BIO 4714 Aquatic Entomology and Lab
- BIO 4734 Ornithology and Lab
- BIO 4754 General Entomology and Lab
- BIO 4773 Parasitology and Lab

Microbiology

- BIO 3515 Pathogenic Microbiology & Immunology and Lab
- BIO 4334 Environmental Microbiology and Lab
- BIO 4413 Virology and Lab
- BIO 4504 Mycology and Lab

Biology

- BIO 3414 Histology and Lab
- BIO 3551 Ecological Methods

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 -

BIO	4012	Introduction to Biological Research
BIO	4024	Freshwater Ecology and Lab
BIO	4103	History and Nature of Science
BIO	4324	Marine Ecology and Lab
BIO	4343	Forensic Molecular Biology and Lab
BIO	4443	Microtechnique and Lab
BIO	4454	Molecular Cell Physiology and Lab
BIO	4622	Methods of Human Dissection & Prosection
BIO	4633	Scanning Electron Microscopy and Lab
BIO	4723	Biometrics
BIO	4743	Molecular and Population Genetics
BIO	4763	Biology of Cancer
BIO	4853	General Methods Teaching Science and Lab
BIO	4910	Seminar in Biology (1-4 hours)
CHEM	3403	Biochemistry I

No more than two (2) hours of the following courses will count toward the minimum required hours for the Biology major.

BIO	2000	Topics in Biology (1-4 hours)
BIO	3000	Workshop in Biology (1-6 hours)
BIO	3990	Advanced Topics in Biology (1-4 hours)
BIO	4900	Practicum in Biology (1-4 hours)
BIO	4930	Individual Study in Biology (1-4 hours)
BIO	4950	Internship in Biology (1-8 hours)
BIO	4960	Institute in Biology (1-8 hours)
BIO	4970	Study Tour in Biology (1-2 hours)

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
pages 61-62 of the 2010-2011 catalog.**

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)

Specific courses within the University Core are listed on pages 89-90.

• 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
Support Courses.....	9-19
PHIL 1123 Contemporary Moral Problems	
ECON 1103 Introduction to Economics	
FMKT 2323 Global Protocol and Diversity (or Foreign Language)	

Students majoring in Biomedical Engineering are encouraged to complete the following courses in high school.

One year of High School Algebra II and Trigonometry **OR**

- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry **OR**
- MATH 1555 College Algebra and Trigonometry

One year High School Physics **OR**

- PHY 1003 Introduction to Physics

Biomedical Engineering.....

Biology11

Required courses:

- BIO 1204 Biology I for Majors
- 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
- ENGR 1311 Introduction to Biomedical Engineering
- ENGR 2033 Statics
- ENGR 2043 Dynamics
- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Laboratory
- ENGR 3203 Thermodynamics
- ENGR 3222 Digital Logic Design and Laboratory
- ENGR 3302 Engineering Experimentation
- ENGR 3323 Signals and Systems & Laboratory

	Minimum Required Hours
ENGR 3404 Analog Electronics and Laboratory	
ENGR 4113 Principles of Biomedical Engineering	
ENGR 4132 Biomedical Engineering Laboratory	
ENGR 4223 Biomedical Imaging	
ENGR 4233 Biomedical Instrumentation	
ENGR 4343 Biomechanics	
ENGR 4412 Senior Engineering Design I	
ENGR 4422 Senior Engineering Design II	

Mathematics 14-15

Required courses:

- MATH 2305 Accelerated Calculus 1 and 2 **OR**
- MATH 2313 Calculus 1 **AND**
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations

Physics..... 8

Required courses:

- PHY 2014 Physics for Scientists and Engineers I and Laboratory
- ^ PHY 2114 Physics for Scientists and Engineers II and Laboratory

^ A grade of "C" or better must be earned in PHY 2114.

Biomedical Engineering Elective 3

Any 3000/4000 level PHY or ENGR course with the following exceptions: PHY 3014, 3044, 3054 or 3503.

Complete all the courses from one of the following concentrations:

..... **9-11**

Concentration A: (courses in preparation for Pre-Med fields)

- CHEM 1223 General Chemistry II
- CHEM 1232 General Chemistry II Laboratory
- CHEM 3303 Organic Chemistry I
- CHEM 3323 Organic Chemistry II

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 -

Concentration B: (courses in preparation for Instrumentation fields)

PHY	3103	Modern Physics
ENGR	3183	Electromagnetic Fields I
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:

CHEM	3403	Biochemistry
ENGR	3443	Fluid Mechanics

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses.....5-9
 Minimum Required Hours

Required Courses:

- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry **OR**
- MATH 1555 College Algebra and Trigonometry **OR**
- High School Equivalent
- High School Physics **OR**
- PHY 1003 Introduction to Physics

Chemistry.....68

Common Core 45

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 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
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- PHY 2014 Physics for Scientists and Engineers I and Lab
- PHY 2114 Physics for Scientists and Engineers II and Lab

Advanced Chemistry 23

Required courses: 14

- CHEM 3503 Physical Chemistry I
- CHEM 3513 Physical Chemistry II
- CHEM 3602 Experimental Physical Chemistry
- CHEM 4454 Advanced Instrumental Analysis and Lab
- CHEM 4502 Directed Research and Lab

Chemistry Electives 9

(3000/4000 level; CHEM 3203 will not apply)

Electives to bring total to..... 124
 Minimum Required Hours

The following are highly recommended:

- CHEM 3343 Communication and Careers in Chemistry
- CHEM 3403 Biochemistry I
- 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses 5-9
 Required Courses:
 MATH 1513 College Algebra **AND**
 MATH 1593 Plane Trigonometry **OR**
 MATH 1555 College Algebra and Trigonometry **OR**
 High School Equivalent
 High School Physics **OR**
 PHY 1003 Introduction to Physics

Chemistry - ACS Certificate 74

Common Core 45

- 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 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
 - MATH 2313 Calculus 1
 - MATH 2323 Calculus 2
 - MATH 2333 Calculus 3
 - PHY 2014 Physics for Scientists and Engineers I and Lab
 - PHY 2114 Physics for Scientists and Engineers II and Lab

Advanced Chemistry ACS approved 29

- Required courses: 24
- CHEM 3403 Biochemistry I
 - CHEM 3503 Physical Chemistry I
 - CHEM 3513 Physical Chemistry II
 - CHEM 3602 Experimental Physical Chemistry
 - CHEM 4454 Advanced Instrumental Analysis and Lab
 - CHEM 4502 Directed Research and Lab

Minimum Required Hours

- CHEM 4603 Advanced Organic Chemistry
- CHEM 4654 Inorganic Chemistry and Lab
- Elective Chemistry or Physics (3000/4000 level) 5
 (Neither CHEM 3203 nor PHY 3014 will apply.)

Electives to bring total to 124

The following are highly recommended:

- CHEM 3343 Communications and Careers in Chemistry
- 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses 5-6
 Minimum
 Required Hours

Required Courses:

MATH 1513 College Algebra **AND**

MATH 1593 Plane Trigonometry **OR**

MATH 1555 College Algebra and Trigonometry **OR**
 High School Equivalent

Electives to bring total to 124
 Minimum
 Required Hours

Chemistry - Health Sciences 76

Common Core 54

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 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

BIO 1204 Biology I for Majors

BIO 1225 Biology II for Majors and Lab

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 22

Required courses: 16

BIO 3054 Microbiology for Majors and Lab

CHEM 3203 Introductory Physical Chemistry

CHEM 3403 Biochemistry I

CHEM 3442 Experimental Biochemistry

PHY 3044 Medical Physics and Laboratory

Elective Chemistry (3000/4000 level) 6

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 pages 61-62 of the 2010-2011 catalog.

Program: **Clinical Lab Science/Med-Tech**
 Major: **Clinical Lab Science/Med-Tech**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Biology**
 College: **Mathematics and Science**
 Major Code: **6030**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Course 0-3

Students majoring in Clinical Lab Science/Med-Tech are encouraged to complete the following courses in high school.

Two years of high school algebra **OR**

MATH 1513 College Algebra

Clinical Lab Science/Med-Tech 87

Students may earn the Bachelor of Science degree in Clinical Lab Science/Med-Tech from the University of Central Oklahoma 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 46

Required courses:

BIO 1204 Biology I for Majors

BIO 1225 Biology II for Majors and Lab

BIO 2203 Cell Biology

BIO 2604 Human Physiology and Lab

BIO 3054 Microbiology for Majors and Lab

BIO 3303 Genetics

BIO 3515 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 5

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 4413 Virology and Lab

BIO 4603 Advanced Mammalian Physiology I

BIO 4613 Advanced Mammalian Physiology II

BIO 4773 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 approved affiliate Hospital Medical Technology Program and satisfactorily complete the following courses through the University of Central Oklahoma.

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 Clinical Lab Science/Medical Technology 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 four affiliated hospitals. Acceptance into a hospital program is highly competitive.

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses.....0-12

Students majoring in Computer Science are encouraged to complete the following courses in high school.

High School Physics **OR**

PHY 1003 Introduction to Physics

Advanced Placement High School Programming Course **OR**

CMSC 1513 Beginning Programming

One year of High School Algebra II and Trigonometry **OR**

MATH 1513 College Algebra **AND**

MATH 1593 Plane Trigonometry **OR**

MATH 1555 College Algebra and Trigonometry

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.)

Computer Science85

Required..... 73

^ CMSC 1613 Programming I

^ CMSC 2123 Discrete Structures

^ CMSC 2613 Programming II

^ CMSC 2833 Computer Organization I

^ CMSC 3103 Object Oriented Programming

^ CMSC 3833 Computer Organization II

^ CMSC 3613 Data Structures

^ CMSC 4003 Applications Database Management

^ CMSC 4023 Programming Languages

^ CMSC 4153 Operating Systems

^ CMSC 4273 Theory of Computing

^ CMSC 4283 Software Engineering

^ 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 3103 Statistical Methods I **OR**

STAT 4113 Mathematical Statistics I

PHY 2014 Physics for Scientists & Engineers I and Lab

PHY 2114 Physics for Scientists & Engineers II and Lab

BIO 1214 General Biology and Laboratory

MCOM 1113 Fundamentals of Speech

ENG 4023 Technical Writing

^ A grade of 'C' or better must be earned in CMSC 1613, 2123, 2613, 2833, 3103, 3613, 3833, 4003, 4023, 4153, 4273, 4283, 4401, 4513 and MATH 2313, 2323, 2333, 3143.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective courses 12

Any 3000/4000 level CMSC course

No more than three (3) hours of Internship may be used to satisfy the CMSC elective requirement.

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

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

One year of High School Algebra II and Trigonometry **OR**
 MATH 1513 College Algebra **AND**
 MATH 1593 Plane Trigonometry **OR**
 MATH 1555 College Algebra and Trigonometry

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.)

Computer Science - Applied.....54

Required..... 51

- ^ CMSC 1613 Programming I
- ^ CMSC 1713 COBOL **OR**
- ^ CMSC 2413 Visual Programming
- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2613 Programming II
- ^ CMSC 2833 Computer Organization I
- ^ CMSC 3103 Object Oriented Programming
- ^ CMSC 3303 System Analysis and Design **OR**
- ^ CMSC 4283 Software Engineering
- ^ CMSC 3613 Data Structures
- ^ CMSC 4003 Applications Database Management
- ^ CMSC 4023 Programming Languages
- ^ CMSC 4153 Operating Systems
- ^*CMSC 4513 Software Design and Development
- ^ MATH 2313 Calculus 1
- ^ MATH 2323 Calculus 2
- STAT 3103 Statistical Methods I **OR**
- STAT 4113 Mathematical Statistics I
- MCOM 1113 Fundamentals of Speech
- ENG 4023 Technical Writing

^ A grade of 'C' or better must be earned in CMSC 1613, (1713 OR 2413), 2123, 2613, 2833, 3103, (3303 OR 4283), 3613, 4003, 4023, 4153, 4513 and MATH 2313, 2323.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective 3000/4000 level Computer Science course..... 3

Minor..... 18

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. If any of the courses listed among the 54 hours above is required for the second major, then (subject to academic policy) replacement course(s) will be selected by the Chair of the department in which the student is taking the second major.

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

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

One year of High School Algebra II and Trigonometry **OR**

MATH 1513 College Algebra **AND**

MATH 1593 Plane Trigonometry **OR**

MATH 1555 College Algebra and Trigonometry

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.)

Computer Science - Information Science..... 78

Required..... 69

- ^ CMSC 1613 Programming I
- ^ CMSC 1713 COBOL
- ^ CMSC 2123 Discrete Structures
- ^ CMSC 2413 Visual Programming
- ^ CMSC 2613 Programming II
- ^ CMSC 2833 Computer Organization I
- ^ CMSC 3103 Object Oriented Programming
- ^ CMSC 3303 Systems Analysis and Design
- ^ CMSC 3413 Advanced Visual Programming
- ^ CMSC 3613 Data Structures
- ^ CMSC 4003 Applications Database Management
- ^ CMSC 4063 Networks
- ^ CMSC 4153 Operating Systems
- ^* CMSC 4513 Software Design and Development
- ^ MATH 2313 Calculus 1
- ^ MATH 2323 Calculus 2

Minimum Required Hours

- STAT 3103 Statistical Methods I **OR**
- STAT 4113 Mathematical Statistics I
- MCOM 1113 Fundamentals of Speech
- ENG 4023 Technical Writing
- ACCT 2113 Accounting I
- ACCT 2133 Accounting II
- MGMT 3103 Management and Organizational Behavior
- ISOM 3263 Management Information Systems

^ A grade of 'C' or better must be earned in CMSC 1613, 1713, 2123, 2413, 2613, 2833, 3103, 3303, 3413, 3613, 4003, 4063, 4153, 4513 and MATH 2313, 2323.

* CMSC 4513 is recommended to be taken in the last semester prior to graduation.

Elective 3000/4000 level Computer Science courses 3

Other areas of application..... 6

Selected from the following:

- ACCT 3113 Managerial Accounting
- ACCT 3433 Accounting Information Systems
- FIN 3563 Fundamentals of Business Finance
- ISOM 4063 Computer Simulation
- ISOM 4283 Developing Decision Support Systems
- ISOM 4363 Information Systems Management

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 pages 61-62 of the 2010-2011 catalog.

Program: **Engineering Physics**
 Major: **Engineering Physics - Electrical Systems**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Engineering and Physics**
 College: **Mathematics and Sciences**
 Major Code: **6245**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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	
Support Courses.....	9-19	
PHIL 1123		Contemporary Moral Problems
ECON 1103		Introduction to Economics
FMKT 2323		Global Protocol and Diversity (or Foreign Language)

Students majoring in the Engineering Physics program are encouraged to complete the following courses in high school.

One year of High School Algebra II and Trigonometry **OR**

- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry **OR**
- MATH 1555 College Algebra and Trigonometry

One year of high school physics **OR**

- PHY 1003 Introduction to Physics

Engineering Physics - Electrical Systems93-94

Physics 14

Required courses:

- PHY 2014 Physics for Scientists and Engineers I and Lab
- PHY 2114 Physics for Scientists and Engineers II and Lab
- PHY 3103 Modern Physics
- PHY 3883 Mathematical Physics I

Engineering 54

Required courses:

- ENGR 1112 Introduction to Engineering and Laboratory
- ENGR 1213 Engineering Computing and Laboratory
- ENGR 2033 Statics
- ENGR 2043 Dynamics
- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Laboratory
- ENGR 3183 Electromagnetic Fields I
- ENGR 3203 Thermodynamics
- ENGR 3222 Digital Logic Design and Laboratory
- ENGR 3302 Engineering Experimentation
- ENGR 3323 Signals and Systems & Laboratory
- ENGR 3404 Analog Electronics and Laboratory
- ENGR 3413 Materials Science

- ENGR 3613 Microprocessors and Laboratory
- ENGR 3703 Computational Methods in Engineering
- ENGR 4323 Digital and Analog Communication
- ENGR 4333 Digital Signal Processing and Laboratory
- ENGR 4412 Senior Engineering Design I
- ENGR 4422 Senior Engineering Design II
- ENGR 4803 Electromechanical Systems and Applied
Mechatronics & Laboratory

Mathematics 14-15

Required courses:

- MATH 2305 Accelerated Calculus 1 and 2 **OR**
- MATH 2313 Calculus 1 **AND**
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations

Chemistry 5

Required courses:

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I Recitation/Lab

Engineering Electives 6

Select from the following:

- ENGR 3263 Introduction to Engineering Optics
- ENGR 3803 Electrical Power Systems
- ENGR 4183 Electromagnetic Fields II
- ENGR 4303 Control Systems
- ENGR 4613 Photonics
- ENGR 4633 Intro to Solid State Devices

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Program: **Engineering Physics** - continued
Major: **Engineering Physics - Electrical Systems**
Degree: Bachelor of Science (B.S.)

Dept: Engineering and Physics
College: Mathematics and Sciences
Major Code: 6245

- CONTINUED FROM PREVIOUS PAGE -

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 pages 61-62 of the 2010-2011 catalog.

Program: **Engineering Physics**
 Major: **Engineering Physics - Mechanical Systems**
 Degree: **Bachelor of Science (B.S.)**

Dept: **Engineering and Physics**
 College: **Mathematics and Science**
 Major Code: **6244**

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 89-90.

• 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	Minimum Required Hours
Support Courses.....9-19		
PHIL 1123 Contemporary Moral Problems		
ECON 1103 Introduction to Economics		
FMKT 2323 Global Protocol and Diversity (or Foreign Language)		
ENGR 3503 Mechanical Engineering Laboratory		
ENGR 3703 Computational Methods in Engineering		
ENGR 4123 Heat Transfer		
ENGR 4412 Senior Engineering Design I		
ENGR 4422 Senior Engineering Design II		
ENGR 4533 Thermal Systems Design		
ENGR 4803 Electromechanical Systems and Applied Mechatronics & Laboratory		

Students majoring in the Engineering Physics program are encouraged to complete the following courses in high school.

One year of High School Algebra II and Trigonometry **OR**

- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry **OR**
- MATH 1555 College Algebra and Trigonometry

One year of high school physics **OR**

- PHY 1003 Introduction to Physics

Engineering Physics - Mechanical Systems ...92-94

Physics 14

Required courses:

- PHY 2014 Physics for Scientists and Engineers I and Lab
- PHY 2114 Physics for Scientists and Engineers II and Lab
- PHY 3103 Modern Physics
- PHY 3883 Mathematical Physics I

Engineering 54

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 2303 Electrical Science
- ENGR 2311 Electrical Science Laboratory
- ENGR 3203 Thermodynamics
- ENGR 3302 Engineering Experimentation
- ENGR 3323 Signals and Systems & Laboratory
- ENGR 3363 Mechanical Engineering Design
- ENGR 3413 Materials Science
- ENGR 3443 Fluid Mechanics

Mathematics 14-15

Required courses:

- MATH 2305 Accelerated Calculus 1 and 2 **OR**
- MATH 2313 Calculus 1 **AND**
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations

Chemistry 5

Required courses:

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I Recitation/Lab

Physics or Engineering Electives 5-6

Selected from the following:

- ENGR 3222 Digital logic Design and Laboratory
- ENGR 4103 Finite Element Analysis
- ENGR 4303 Control Systems
- ENGR 4313 Fluid Dynamics
- ENGR 4343 Biomechanics
- PHY 4163 Analytical Mechanics

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Program: **Engineering Physics** - continued
Major: **Engineering Physics - Mechanical Systems**
Degree: Bachelor of Science (B.S.)

Dept: Engineering and Physics
College: Mathematics and Science
Major Code: 6244

- CONTINUED FROM PREVIOUS PAGE -

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

- 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
Support Courses.....	9-19
PHIL 1123 Contemporary Moral Problems	
ECON 1103 Introduction to Economics	
FMKT 2323 Global Protocol and Diversity (or Foreign Language)	

Students majoring in the Engineering Physics program are encouraged to complete the following courses in high school.

One year of High School Algebra II and Trigonometry **OR**

- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry **OR**
- MATH 1555 College Algebra and Trigonometry

One year of high school physics **OR**

- PHY 1003 Introduction to Physics

Engineering Physics - Physics 95-96

Physics 23

Required courses:

- PHY 2014 Physics for Scientists and Engineers I and Lab
- PHY 2114 Physics for Scientists and Engineers II and Lab
- PHY 3103 Modern Physics
- PHY 3883 Mathematical Physics I
- PHY 4003 Mathematical Physics II
- PHY 4163 Analytical Mechanics **OR**
- ENGR 4183 Electromagnetic Fields II
- PHY 4173 Classical Mechanics **OR**
- PHY 4203 Quantum Mechanics

Engineering 49

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 2303 Electrical Science
- ENGR 2311 Electrical Science Laboratory
- ENGR 3183 Electromagnetic Fields I
- ENGR 3203 Thermodynamics
- ENGR 3263 Introduction to Engineering Optics

	Minimum Required Hours
ENGR 3302 Engineering Experimentation	
ENGR 3323 Signals and Systems & Laboratory	
ENGR 3404 Analog Electronics and Laboratory	
ENGR 3443 Fluid Mechanics	
ENGR 3703 Computational Methods in Engineering	
ENGR 4412 Senior Engineering Design I	
ENGR 4422 Senior Engineering Design II	
ENGR 4633 Introduction to Solid State Devices	

Mathematics 14-15

Required courses:

- MATH 2305 Accelerated Calculus 1 and 2 **OR**
- MATH 2313 Calculus 1 **AND**
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3103 Differential Equations

Chemistry 5

Required courses:

- CHEM 1103 General Chemistry I
- CHEM 1112 General Chemistry I Recitation/Lab

Physics or Engineering Electives 4

Any 3000 or 4000 level PHY or ENGR course with the following exceptions: PHY 3014, PHY 3044, PHY 3054, or PHY 3503.

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 (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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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**

Funeral Service..... 66

Required Course 5

ACCT 2223 Survey of Accounting **OR**

ACCT 2113 Accounting I

* FNRL 4522 Board Review

Basic Sciences 15

Required courses:

BIO 2314 Introductory Microbiology and Lab

CHEM 1014 Introductory Chemistry and Lab

FNRL 2214 Elementary 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 and Funeral Directing

Mortuary Administration..... 26

Required courses:

FNRL 1211 Orientation to Funeral Service

FNRL 2313 Contemporary Funeral Service

FNRL 3374 Funeral Home Management I

FNRL 3383 Funeral Service Statutory Law

FNRL 3393 Mortuary Jurisprudence

FNRL 3492 Counseling in Funeral Service

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

**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
pages 61-62 of the 2010-2011 catalog.**

The American Board of Funeral Service Education (ABFSE), the national accreditation agency for all schools of mortuary education, has implemented a new criterion for all graduates. As of January 2004, all graduating seniors must take the National Board Examination as a requirement for the B.S. in Funeral Service. The annual passage rate of first-time takers on the National Board Examination (NBE) for the most recent three-year period for this institution and all ABFSE accredited funeral service education programs is posted on the ABFSE website (www.abfse.org).

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) 3414 Ashland Avenue, Suite G, St. Joseph, Missouri 64506 (816)233-3747 www.abfse.org.

The Department of Funeral Service has as its central aim recognition of the importance of funeral service education personnel as:

1. Members of a human services profession.
2. Members of the community in which they serve.
3. Participants in the relationship between bereaved families and those engaged in the funeral service profession.
4. Professionals knowledgeable of and compliant with federal, state, provincial/territorial, and local regulatory guidelines (in the geographic area where they practice).
5. Professionals sensitive to the responsibility for public health, safety, and welfare in caring for human remains.

Department of Funeral Service Objectives

1. To enlarge the background and knowledge of students about the funeral service profession.
2. To educate students in every phase of funeral service and to help enable them to develop proficiency and skills necessary for the profession, as defined in the Preamble above.
3. To educate students concerning the responsibilities of the funeral service progression to the community at large.
4. To emphasize high standards of ethical conduct.
5. To provide a curriculum at the post- secondary level of instruction.
6. To encourage student and faculty research in the field of funeral service.

Admission to this program has special requirements. See page 53 of the 2010-2011 catalog for selective admission criteria.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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**

Prerequisite Courses 0-6

- MATH 1513 College Algebra or High School Algebra II **AND**
- MATH 1593 Plane Trigonometry or High School Trigonometry
- OR**
- MATH 1555 College Algebra and Trigonometry or the equivalent of these courses at other institutions.

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.)

Mathematics 47

Required 30

- MATH 1643 Introduction to Engineering with Computer Applications **OR**
- MATH 1743 Technology and Mathematics
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- 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 I

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 II

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 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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.
 • 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
Prerequisite Courses.....	0-6
MATH 1513 College Algebra or High School Algebra II AND	
MATH 1593 Plane Trigonometry or High School Trigonometry	
OR	
MATH 1555 College Algebra and Trigonometry or the equivalent of these courses at other institutions.	

	Minimum Required Hours
Electives to bring total to.....	124

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.)

It is strongly recommended that PHY 1114 General Physics I and Lab be taken in the general education pattern.

Mathematics - Applied Mathematics 47

Required courses..... 27

- MATH 1643 Introduction to Engineering with Computer Applications **OR**
- MATH 1743 Technology and Mathematics
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- MATH 3113 Foundations of Advanced Math
- MATH 3143 Linear Algebra
- MATH 3183 Introduction to Modern Algebra
- MATH 4143 Introduction to Analysis 1

Applied Mathematics..... 20

Required courses:

- MATH 3103 Differential Equations
- MATH 3263 Numerical Analysis I
- MATH 4113 Introduction to Operations Research I
- STAT 3103 Statistical Methods I
- STAT 4113 Mathematical Statistics I
- Any 3000 and 4000 level MATH or STAT course

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Prerequisite Courses 0-6

- MATH 1513 College Algebra or High School Algebra II **AND**
- MATH 1593 Plane Trigonometry or High School Trigonometry
- OR**
- MATH 1555 College Algebra and Trigonometry or the equivalent of these courses at other institutions.

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.)

Mathematics - Statistics..... 53

The following courses 32

- Required..... 27
- MATH 1643 Introduction to Engineering with Computer Applications **OR**
- MATH 1743 Technology and Mathematics
- MATH 2313 Calculus 1
- MATH 2323 Calculus 2
- MATH 2333 Calculus 3
- MATH 2343 Calculus 4
- 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

Electives..... 5
 Selected from 3000 and 4000 level MATH courses.

Statistics 21

- Required Courses:
- STAT 3103 Statistical Methods I
 - STAT 4103 Applied Experimental Design
 - STAT 4113 Mathematical Statistics I
 - STAT 4123 Mathematical Statistics II
 - STAT 4213 Applied Regression Analysis
 - MATH 4253 Computer Applications in Statistics
 - MATH 4303 Nonparametric Statistics

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 pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses..... 9
 MCOM 2023 Communication for Teachers
 ENG 1113 English Composition
 ENG 1213 English Composition and Research

Prerequisite Courses 0-6
 MATH 1513 College Algebra or High School Algebra II **AND**
 MATH 1593 Plane Trigonometry or High School Trigonometry
OR
 MATH 1555 College Algebra and Trigonometry or the
 equivalent of these courses at other institutions.

Mathematics Education..... 41-42

Required courses 39
 MATH 1743 Technology and Mathematics
 MATH 2313 Calculus 1
 MATH 2323 Calculus 2
 MATH 2333 Calculus 3
 MATH 2343 Calculus 4
 MATH 3113 Foundations of Advanced Mathematics
 MATH 3123 College Geometry
 MATH 3143 Linear Algebra
 MATH 3163 Elementary Number Theory
 MATH 3183 Introduction to Modern Algebra
 MATH 4483 History of Mathematics
 STAT 3103 Statistical Methods I
 STAT 4113 Mathematical Statistics I

Mathematics Electives 2-3

- Select at least one of the following:
- MATH 3103 Differential Equations
 - MATH 4143 Introduction to Analysis 1
 - MATH 4960 Institute in Mathematics (2 hours)

Professional Education 31

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers

	Minimum Required Hours	Minimum Required Hours
^MATH 4843 Teaching Secondary Mathematics		
^**PTE 4172 Educational Assessment		
^**PTE 4533 Educational Psych/Field Experience		
^#PTE 4811 Contemporary Issues		
^#PTE 4838 Student Teaching Secondary		
^#PTE 4853 Classroom Management & Instruction		
^ Admission to Teacher Education required		
** To be taken the same semester		
#To be taken the same semester		

Electives to bring total to..... 124

It is strongly recommended that students complete a two-semester sequence in physics (PHY 1114/1214 - General Physics I/II and laboratory) or computer science (CMSC 1613/2613 - Programming I/II). Students planning to do graduate work should take MATH 4143, Introduction to Analysis 1.

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education, and area of specialization (major) "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Nursing..... 98

The UCO nursing program is accredited by the **National League for Nursing Accrediting Commission and approved by the Oklahoma Board of Nursing. Graduates of this state approved program are eligible to apply to write the National Council Licensure Examination (NCLEX) for registered nurses.

Pre-Professional 39

The following courses:

- CHEM 1014 Introductory Chemistry and Lab
- BIO 1114 or 1214 General Biology (and Lab) **OR**
- BIO 1404 Animal Biology and Lab **OR**
- BIO 1204 Biology I for Majors
- 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 3103 Statistical Methods I **OR**
- ECON 2303 Statistics for Healthcare **OR**
- STAT 2103 Introduction to Statistics for Sciences
- PHIL 1103 Logic and Critical Thinking **OR**
- PHIL 1123 Contemporary Moral Problems
- NURS 1221 Introduction to Nursing
- NURS 2113 Individual and Family Development Through the Lifespan

Professional..... 59

The following courses:

- NURS 2101 Success in Nursing I
- NURS 2206 Foundations of Nursing
- NURS 3202 Introduction to Pharmacology
- NURS 3307 Adult Medical-Surgical Nursing I

	Minimum Required Hours		Minimum Required Hours
NURS 3314		Maternal-Newborn Nursing	
NURS 3324		Pediatric/Child Health Nursing	
NURS 3333		Psychiatric/Mental Health Nursing	
NURS 3344		Adult Med/Surg Nursing II	
NURS 3421		Success in Nursing II	
NURS 3431		Success in Nursing III	
NURS 4134		Community Health Nursing	
NURS 4146		High Acuity Nursing	
NURS 4153		Research/Evidence-Based Practice	
NURS 4324		Care of Vulnerable Individuals	
NURS 4412		Leadership/Management	
NURS 4431		Success in Nursing IV	
NURS 4514		Professional Nursing Practice	
NURS 4532		Success in Nursing V	

The number of credits needed to meet degree requirements may exceed 124 hours and will vary according to course selection.

- CONTINUED ON NEXT PAGE -

Program: **Nursing** - continued
 Major: **Nursing**
 Degree: Bachelor of Science (B.S.)

Dept: Nursing
 College: Mathematics and Science
 Major Code: 6200

- CONTINUED FROM PREVIOUS PAGE -

Admission to Upper Division of Nursing

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 courses. 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.

In selection of candidates, the faculty are guided by the following criteria:

- A. 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. Students may enroll a maximum of two times in any nursing course.
- C. References by three professors under whom the student has had recent instruction.
- D. Score on the Test of Essential Academic Skills (TEAS).
- E. A criminal background check.
- F. Meet "Performance Standards for Admission and Progression in the Department of Nursing".
- G. Nursing courses (after admission to the program) will begin with NURS 2101 and NURS 2206. NURS 1221 and NURS 2113 may be taken prior to, or concurrently with NURS 2101 and NURS 2206. All university core and pre-professional courses must be successfully completed prior to beginning Upper Division (3000 level) nursing courses.

International students (i.e. students for whom English is a second language regardless of resident status) must have a minimum TOEFL score of 530 on the written examination or equivalent on computer internet version.

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.

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 four lower division nursing courses (NURS 1221 - Introduction to Nursing, NURS 2206 - Foundations of Nursing, NURS 2113 - Individual and Family Development Through the Lifespan, and NURS 2101 Success in Nursing 1) must be completed at UCO before entering the junior year of nursing. Call the Department of Nursing for detailed information.

Career Ladder Students (R.N.s)

Registered nurses who have graduated from an NLNAC accredited associate degree program may be eligible for matriculation into the program without taking the extracurricular exams for the sophomore and junior

years provided certain criteria are met. For further information regarding these criteria, contact the nursing department. R.N.s who do not meet the matriculation criteria, may petition to take extracurricular exams for sophomore and junior level nursing courses. For more clarification or more information contact the Career Ladder Coordinator.

The senior level nursing courses, which focus on nursing research, community health, and leadership/management, must be completed at UCO. Individualized clinical experiences are jointly planned by students and faculty.

A conference with the Career Ladder Faculty Advisor or Chairperson of the Department of Nursing and a plan of study are required before beginning the program.

Progression in the Program

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.

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.
- G. Drug screening is required.

**National League for Nursing Accrediting Commission
 3343 Peachtree Road NE
 Suite 500
 Atlanta, GA 30326
 Phone: 404-975-5000
 Fax: 404-975-5020
 Website: www.nlnac.org

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

- 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 1513 | College Algebra OR |
| MATH 1593 | Plane Trigonometry |

Science Education - Biology65

- Biology..... 25**
- Required courses:
- | | |
|----------|---------------------------------|
| BIO 1204 | Biology I for Majors |
| BIO 1225 | Biology II for Majors and Lab |
| BIO 2203 | Cell Biology |
| 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 Scientists and Engineers I and Lab |
| PHY 1214 | General Physics II and Lab OR |
| PHY 2114 | Physics for Scientists and Engineers II and Lab |

Mathematics 6

- Required courses:
- | | |
|-----------|---|
| MATH 2153 | BioCalculus |
| STAT 2103 | Introduction to Statistics for Sciences |

Elective 3000/4000 Biology 16

- 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 2000 | Topics in Biology (1-4 hours) |
| BIO 3000 | Workshops (1-6 hours) |
| BIO 3990 | Advanced Topics in Biology (1-4 hours) |
| BIO 4900 | Practicum in Biology (1-4 hours) |
| BIO 4930 | Individual Study in Biology (1-4 hours) |
| BIO 4950 | Internship in Biology (1-8 hours) |
| BIO 4960 | Institute in Biology (1-8 hours) |
| BIO 4970 | Study Tour in Biology (1-2 hours) |

Professional Education31

- | | |
|-------------|---|
| PTE 3023 | Foundations of American Education/Field Exp |
| PTE 3153 | Adolescent Psychology |
| SPED 4123 | Teaching Individuals with Disabilities |
| IME 3312 | Technology for Teachers |
| ^BIO 4853 | General Methods of Teaching Science and Lab |
| ^**PTE 4172 | Educational Assessment |
| ^**PTE 4533 | Educational Psych/Field Experience |
| ^#PTE 4811 | Contemporary Issues |
| ^#PTE 4838 | Student Teaching Secondary |
| ^#PTE 4853 | Classroom Management & Instruction |

^ Admission to Teacher Education required
 ** To be taken the same semester
 #To be taken the same semester

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Graduating seniors must take a national assessment exam in Biology as a degree requirement for the B.S.Ed. in Science Education - Biology.

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

- CONTINUED FROM PREVIOUS PAGE -

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education,
and area of specialization (major) "C"
3. Proficiency in foreign language Novice 4 level

**For other regulations pertaining to graduation, see
pages 61-62 of the 2010-2011 catalog.**

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

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 1513 College Algebra **OR**

MATH 1593 Plane Trigonometry

Science Education - Chemistry65

Science Education Core 37

Biology 9

Required courses:

BIO 1204 Biology I for Majors

BIO 1225 Biology II for Majors and Lab

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 Scientists and Engineers I and Lab

PHY 1214 General Physics II and Lab **OR**

PHY 2114 Physics for Scientists and Engineers II and Lab

Earth Science 4

PHY 3014 Earth Science

History and Nature of Science 3

BIO 4103 History and Nature of Science

Mathematics 3

STAT 2103 Introduction to Statistics for Sciences

Science Education - Chemistry 28

Required Courses 15

CHEM 2104 Quantitative Analysis and Lab

CHEM 3303 Organic Chemistry I

CHEM 3312 Organic Chemistry I Lab

CHEM 3323 Organic Chemistry II

CHEM 3203 Introductory Physical Chemistry

Elective Courses 13

Any 3/4000 level Biology, Chemistry, Physics or Math courses

Professional Education 31

PTE 3023 Foundations of American Education/Field Exp

PTE 3153 Adolescent Psychology

SPED 4123 Teaching Individuals with Disabilities

IME 3312 Technology for Teachers

^BIO 4853 General Methods of Teaching Science and Lab

^**PTE 4172 Educational Assessment

^**PTE 4533 Educational Psych/Field Experience

^#PTE 4811 Contemporary Issues

^#PTE 4838 Student Teaching Secondary

^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

** To be taken the same semester

#To be taken the same semester

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75

2. In courses in English Composition, Professional Education, and area of specialization (major) "C"

3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

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 1513 College Algebra **OR**
- MATH 1593 Plane Trigonometry

Science Education - General Science.....62-63

Science Education Core 34

Biology 9

Required courses:

- BIO 1204 Biology I for Majors
- BIO 1225 Biology II for Majors and Lab

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 Scientists and Engineers I and Lab
- PHY 1214 General Physics II and Lab **OR**
- PHY 2114 Physics for Scientists and Engineers 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..... 28-29

Required courses:

- BIO 2203 Cell Biology
- BIO 3054 Microbiology for Majors and Lab
- BIO 3543 General Ecology
- BIO 3703 Evolution
- CHEM 2104 Quantitative Analysis and Lab
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- PHY 3503 Elementary Meteorology

Choose from one of the following:

- PHY 1003 Introduction to Physics
- PHY 1304 Descriptive Astronomy
- PHY 3054 Introduction to Modern Physics & Lab
- PHY 3103 Modern Physics

Professional Education 31

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psych/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

** To be taken the same semester

#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

**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 Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education,
and area of specialization (major) "C"
3. Proficiency in foreign language Novice 4 level

For other regulations pertaining to graduation, see pages 61-62 of the 2010-2011 catalog.

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

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 1513 College Algebra **OR**
- MATH 1593 Plane Trigonometry

Science Education - Physical Science 65

Science Education Core 37

Biology 9

Required courses:

- BIO 1204 Biology I for Majors
- BIO 1225 Biology II for Majors and Lab

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 Scientists and Engineers I and Lab
- PHY 1214 General Physics II and Lab **OR**
- PHY 2114 Physics for Scientists and Engineers II and Lab

Earth Science 4

Required course:

- PHY 3014 Earth Science

Mathematics 3

Required course:

- STAT 2103 Introduction to Statistics for Sciences

Minimum Required Hours

History and Nature of Science 3

Required course:

- BIO 4103 History and Nature of Science

Science Education - Physical Science 28

Required courses 21

- CHEM 2104 Quantitative Analysis and Lab
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- PHY 1003 Introduction to Physics
- PHY 1304 Descriptive Astronomy
- PHY 3503 Elementary Meteorology
- ENGR 1112 Introduction to Engineering and Lab

Elective Science 7

Select from the following:

- CHEM 3323 Organic Chemistry II
- CHEM 3203 Introductory Physical Chemistry
- ENGR 2303 Electrical Science
- ENGR 2311 Electrical Science Lab
- ENGR 3263 Introduction to Engineering Optics
- ENGR 3404 Analog Electronics and Lab
- PHY 3044 Medical Physics and Lab
- PHY 3103 Modern Physics
- PHY 4910 Seminar in Physics (1 - 3 hours)

Professional Education 31

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psych/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

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 -

^ Admission to Teacher Education required

** To be taken the same semester

#To be taken the same semester

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education,
and area of specialization (major) "C"
3. Proficiency in foreign language Novice 4 level

**For other regulations pertaining to graduation, see
pages 61-62 of the 2010-2011 catalog.**

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Support Courses.....14-15

- MCOM 2023 Communication for Teachers
- ENG 1113 English Composition
- ENG 1213 English Composition and Research
- MATH 1513 College Algebra **AND**
- MATH 1593 Plane Trigonometry **OR**
- MATH 1555 College Algebra and Trigonometry **OR**
High School Equivalent

Science Education - Physics64-65

Science Education Core..... 37

Biology 12

Required courses:

- BIO 1204 Biology I for Majors
- BIO 1304 Plant Biology and Lab
- BIO 1404 Animal Biology and Lab

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 Scientists and Engineers I and Lab
- PHY 2114 Physics for Scientists and Engineers II and Lab

Earth Science 4

Required course:

- PHY 3014 Earth Science

History and Nature of Science..... 3

Required course:

- BIO 4103 History and Nature of Science

Science Education - Physics 27-28

Math Courses 14-15

- MATH 2305 Accelerated Calculus 1 and 2 **OR**
- MATH 2313 Calculus 1 **AND**
- 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 3302 Engineering Experimentation
- ENGR 4412 Senior Engineering Design 1
- PHY 3103 Modern Physics

Professional Education 31

- PTE 3023 Foundations of American Education/Field Exp
- PTE 3153 Adolescent Psychology
- SPED 4123 Teaching Individuals with Disabilities
- IME 3312 Technology for Teachers
- ^BIO 4853 General Methods of Teaching Science and Lab
- ^**PTE 4172 Educational Assessment
- ^**PTE 4533 Educational Psych/Field Experience
- ^#PTE 4811 Contemporary Issues
- ^#PTE 4838 Student Teaching Secondary
- ^#PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required

** To be taken the same semester

#To be taken the same semester

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

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

- CONTINUED FROM PREVIOUS PAGE -

Minimum Graduation Requirements

1. Overall GPA in all college course work 2.75
2. In courses in English Composition, Professional Education,
and area of specialization (major) "C"
3. Proficiency in foreign language Novice 4 level

**For other regulations pertaining to graduation, see
pages 61-62 of the 2010-2011 catalog.**

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)

Specific courses within the University Core are listed on pages 89-90.

• 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

Forensic Science 30
Required Courses..... 11-13

FRSC 2503 Intro to Forensic Science

FRSC 4043 Crime Scene Processing

FRSC 4253 Forensic Science Analysis & Lab

FRSC 4900 Practicum in Forensic Science **OR**

FRSC 4930 Individual Study in Forensic Science **OR**

FRSC 4950 Internship in Forensic Science **OR**

FRSC 4970 Study Tour in Forensic Science

Other Required Courses..... 9

CJ 3423 Laws of Arrest, Search & Seizure

CJ 4313 Ethics and Testimony

STAT 2103 Intro to Statistics for Sciences **OR**

STAT 3103 Statistical Methods I **OR**

PSY 2753 Psychological Statistics **OR**

PSY 3713 Advanced Statistics **OR**

SOC 4043 Sociological Statistics **OR**

ECON 2173 Principles of Business Statistics

Electives 8-10

Select from the following or others as approved by the Forensic Science Undergraduate Coordinator to bring total hours in major to 30.

FRSC 2000 Topics in Forensic Science

FRSC 3000 Workshop in Forensic Science

FRSC 3990 Advanced Topics in Forensic Science

FRSC 4143 Crime Scene Reconstruction

FRSC 4313 Forensic Pathology and Anthropology

FRSC 4323 Forensic Toxicology & Lab

FRSC 4333 Forensic Molecular Biology & Lab

FRSC 4353 Firearm and Toolmark Analysis

FRSC 4413 Bloodstain Pattern Analysis

FRSC 4463 Digital Forensics

FRSC 4513 Forensic Chemistry & Lab

FRSC 4533 Forensic Microscopy & Lab

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

Minimum Required Hours

FRSC 4970 Study Tour in Forensic Science

FRSC 4980 Workshop in Forensic Science

MCOM 4443 Forensic Photography

Additional Major

All students completing a B.S. in Forensic Science must complete an additional major. 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 three mechanisms for earning the Forensic Science degree or major: (A) Earn a double major; (B) Earn a dual degree; (C) Earn a second bachelor's degree.

Electives to bring total to..... 124

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 pages 61-62 of the 2010-2011 catalog.

Minors

Minimum Requirements for Minors

Minimums for minors unless otherwise specified:

Total Hours	18
Upper Division Hours (3/4000 level)	6
Residency Hours	6
GPA	2.00

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 4243	Advanced Cost Accounting
ACCT 4283	Advanced Accounting

OR other approved courses.

Art

Art..... **18**

Minor Code: 1019

Required courses..... 9

ART 1023	Drawing I
ART 1063	2-D Fundamentals
ART 1043	Life Drawing

Select from the following..... 9

ART 1223	Black & White Photography
ART 3023	Ceramics: Basics and Beyond
ART 3033	Jewelry for Non-Majors
ART 3403	Woven Structural Basics
ART 3423	Intro Textile/Material Studies
ART 4343	Multicultural Art
ART 4433	Alternative Constructions
ART 4623	Adv Form and Surface Design

Art - Art History..... **18**

Minor Code: 1018

Required courses..... 9

ART 1023	Drawing I
ART 1153	Survey of Art History I
ART 2403	Survey of Art History II

Select from the following..... 9

DES 1213	History of Graphic Design I
DES 2513	History of Interior Design I
ART 3163	Photo Arts History
ART 4053	Native American Art
ART 4343	Multicultural Art
ART 4223	West African Art
ART 4233	Central African Art
ART 4363	Art by Women

ART 4703	Survey of Art History III
ART 4970	Art History Study Tour (2 hours)

Minimum GPA..... **2.50**

Biology

Biology..... **18**

Minor Code: 6019

Required courses..... 7

BIO 1114	General Biology OR
BIO 1214	General Biology OR
BIO 1204	Biology I for Majors
STAT 2103	Intro Statistics for Sciences

Elective Biology..... 11

Business Administration

Business Administration **18**

Minor Code: 2099

Business Administration 18

Selected from the following:

ACCT 2223	Survey of Accounting
ECON 2103	Principles of Microeconomics
ECON 2203	Principles of Macroeconomics
ISOM 3263	Management Information Systems
ISOM 3363	Implementing End User Systems
LS 3113	Legal Environment of Business
MGMT 3103	Management & Organizational Behavior
MRKT 3013	Principles of Marketing

Chemistry

Chemistry **20**

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

Community Health

Community Health **20**

Minor Code: 3119

Required Theory courses 20

HLTH 1112	Healthy Life Skills
HLTH 2203	Introduction to Community Health
HLTH 4103	Human Development
HLTH 3203	Prevention and Control of Disease
HLTH 3263	Consumer Health and Mass Media OR
HLTH 3403	Leadership and Value Formation
HLTH 4203	Health Assessment and Evaluation
HLTH 4433	Community Intervention

Minors - continued

Computer Science

Computer Science 18

Minor Code: 6119

Required courses 15

CMSC	1613	Programming I
CMSC	2123	Discrete Structures
CMSC	2613	Programming II
CMSC	2833	Computer Organization I
CMSC	3613	Data Structures

Elective Computer Science (3/4000 level) 3

Criminal Justice

Criminal Justice 18

Minor Code: 5299

Choose any eighteen (18) hours of the following:

SOC	2103	Sociology
FRSC	2503	Introduction to Forensic Science
SOC	3103	Juvenile Delinquency
CJ	3423	Laws of Arrest, Search, and Seizure OR
POL	2203	Introduction to Law OR
POL	3103	Constitutional Law Organization and Powers OR
POL	3203	Civil Liberties and the Courts
POL	3583	Urban Government and Policy
SOC	3633	Criminology
CJ	3643	Administration of Justice
CJ	3653	Police Administration and Organization
CJ	4003	Community Oriented Policing
CJ	4703	Administration of Correctional Institutions
CJ	4900	Practicum (4 hours)
CJ	4033	Critical Issues in Criminal Justice
CJ	4063	Innovations in Corrections and Penology

Minimum GPA..... 2.50

Design

Design - Graphic Design 24

Minor Code: 1059

Required courses 14

DES	1023	Design Foundations I
DES	1033	Design Foundations II
DES	1043	Design Foundations III
DES	1053	Design Foundations IV
DES	2122	Graphic Design I

Elective courses in Design (DES)..... 10

Minimum GPA..... 2.50

Design - Illustration 23

Minor Code: 1058

Required courses 23

DES	1023	Design Foundations I
DES	1033	Design Foundations II
DES	1043	Design Foundations III
DES	1053	Design Foundations IV
DES	2152	Illustration I
DES	3853	Illustration II
DES	4353	Illustration III
DES	3613	Airbrush OR
DES	3263	Cartooning OR
DES	4363	Sequential Illustration

Engineering Physics

Engineering Physics 18

Minor Code: 6259

Required courses 14-15

PHY	2014	Physics for Scientists and Engineers I and Lab
PHY	2114	Physics for Scientists and Engineers 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.

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

English

English - Creative Studies 18

Minor Code: 5058

Required courses 6

CSDY	3573	Fundamentals of Creative Writing I
CSDY	3583	Fundamentals of Creative Writing II

Electives: Creative Studies 6

Electives: English, Creative Studies 6

Minimum GPA..... 2.50

English..... 18

Minor Code: 5059

Elective English (excluding 1000 level courses)..... 18

Minimum GPA..... 2.50

Fashion Marketing

Fashion Marketing..... 18

Minor Code: 3079

Required Courses 15

FMKT	1303	Introduction to Textiles
FMKT	2113	Fashion Marketing
FMKT	3243	Fashion Advertising and Promotion
FMKT	4043	Apparel Entrepreneurship
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	4900	Fashion Marketing - Practicum (3 hours)

Minors - continued

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

Finance - Business Law 18

Minor Code: 2068

Required courses	9
LS 3113 Legal Environment of Business	
LS 4143 Law of Business Organizations	
LS 4223 Law of Commercial Transactions	

Elective courses

Selected from the following:

LS 4153 Contemporary Workplace Issues	
LS 4163 Law for E-Commerce	
LS 4173 Law of Real Property	
LS 4533 Law of International Business Transactions	
LS 4910 Seminar in Legal Studies	
BADM 3103 Business Ethics	
BCOM 4233 Business Proposals and Presentations	
PHIL 1103 Logic and Critical Thinking	
POL 3103 Constitutional Law - Governmental Powers	
POL 3263 International Law	
POL 3343 Administrative Law	
POL 4133 Judicial Process	

Or other courses approved by the Finance Department Chair

Finance - Insurance..... 18

Minor Code: 2069

Required courses	3
FIN 3523 Foundations of Insurance and Risk Management	

Elective courses

Selected from the following:

FIN 3513 Risk Management for the Firm	
FIN 3553 Property and Liability Insurance for the Firm	
FIN 3613 Life and Health Insurance	
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 I	
MATH 4233 Mathematics of Life Contingencies II	

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

Selected from the following:

FIN 2313 Personal Finance	
FIN 3423 Real Estate Practice	
FIN 3443 Real Estate Appraising	
FIN 3453 Real Estate Finance	
FIN 3563 Fundamentals of Business 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

Finance - Risk Management 18

Minor Code: 2078

Required courses

FIN 3513 Risk Management for the Firm	
FIN 4513 Public Sector Risk Management	
FIN 4523 Risk Control for the Firm	
FIN 4533 Risk Financing for the Firm	

Elective courses

Selected from the following:

FIN 4213 Investments	
FIN 4253 Intermediate Business Finance	
ECON 3203 Intermediate Microeconomics	
ECON 3653 Intermediate Macroeconomics	

Other courses approved by the Finance Department Chair

Geography

Geography 18

Minor Code: 5119

Required courses

GEO 1103 Introduction to Geography	
GEO 2303 Regional Geography of the World	

Elective Geography.....

Minimum GPA..... 2.50

History

History..... 18

Minor Code: 5139

Required courses

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).....

Minimum GPA..... 2.50

Human Environmental Sciences

Human Environmental Sciences 18

Minor Code: 3099

Elective Human Environmental Sciences

Select courses from each of the following areas:

FMCD, FMKT, NTRN

Minors - continued

Humanities

Humanities..... 18

Minor Code: 5199

Required courses.....	6
HUM 2113	General Humanities, Ancient Through Medieval
HUM 2223	General Humanities, Renaissance Through Modern

Electives..... 12

Select twelve (12) 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 3073	Native American Humanities
HUM 3083	Film Criticism
HUM 3113	Old Testament Humanities
HUM 3123	New Testament Humanities
HUM 3133	Ancient Greek Culture
HUM 3233	Ancient Roman Culture
HUM 4113	World Religions

When approved by the Humanities Director, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

Minimum GPA..... 2.50

Information and Operations Management

Information and Operations Management - Management Information Systems 20

Minor Code: 2119

Required courses..... 17

ISOM 2012	Personal Computer Productivity
ISOM 2313	Programming for Business Applications
ISOM 3263	Management Information Systems
ISOM 3363	Implementing End User Systems
ISOM 4263	Data Resource Management
ISOM 4163	Business Systems Analysis and Design

Elective courses 3

Select from the following:

ISOM 4283	Decision Support Systems
ISOM 4303	Business Application Architecture
ISOM 4333	Project Management
ISOM 4363	Information Systems Management
ISOM 4463	Business Data Communications
ACCT 3433	Accounting Information Systems
FIN 4353	Case/Comp Applic Fin

Leadership

Leadership 18

Minor Code: 7019

Required courses..... 9

LEAD 2213	Theories of Leadership
LEAD 3313	Leadership and Civic Engagement
LEAD 4213	Ethics and Leadership OR
POL 4253	Ethics in Public Service

Required capstone course 3

LEAD 4893	Civic Leadership Capstone
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Electives..... 6

Select from the following:

HLTH 3452	Group Dynamics
LEAD 1113	Introduction to Leadership
LEAD 1213	Leadership Development
LEAD 1320	Lessons in Leadership
LEAD 1333	Servant Leadership
LEAD 2523	Be a Leader: Act the Part
LEAD 3223	Leadership Studies for Transfers
LEAD 3513	Leadership Communication
MGMT 4623	The Art of Leadership
MLSC 2000	Leadership Lab
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

Minimum GPA..... 2.50

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:

MCOM 2193	Principles of Public Relations
Any MRKT course	

Marketing - Professional Selling..... 18

Minor Code: 2158

Required courses..... 15

MRKT 3013	Principles of Marketing
MRKT 3123	Personal Selling
MRKT 3143	Sales Management
MRKT 4323	Advanced Personal Selling
MRKT 4483	Business-to-Business Marketing

Elective courses 3

Selected from the following:

MRKT 4463	Integrated Marketing Communication
MRKT 4950	Internship in Marketing
BCOM 4113	Interpersonal Communication

Mass Communication

Mass Communication - Advertising..... 18

Minor Code: 5212

Required courses..... 15

MCOM 1133	Media Writing
MCOM 2063	Introduction to Brand Communication/Advertising
MCOM 2193	Principles of Public Relations
MCOM 3283	Print, Web, Copy and Design
MCOM 4883	Brand Communications Campaigns

Elective courses 3

Select any MCOM course

Minimum GPA..... 2.50

Minors - continued

Mass Communication - Communication 18

Minor Code: 5210

Required courses 9

- MCOM 2053 Introduction to Human Communications
- MCOM 2623 Communication Theory
- MCOM 3153 Communication Research

Elective courses 9

Select from the following courses:

- MCOM 1153 Voice and Diction
- MCOM 3053 Persuasion and Social Influence
- MCOM 3073 Relational Communication
- MCOM 3083 Intercultural Communication
- MCOM 3093 Presentation Techniques
- MCOM 3113 Nonverbal Communication
- MCOM 3173 Women's Rhetoric
- MCOM 3183 Political Communication
- MCOM 3373 Small Group Communication
- MCOM 3413 Conflict and Communication
- MCOM 3423 Communication and Gender
- MCOM 3523 Leadership Communication
- MCOM 4233 Family Communication
- MCOM 4453 Communication and Language

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

Minimum GPA..... 2.50

Mass Communication - Journalism 18

Minor Code: 5211

Required courses 12

- MCOM 1133 Media Writing
- MCOM 1143 News Reporting
- MCOM 3143 News Editing
- MCOM 4563 Media Law

Elective courses 6

Select any MCOM course

Minimum GPA..... 2.50

Mass Communication - Organizational Communication .. 18

Minor Code: 5209

Required courses 12

- MCOM 2153 Introduction to Organizational Communication
- MCOM 2623 Communication Theory
- MCOM 3093 Presentation Techniques
- MCOM 4113 Organizational Communication

Elective courses 6

Select from the following:

- MCOM 3153 Communication Research
- MCOM 4013 Workshop Organization and Leadership
- MCOM 4343 Corporate Promotion
- MCOM 4403 Interviewing Practices
- MCOM 4533 Health Communication

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

Minimum GPA..... 2.50

Mass Communication - Photographic Arts 18

Minor Code: 5213

Required courses 12

- MCOM 1123 Basic Photography

MCOM 2223 Basic Darkroom Procedures

MCOM 2543 Electronic Photography

MCOM 3293 Photographic Lighting

Elective courses 6

Selected from the following:

- MCOM 3133 Color Photography
- MCOM 3343 News Photography
- MCOM 4303 Large Format Photography
- MCOM 4323 Social Documentation
- MCOM 4443 Tech of Forensic Photography
- 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

Mass Communication - Public Discourse 18

Minor Code: 5215

Required courses 12

- MCOM 2323 Introduction to Public Discourse
- MCOM 3173 Women's Rhetoric
- MCOM 3183 Political Communication
- MCOM 3233 Gender, Race, Class and Media

Elective courses 6

Select from the following:

- MCOM 3053 Persuasion and Social Influence
- MCOM 3383 Argumentation
- MCOM 4623 Gays & Lesbians in Film/Media
- MCOM 4313 Women in Media
- MCOM 4433 Victims and the 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

Mass Communication - Public Relations..... 18

Minor Code: 5214

Required courses 15

- MCOM 1133 Media Writing
- MCOM 1143 News Reporting
- MCOM 2193 Principles of Public Relations
- MCOM 4163 Public Information Methods
- MCOM 4183 Public Relations Case Studies

Elective courses 3

Selected from the following:

- MCOM 1123 Basic Photography
- MCOM 2063 Introduction to Brand Communication/Advertising
- MCOM 2123 Magazine Industry
- MCOM 3143 News Editing
- MCOM 3333 Specialized Publications
- MCOM 4063 Feature Writing
- MCOM 4333 Newsletter Design

When approved by the Department Chair, Advanced Topics (3990), Seminars (4910), and Institutes (4960) may be taken as electives.

Minimum GPA..... 2.50

Minors - continued

Mathematics

Mathematics 18

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 in Mathematical Statistics or Statistical Methods.)	

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.....	6

Modern Languages

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

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
MUS 2210 Piano Proficiency Exam.....	0
Major Ensemble.....	4

*Those with piano as applied area will take voice, wind or stringed instrument.

Minimum GPA..... 2.50
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 1522 Jazz Theory & Analysis.....	
MUS 2633 Jazz History.....	
MPER 3341 Jazz Ensemble (must take four times).....	

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.

Nutrition

Nutrition..... 18

Minor Code: 3098

Required Courses.....	14
NTRN 1513 Introduction to Nutrition.....	
NTRN 2423 Introduction to Clinical Nutrition.....	
NTRN 3633 Life Span Nutrition.....	
NTRN 3662 Nutrition of Children.....	
NTRN 3863 Community Nutrition.....	

Elective Courses..... 4

NTRN 3131 Food Safety and Sanitation.....	
NTRN 4053 Application of Nutritional Care.....	
NTRN 4412 Societal Impact on Aging.....	
NTRN 4422 Nutrition of the Older Adult.....	

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.....	

Elective Philosophy 12

Selected from the following:

PHIL 2153 Ancient Philosophy.....	
PHIL 2173 Medieval Philosophy.....	
PHIL 3103 Ethical Theory.....	
PHIL 3133 Modern Philosophy.....	
PHIL 3143 Philosophy of Religion.....	
PHIL 3153 American Philosophic Thought.....	
PHIL 3163 Contemporary Philosophy.....	

Minimum GPA..... 2.50

Minors - continued

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
- 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

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
- LATN 2113 Intermediate Latin
- PHIL 2153 Ancient Philosophy
- PHIL 2173 Medieval Philosophy
- POL 4453 Ancient and Medieval Political Thought

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 4143 African Politics
- POL 4303 European Politics
- POL 4403 Asian Politics
- POL 4623 International Conflict
- POL 4633 Politics & the World Economy
- POL 4733 American Foreign Policy
- POL 4783 Political Violence
- POL 4813 Latin American Politics

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 Criminal Law and Procedure

- 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

Psychology

Psychology 18

Minor Code: 3319

Elective Psychology..... 18

Minors - continued

Secondary Science Education

Secondary Science Education 18

Minor Code: 6059

Required courses 18

- PTE 3023 Foundations of American Education/Field Exp
- PTE 4333 Meeting Students' Needs
- PTE 4432 Designing Instruction for Secondary Students
- PTE 4543 Managing Secondary Classrooms
- PTE 4623 Secondary Class Assessment
- BIO 4853 General Methods of Teaching Science and Lab
- * 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.

Sociology

Sociology 18

Minor Code: 5319

Required courses 9

- SOC 2103 Sociology
- SOC 2203 Social Problems
- SOC 2303 Social Psychology

Elective Sociology 9

Minimum GPA..... 2.50

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

Statistics

Statistics 18

Minor Code: 6178

Any 18 hours of Statistics

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

Interdisciplinary Minors - continued

Policy on Interdisciplinary Minors

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.

Minimums for minors unless otherwise specified:

Total Hours	18
Upper Division Hours (3/4000 level)	6
Residency Hours	6
GPA	2.00

American Indian Studies

American Indian Studies **18**

Minor Code: 5566

Required courses:..... 3

GEO 3323 Intro American Indian Studies

Elective I..... 3-6

Select at least three hours from the following:

- ENG 4463 American Indian Literature
- ENG 4493 American Indian Authors
- ENG 4813 American Indian Youth Literature
- ENG 4873 American Indian Film

Elective II..... 3-6

Select at least three hours from the following:

- GEO 4133 American Indian Geographies
- HIST 2033 The American Indian
- HIST 4303 Indians of the Southwest
- HIST 4413 American Indian Women

Elective III 3-6

Select at least three hours from the following:

- 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), Institutes (4960), may be taken as electives.

Minimum GPA..... **2.50**

Minor Director: Dr. Brad Watkins
Department of History and Geography

Asian Studies

Asian Studies **20**

Minor Code: 5568

Required courses:..... 11

- CHIN 1114 Elementary Chinese I OR
- JAPN 1114 Elementary Japanese I
- CHIN 1224 Elementary Chinese II OR
- JAPN 1224 Elementary Japanese II
- HIST 4743 Modern China and Japan

Elective courses 9

- GEO 3403 Geography of the Western Pacific
- HIST 4863 The History of Modern Southeast Asia
- POL 2713 Introduction to Comparative Politics
- POL 4023 Chinese Politics
- POL 4403 Asian Politics

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. Youngtae Shin
Department of Political Science

Ethnic Studies

Ethnic Studies..... **18**

Minor Code: 5569

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 The African American Experience to 1900
- HIST 4763 The African American Experience since 1900
- POL 4143 African Politics
2. ENG 4493 American Indian Authors
- HIST 2033 The American Indian
- 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, GEO 3403, HIST 2033, HIST 4303, HIST 4513, HIST 4543, HIST 4743, HIST 4753, HIST 4763, HIST 4863, HUM 3073, HUM 4113, MGMT 4033, MGMT 4263, NTRN 1513, OCTE 4332, OCTE 3313, PHIL 1103, PHIL 2073, POL 3583, POL 4023, POL 4143, POL 4403, PSY 1203, SOC 2303, SOC 3403, PTE 3133, PTE 3153, TESL 4113, TESL 4123

Minimum GPA..... **2.50**

Minor Director: Dr. Jere Roberson
Department of History and Geography

Film Studies

Film Studies **18**

Minor Code: 5570

Required courses..... 6

- ENG 2223 Introduction to Film Studies
- HUM 3083 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

Interdisciplinary Minors - continued

- CONTINUED FROM PREVIOUS PAGE -

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
ENG	4873	American Indian Film
HUM	3903	History of Film I
HUM	3913	History of Film II
HUM	4303	National Cinemas

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	3503	World Political Geography OR
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. Randall Jones
Department of Political Science

Religious Studies

Religious Studies..... 18

Minor Code: 5571

Required Course..... 3

HUM	4113	World Religions
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Elective Courses..... 15

Selected from the following:

ENG	3373	Literary Study New Testament
ENG	3393	Mythology

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	4313	Religion and the Law
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. Jeff Plaks
Department of History and Geography

Women's Studies

Women's Studies..... 18

Minor Code: 5572

Required Course..... 6

ENG	2213	Introduction to Women's Studies
PHIL	4203	Women and Values

Elective Courses..... 12

Selected from the following:

ART	4363	Art by Women
MCOM	3173	Women's Rhetoric
MCOM	3423	Communication and Gender
ENG	3243	Women in Film
ENG	3423	Women of the Bible
ENG	4063	Women in Science/Technical Writing
ENG	4073	Nineteenth Century British Women Writers
ENG	4093	Twentieth Century Women's Autobiography
ENG	4433	Southern Women Writers
ENG	4453	African-American Women Writers

- CONTINUED ON NEXT PAGE -

Interdisciplinary Minors - continued

Non-Degree Program

- CONTINUED FROM PREVIOUS PAGE -

ENG	4683	Women in Literature
ENG	4713	Nineteenth-Century American Women Writers
FMCD	2223	Marriage
HIST	3233	U.S. Women's History
HIST	3423	Women's History: European
HIST	4353	Women's History: International
HIST	4413	American Indian Women
HIST	4423	Women of the American West
HUM	4133	Women, Witches, and Religion
MCOM	4313	Women in Media
POL	3813	Women and Politics
SOC	3403	The Family
SOC	4443	Social Stratification
SPAN	4303	Women Writing in Spanish America

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. Sandra Mayfield
Department of English

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. T. H. Baughman
Department of History and Geography
LA 204B
(405) 974-5357

Certificate

Funeral Service Certificate

UCO Code: 6121

I. General Courses 27

The following courses:

- ACCT 2223 Survey of Accounting **OR**
- ACCT 2113 Accounting I
- 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 Introductory Chemistry and Lab
- PSY 1103 General Psychology
- * FNRL 4522 Board Review

II. Basic Sciences 11

The following courses:

- BIO 2314 Introductory Microbiology and Lab
- FNRL 2214 Elementary 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 26

The following courses:

- FNRL 1211 Orientation to Funeral Service
- FNRL 2313 Contemporary Funeral Service
- FNRL 3374 Funeral Home Management I
- FNRL 3383 Funeral Home Statutory Law
- FNRL 3393 Mortuary Jurisprudence
- FNRL 3492 Counseling for Funeral Service
- 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 84

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. 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.

The American Board of Funeral Service Education (ABFSE), the national accreditation agency for all schools of mortuary education, has implemented a new criterion for all graduates. As of January 2004, all graduating seniors must take the National Board Examination as a requirement for the Funeral Service Certificate. The annual passage rate of first-time takers on the National Board Examination (NBE) for the most recent three-year period for this institution and all ABFSE accredited funeral service education programs is posted on the ABFSE website (www.abfse.org).

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) 3414 Ashland Avenue, Suite G, St. Joseph, Missouri 64506 (816)233-3747 www.abfse.org

The Department of Funeral Service has as its central aim recognition of the importance of funeral service education personnel as:

1. Members of a human services profession.
2. Members of the community in which they serve.
3. Participants in the relationship between bereaved families and those engaged in the funeral service profession.
4. Professionals knowledgeable of and compliant with federal, state, provincial/territorial, and local regulatory guidelines (in the geographic area where they practice).
5. Professionals sensitive to the responsibility for public health, safety, and welfare in caring for human remains.

Department of Funeral Service Objectives

1. To enlarge the background and knowledge of students about the funeral service profession.
2. To educate students in every phase of funeral service and to help enable them to develop proficiency and skills necessary for the profession, as defined in the Preamble above.
3. To educate students concerning the responsibilities of the funeral service progression to the community at large.
4. To emphasize high standards of ethical conduct.
5. To provide a curriculum at the post- secondary level of instruction.
6. To encourage student and faculty research in the field of funeral service.

Admission to this program has special requirements. See page 53 of the 2010-2011 catalog for selective admission criteria.

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 (MSI 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. Wearing a uniform and attending leadership lab is optional. Basic Course students are under no military obligation.

The Advance Course (MSIII 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 1 1/2 weekly leadership lab period, physical classes, and a six-week Adv. ROTC Summer Camp.

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 6 week basic ROTC summer camp or by being granted placement credit for prior military service or high school junior ROTC. 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. All 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 \$250-\$400 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 OCUSA, LANGSTON, SNU and OCU

Full-time students at Oklahoma Christian University of Science and Arts, 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, or visit the web sites afrotc.okstate.edu or 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, or visit the web site at www.ou.edu/rotc/air-force.

Course Descriptions

Course Subject Key

ACCT	Accounting, Department of Accounting	MATH	Math, Department of Mathematics and Statistics
ACM	Academy of Contemporary Music	MCOM	Mass Communication, Department of Mass Communication
ART	Arts, Department of Art	MGMT	Management, Department of Management
BADM	Business Administration, Department of Management	MLSC	Military Science, Department of Military Science
BCOM	Business Communication, Department of Marketing	MPER	Music Performance, School of Music
BIO	Biology, Department of Biology	MRKT	Marketing, Department of Marketing
CEPS	College of Education and Professional Studies	MUED	Music Education, School of Music
CHEM	Chemistry, Department of Chemistry	MUS	Music, School of Music
CHIN	Chinese, Department of Modern Languages, Literatures, and Cultural Studies	NTRN	Nutrition, Department of Human Environmental Sciences
CJ	Criminal Justice, School of Criminal Justice	NURS	Nursing, Department of Nursing
CMSC	Computer Science, Department of Computer Science	OCTE	Occupational Technology Education, Department of Occupational and Technology Education
CSDY	Creative Studies, Department of English	ORGL	Organizational Leadership, Department of Occupational and Technology Education
DANC	Dance, Department of Dance	PHED	Physical Education, Department of Kinesiology and Health Studies
DES	Design, Department of Design	PHIL	Philosophy, Department of Humanities and Philosophy
ECED	Early Childhood Education, Department of Curriculum and Instruction	PHY	Physics, Department of Engineering and Physics
ECON	Economics, Department of Economics and International Business	POL	Political Science, Department of Political Science
ELED	Elementary Education, Department of Curriculum and Instruction	PSY	Psychology, Department of Psychology
ENG	English, Department of English	PTE	Professional Teacher Education, Department of Professional Teacher Education
ENGR	Engineering, Department of Engineering and Physics	READ	Reading, Department of Special Services
FACS	Family and Consumer Science Education, Department of Occupational and Technology Education	REC	Recreation, Department of Kinesiology and Health Studies
FIN	Finance, Department of Finance	SAS	Substance Abuse Studies, Department of Sociology and Substance Abuse Studies
FLGN	Foreign Languages, Department of Modern Languages, Literatures, and Cultural Studies	SFTY	Safety, Department of Occupational and Technology Education
FMCD	Family and Child Development, Department of Human Environmental Sciences	SLP	Speech/Language Pathology, Department of Special Services
FMKT	Fashion Marketing, Department of Human Environmental Sciences	SOC	Sociology, Department of Sociology and Substance Abuse Studies
FNRL	Funeral Service, Department of Funeral Service	SOST	Social Studies, Department of History and Geography
FRCH	French, Department of Modern Languages, Literatures, and Cultural Studies	SPAN	Spanish, Department of Modern Languages, Literatures, and Cultural Studies
FRSC	Forensic Science, Forensic Science Institute	SPED	Special Education, Department of Special Services
GEO	Geography, Department of History and Geography	STAT	Statistics, Department of Mathematics and Statistics
GERM	German, Department of Modern Languages, Literatures, and Cultural Studies	TESL	Teaching English as a Second Language, Department of Curriculum and Instruction.
GRK	Greek, Department of Modern Languages, Literatures, and Cultural Studies	THRT	Theatre Arts, Department of Theatre Arts
HIST	History, Department of History and Geography	UNIV	University Courses
HLTH	Health, Department of Kinesiology and Health Studies		
HUM	Humanities, Department of Humanities and Philosophy		
IB	International Business, Department of Economics		
IME	Instructional Media, Department of Advanced Professional Services		
ISOM	Information Systems and Operations Management, Department of Information Systems and Operations Management		
JAPN	Japanese, Department of Modern Languages, Literatures, and Cultural Studies		
KINS	Kinesiology, Department of Kinesiology and Health Studies		
LATN	Latin, Department of Modern Languages, Literatures, and Cultural Studies		
LEAD	Leadership		
LS	Legal Studies, Department of Finance		
MART	Media Arts, Department of Theatre Arts		

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 1453.

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.

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.

ACCT 3413 - Cost Accounting

Elementary principles of cost accounting including internal records of manufacturing business, process, and job order cost accounting. Credit may not be earned in both ACCT 3113 and 3413. Prerequisite(s): ACCT 2133, MATH 1453.

ACCT 3423 - Accounting Uses/Microcomputer

This course is designed to provide students with hands-on experience with personal computers and to provide students with practical experience in solving accounting problems with electronic spreadsheets, data management software, and word processing software. Prerequisite(s): ACCT 3213, 3413, and typing skills.

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 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 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.

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 3213, 3233.

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 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 1112 - Repertoire Development I

This course provides students with the opportunity to learn a variety of repertoire in a discipline environment. Different arrangements and techniques will be discussed in order to prepare for band rehearsal and performance in live performance course. Prerequisite(s): Concurrent enrollment in ACM 1811. Enrollment open to ACM majors only.

ACM 1121 - Live Performance I

This course is the first course of four that prepares students for professional performance situations through practical rehearsal in a professional environment with development feedback from industry-based professionals. Prerequisite(s): Enrollment open to ACM majors only.

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 I

This course is the first in a series of classes in ear training 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, improving, singing, and dictation using elementary rhythms and genre-appropriate pitch materials.

ACM 1162 - Repertoire Development II

This course gives students the opportunity to develop more accurate and artistic performance techniques while expanding on their performance repertoire. Prerequisite(s): ACM 1112. Concurrent enrollment in ACM 1862.

ACM 1212 - Music Industry Studies

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 1232 - Composing with Technology

This course will allow students to explore different areas of composition as they relate to various aspects of technology in the music production field.

ACM 1243 - Sequencing and Software Tech

This course will allow students to learn how to set up and operate MIDI computer systems. Students will apply sequencing software for creating music and learn to edit, store and retrieve music.

ACM 1252 - The Production Process

This course will prepare students for a studio recording session and the variety of set-up procedures required to operate in a commercial studio.

ACM 1322 - Stylistic Awareness

This course will give students the opportunity to study various musical components of a wide range of styles to allow the student to develop the ability to recreate and reinterpret. Prerequisite(s): Enrollment open to ACM majors only.

ACM 1332 - Technical Development I

This course provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a working musician.

ACM 1342 - Improvisation Techniques

This course gives students the opportunity to develop a more advanced application of industry technical skills to become a successful working musician.

ACM 1351 - Live Performance II

This course is the second course of four that prepares students for professional performance situations through practical rehearsal in a professional environment with development feedback from industry-based professionals. Prerequisite(s): ACM 1121. Enrollment open to ACM majors only.

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 - Specialized Production Project

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.

ACM 1442 - Production Techniques

This course will allow students to be equipped with the skills needed for the production of live performances in a controlled studio environment. Students are given the opportunity to develop the critical skills and knowledge necessary to analyze and reproduce aspects of contemporary music performance and recording.

ACM 1453 - Digital Audio Techniques

This course gives students the opportunity to examine all issues relating to Digital Audio and its use in the music production industry. Students will also focus on the fundamentals of using modern software and hardware to make music.

ACM 1552 - Aural Skills II

This course is the second in a series of classes in ear training at ACM. Students will continue to 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 intermediate contemporary harmonic and melodic materials. Prerequisite(s): ACM 1152.

ACM 1632 - Technical Development II

This course, a continuation of Technical Development I, provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a professional musician. Prerequisite(s): ACM 1332.

ACM 1811 - Rep Development Lab I

This course offers students a mentored practice opportunity for the Repertoire Development class. Students will meet, as an ensemble, with an ACM instructor during scheduled rehearsal blocks. Prerequisite(s): Concurrent enrollment in ACM 1112.

ACM 1861 - Rep Development Lab II

This is a continuation of study in Repertoire Development Lab I. This course offers students a mentored practice opportunity for the Repertoire Development class. Students will meet, as an ensemble, with an ACM instructor during scheduled rehearsal blocks. Prerequisite(s): ACM 1811. Concurrent enrollment in ACM 1162.

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): Enrollment open to ACM majors only.

ACM 2032 - Composition & Arranging I

This course will cover composing, arranging and production of contemporary music. Students will compose and arrange for rhythm sections, voice, strings and brass. Students will study processes involved in successfully harmonizing melodies and chord progressions. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2112 - Technical Development III

This course provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a working musician. As a continuation of the first year's study in technical development, students will obtain greater facility and a deeper understanding of their instrument. Prerequisite(s): ACM 1632.

ACM 2122 - Repertoire Development III

This course will continue with the analysis and discussion of Live Performance musical pieces. This course material will analyze the breakdown of the styles, sounds and techniques used in the production of the music tracks and how to recreate them convincingly. Prerequisite(s): ACM 1162. Concurrent enrollment in ACM 2822.

ACM 2132 - Session Styles I

This course utilizes the technical skills developed in other courses giving students the benefit of studying popular repertoire with specific reference to working in a studio environment. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2141 - Live Performance III

This course continues with the repertoire and allows students to bring the skills learned throughout the curriculum and apply those skills in a live band or audition situation. Prerequisite(s): ACM 1351. Enrollment open to ACM majors only.

ACM 2162 - Business Studies I

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 2212 - Studio Recording I

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.

ACM 2222 - Music IT I

This course will cover the beginning aspects of music production, 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 2242 - Theory & Applied Harmony

This course gives students a practical approach to the delivery of music theory. Students will study the structure of music and how to apply it to practical situations.

ACM 2312 - Sight Reading/Aural Perception I

This course focuses on the development of music reading and aural perception in the context of recording/live sessions at the beginning level. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2322 - Repertoire Development IV

This course will continue with the analysis and discussion of Live Performance musical pieces. This course material will be the final course in the series and will analyze the breakdown of the styles, sounds and techniques used in the production of the music tracks and how to recreate them as a musician and composer. Prerequisite(s): ACM 2122. Concurrent enrollment in ACM 2831.

ACM 2332 - Performance Production

This course complements Business Studies while focusing on the development and maintenance of a career in music. Students will study the logistics of planning, promoting, and performing live shows, session recordings, and demo creation. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2341 - Live Performance IV

This course allows students to bring the advanced skills learned throughout the curriculum and apply those skills in a transformative performance session. Prerequisite(s): ACM 2141. Enrollment open to ACM majors only.

ACM 2352 - Business Studies II

This course presents the advanced information for students to apply the business and marketing skills that musicians must have in the industry in order to compete successfully.

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, 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 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 2522 - Sightreading/aural Percep II

This course focuses on the development of music reading and aural perception in the context of recording/live sessions at an advanced level. Prerequisite(s): ACM 2312.

ACM 2532 - Session Styles II

This course utilizes the technical skills developed in other courses giving students the benefit of studying popular repertoire with specific reference to working in a studio environment. Prerequisite(s): ACM 2132.

ACM 2612 - Technical Development IV

This course, a continuation of Technical Development III, provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a working musician. This course will introduce and focus on specific stylistic techniques and improvisation. Prerequisite(s): ACM 2112

ACM 2712 - Studio Recording II

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 2821 - Rep Development Lab III

This is a continuation of study in Repertoire Development Lab II. This course offers students a mentored practice opportunity for the Repertoire Development class. Students will meet, as an ensemble, with an ACM instructor during scheduled rehearsal blocks. Students will be more responsible for the rehearsals and performances, and will be expected to collaborate at a professional level. Prerequisite(s): ACM 1861. Concurrent enrollment in ACM 2122.

ACM 2831 - Rep Development Lab IV

This is a continuation of study in Repertoire Development Lab III. This course offers students a mentored practice opportunity for the Repertoire Development class. Students will meet, as an ensemble, with an ACM instructor during scheduled rehearsal blocks. Students will be more responsible for the rehearsals and performances, and will be expected to collaborate at a professional level. Prerequisite(s): ACM 2821. Concurrent enrollment in ACM 2322.

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 - Drawing I

This course will develop the perceptual skills and methodologies of seeing and translating what is seen through a variety of traditional and experimental drawing materials. 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 - Foundation Drawing II

This course is an introduction to the essentials of figure drawing 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. Prerequisite(s): ART 1023. Enrollment is open to freshmen and sophomore students only.

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 non-traditional 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 1112 - Introduction To Art History

This course is an introduction to the fundamental principles of art history through the analysis of painting, sculpture, architecture, and products of minor arts and an investigation of the process of creating these forms, leading the student to a better understanding of the visual arts.

ART 1153 - Survey of Art History I

This course focuses on art as the mirror of civilization and as the index to characteristics of races, nations, and individuals. This course will survey the place of architecture, sculpture, painting, and crafts in civilization up to 1650 A.D.

ART 1223 - Black & White Photography

This course will cover basic 35mm camera operations and darkroom processes. Students will learn film processing, printing 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

This course provides students with a continued exploration of perceptual skills in conjunction with conceptual issues and study of contemporary issues in drawing. Prerequisite(s): ART 2903 with a minimum grade of "C". Sophomore standing or above.

ART 2223 - Black & White Photography II

This course is second in a sequence for photo art students. This course will further develop skills in composition and technique, encourage individual expression and stimulate critical dialog in contemporary issues. Prerequisite(s): ART 1223 or MCOM 1123 and sophomore standing or above. Enrollment open to Studio Art (1006) and Mass Communication-Photographic Arts (5008) majors only.

ART 2233 - Painting I

This course is an introduction to painting. Using oil and acrylic media, students explore the characteristic properties, expressive potential, and 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 - Survey of Art History II

This course will survey important movements and leaders in art from 1600 CE to 1900 CE emphasizing the forces and trends that shape the art and culture of these periods.

ART 2523 - Research Techniques

The Research Techniques course will instruct the student in research and writing required for art historical study. Various resources for research techniques and research papers will be taught. Prerequisite(s): ART 1153 and 2403 with 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 - Sophomore Portfolio

This course is the culmination to the Foundation Program and is a portfolio development studio. Importance is placed on critical processes of evaluation, comprehension of skills, design principles, and understanding of art in its historical context. 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): ART 2903. Sophomore, junior or senior standing.

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 3053 - Sculpture I

This course provides students with the practice of making the dimensional form through creative problems in additive and subtractive techniques of sculpture. Prerequisite(s): ART 2903 or DES 3293 with a minimum grade of "C". Sophomore standing or above.

ART 3143 - Glass Sculpture I

In this course students will explore three-dimensional forms utilizing the basic techniques of warm glass: fusing slumping, casting and mold making. The approach to study will include technical and conceptual development through historical research and awareness of contemporary issues enhanced by personal expression. Prerequisite(s): ART 2903 and 3053 with a minimum grade of "C" and junior or senior standing.

ART 3163 - Photo Arts History

This course will address the evolution and current trends in photography. Some photographic processes will be tried in the darkroom. Prerequisite(s): ART 2903, JOUR 1123 with a minimum grade of "C" and junior or senior standing.

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 3203 - Watercolor I

This course introduces students to painting in water based media exploring characteristic properties, expressive potential, and techniques. Prerequisite(s): ART 2903, 2233, 3603 with minimum grade of "C". Junior or senior standing.

ART 3302 - Visual Arts For Elementary Teachers

Tools, media, and techniques for arts and crafts in the elementary classroom are utilized through practice of creative art experiences. Integration of the visual arts across the elementary curriculum is explored.

ART 3313 - Watercolor II

Students will develop advanced painting techniques concentrating on water-based media, individual creativity, design elements and principles, and contemporary painting styles. Prerequisite(s): ART 2903, 2233, 3203 with minimum grade of "C". Junior or senior standing.

ART 3403 - Woven Structural Basics

This course is an introduction to both improvised and floor loom weaving through the study of basic weaves, fiber types, and color relationships. Techniques presented include basic loom controlled drafts and double weaves along with a variety of hand-manipulated weaves. While discussing both historical and contemporary textiles, emphasis is placed on the development of technical skills and personal expression. Prerequisite(s): ART 2903, 3423 with a minimum grade of "C" and sophomore standing or above.

ART 3413 - Mixed Media

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 3423 - Introduction To Textile/Material Studies

In this course students are introduced to a full range of fiber materials, processes, forms and theories, including surface design, embellishment and hand constructed techniques. Both traditional and nontraditional approaches to process and materials are explored, while conceptual and historic issues are discussed. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

ART 3463 - Jewelry and Metalsmithing I

This beginning course will emphasize safety and basic fabricating techniques including hollow construction, surface embellishments, the basic metal forming techniques of sinking and forging, stone setting, wax carving, and lost wax casting. 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 3503 - Drawing IV

This course encourages new approaches to drawing. It also continues the approaches introduced in Drawing III while expanding the opportunity for more elaborate open-ended projects. These may extend the boundaries of drawing as we know it and embrace the interdisciplinary realm. Students are expected to begin connecting their studio practice with theoretical elements in this course. Emphasis on critical thinking as well as dialogue and debate are central constituents of this course. Prerequisite(s): ART 2103, 2903 with a minimum grade of "C". Junior or senior standing.

ART 3603 - Painting II

Through this course the student will develop advanced painting technique and design comprehension using oil, acrylic and various media. Concentrations of study in this course will include individual creativity, composition and contemporary painting styles. Prerequisite(s): ART 2233, 2903 with minimum grade of "C". Junior or senior standing.

ART 3623 - 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 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 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 4043 - Photo Composition

This course offers the study of photography as an art form. Students develop their visual perception using the camera, explore creative darkroom techniques, participate in an exhibition, and produce a portfolio of photographs. Prerequisite(s): ART 2903, JOUR 1123 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-historical roots through contemporary expression. Prerequisite(s): Junior or senior standing.

ART 4063 - Mural Painting I

This course offers upper-level study in the design and painting of large murals. Students participate in onsite planning, equipment preparation

and community involvement. Prerequisite(s): ART 2903, 2233, 3603 with a minimum grade of "C" and junior or senior standing.

ART 4073 - Mural Painting II

This course offers advanced study in the design and painting of large murals. Students are responsible for all stages of community planning and execution of murals. Prerequisite(s): ART 2903, 2233, 3603, 4063 with a minimum grade of "C" and junior or senior standing.

ART 4083 - Photo Process Non-Silver

This course explores the methods of historical photographic printing through non-silver photographic methods. Some of the non-silver printing techniques explored are Cyanotype, Van Dyke, and Gum Bichromate. The student will learn to make duplicate negatives through traditional and digital techniques. Prerequisite(s): ART 1223, 2223 and sophomore standing or above. Enrollment open to Studio Art (1006) and Mass Communication-Photographic Arts (5008) majors only.

ART 4103 - Etching

This course is the study of the intaglio process exploring such basic techniques as etching, drypoint, aquatint, inkless intaglio, and mezzotint. Prerequisite(s): ART 2903 with a minimum grade of "C" and 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 4123 - Serigraphy

This course teaches the basic screen printing techniques that are used in the creation of fine art. Prerequisite(s): ART 2903 or DES 2152 with a minimum grade of "C" and junior or senior standing.

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 4153 - Advanced Painting

This course is the advanced study in technique, form, composition, color, and design in media of oil, acrylic, or water color. Prerequisite(s): ART 2903, 2233, 3603 with a minimum grade of "C". Junior or senior standing.

ART 4203 - Sculpture II

In this course continued exploration and conceptual development of three-dimensional form will be explored through the appropriate applications of wood, metal, stone, plastic and other media. These materials and form development will be studied within the context of historical and contemporary issues. Prerequisite(s): ART 2903, 3053 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 4253 - Glass Sculpture II

In this course students will explore three-dimensional forms utilizing advanced warm glass techniques. Students will utilize these techniques with other mediums to develop personal expression in sculptural works. The approach to study will include technical and conceptual development through historical research and awareness of contemporary issues enhanced by personal expression. Prerequisite(s): ART 2903, 3053, 3143 with a minimum grade of "C" and sophomore standing or above.

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 4273 - Relief Printmaking

This course offers advanced study in relief printmaking techniques including woodcut, linoleum block, collagraph and monotype processes. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

ART 4284 - Drawing V

This advanced course in drawing is intended to promote independence, self-motivation and maturity in an open studio environment. Students are expected to be fluent in visual literacy and critique skills. The students will write extensively about their studio practice by keeping a journal and developing the discipline of self-reflection. A project proposal initiates the student work and a final artist statement summarizes the work accomplished. In this course, students broaden their vision in their pursuit and development of personal themes for his/her work. The aim of the course is to foster artistic development towards a clear assessment of students' focus and personal expression. Prerequisite(s): ART 3503 and senior standing or above. Enrollment open to Studio Art majors only.

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 4373 - History and Criticism of Art

This course discusses the criticism of art during various periods and prepares the student to critically analyze their own or other works of art. Prerequisite(s): Junior or senior standing.

ART 4383 - Methods For Teaching Art History

This course offers the student methods of art history curriculum development. A variety of media is explored in research and documentation. Prerequisite(s): ART 2903 with a minimum grade of "C" 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 and Metalsmithing II

This intermediate course will explore metalworking techniques such as die forming, chasing, repousse, mechanisms, and the use of alternative materials. 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 4423 - Print For Fabric/Alternative Materials

This course offers advanced study of dyes and pigments on fabric and alternative materials. Both hand-painting and hand-printing processes are explored. Students are introduced to a conceptual focus and a technical vocabulary and are encouraged to develop individual direction. Prerequisite(s): ART 2903, 3423 with a minimum grade of "C" and junior or senior standing.

ART 4433 - Alternative Constructions

This course investigates structuring processes and surface manipulation using found and purchased materials. Techniques may include use of addition or subtraction from surface and structure through layering, piecing, stitching, cutting piercing as well as other unconventional methods of joining. Emphasis is on the development of strong personal expression. Prerequisite(s): ART 2903, 3403, 3423 with a minimum grade of "C" and sophomore standing or above.

ART 4443 - Photo: Special Projects

This course offers undergraduate study in a wide range of photographic techniques. Students will create original photographs in both silver and non-silver processes. Prerequisite(s): ART 2903, 4043 with a minimum grade of "C" and junior or senior standing.

ART 4453 - Art Therapy Process/Product

This course will provide an overview of the foundation and theories of art therapy and is a required course for art therapy registration/certification. The course concentrates on the therapeutic benefits of the creative process and product. Prerequisite(s): Junior standing plus six hours art and six hours psychology.

ART 4463 - Media In Art Therapy

This course is designed to acquaint the student with the therapeutic qualities of media as used in clinical and art therapeutic applications. Technical and safe uses of the media will be discussed with a strong emphasis on defining art therapy as a process. Prerequisite(s): Junior or senior standing, plus three hours of psychology or sociology and three hours of art.

ART 4483 - Art Therapy In Applied Setting

This course is designed to provide the student with the opportunity to apply clinical art therapy techniques to specific client populations through field work in a practicum or internship. Prerequisite(s): Junior/senior standing plus six hours of behavioral science and six hours of art.

ART 4522 - Art Presentation And Display

This course will explore a variety of methods both traditional and non-traditional, for presenting and displaying art. Prerequisite(s): ART 2523 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 and Metalsmithing III

This advanced course will serve as a capstone course for the jewelry and metalsmithing students. Emphasis will be placed on portfolio development in preparation for graduation, entry into graduate school, and the professional field. The student will organize a body of work for senior exhibition, develop an artist statement, investigate advanced techniques and research artists practicing in the contemporary field of jewelry and metalsmithing. 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 4573 - Celtic Art

This course is a chronological study of the visual arts of the Celts and their influence on later styles of art. It will start with a study of Prehistoric European art through Celtic revivals in the 15th and 16th centuries. This will involve the study of art movements, medium and terminology in relation to the Celtic cultures and will require research and writing on the subject. Prerequisite(s): Junior standing or above.

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 4623 - Advanced Form And Surface Design

This course, an in-depth study of specialized techniques used in three-dimensional form or surface design is offered by skilled guest artists. Integration of audio-visual art specializations and design concepts is emphasized. Prerequisite(s): ART 2903 with minimum grade of "C". Sophomore standing or above.

ART 4633 - Advanced Silver Print & Development

This course will explore visual communication and expression through both traditional and digital applications of photographic media with an emphasis on the development of advanced technical skills related to photographic production, critical theory and analysis. Prerequisite(s): ART 1223, 2223 and junior or senior standing. Enrollment open to Studio Art (1006) and Mass Communication-Photographic Arts (5008) majors only.

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 4703 - Survey of Art History III

This course is a continuation of Survey of Art History II studying the architecture, sculpture, painting, minor arts, and artists from 1900 to the present. Prerequisite(s): Junior or senior standing.

ART 4823 - Art Therapy

This course will acquaint the student with the therapeutic and clinical qualities of art therapy and its application to creating art and its emotional content.

ART 4833 - Exhibit Presentation

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.

ART 4843 - Elementary Art Education Meth

In this course students apply appropriate methods and materials for elementary visual arts education. Sequential discipline-based art education curriculum and child develop 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 Educational 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, ART 4842 or 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". Junior or senior standing.

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): ART 2903 with minimum grade of "C". 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 Management****BADM 1103 - Introduction To Business**

This course is a survey of basic functions, principles and practices in the administration of business organizations. This course is not open to juniors or seniors majoring in economics or business.

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 3103 - 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.

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. A survey course covering written and nonwritten oral/speech communication theories and principles with practice and application specific to the business environment. Prerequisite(s): ENG 1113, 1213.

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 4233 - Business Proposals & Presentations

Procedures and methods of gathering and organizing data, interpreting findings, and presenting facts and ideas effectively. Includes problems and practice in writing business reports that are used as tools of management. Prerequisite(s): BCOM 3143.

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 I for Majors

This is the 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 - General Biology Laboratory

This is a laboratory for General Biology.

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 microorganisms, 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 II for Majors and Lab

This is the second 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. Prerequisite(s): BIO 1204, CHEM 1103 and 1112 all with a minimum grade of "C". Concurrent enrollment in BIO 1225L.

BIO 1225L - Biology II for Majors Lab

This is the three-hour per week laboratory to accompany BIO 1225.

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 1304.

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 1114.

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): CHEM 1103, BIO 1204 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 & Lab

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.

BIO 2314L - Introduction To Microbiology Lab

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 & Lab

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. Prerequisite(s): One college course in General Biology.

BIO 2504L - Elementary Human Anatomy Lab

This is a two-hour per week laboratory to accompany BIO 2504.

BIO 2604 - Human Physiology & Lab

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. Prerequisite(s): 8 hours of biological sciences (other than Plant Biology) including either BIO 2203 or 2314 and one chemistry course.

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 & Lab

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 & Lab

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 Lab

This is a three-hour per week laboratory to accompany BIO 3054.

BIO 3104 - Embryology And Laboratory

This course is a study of the early development of vertebrates, with some consideration of invertebrate material and experimental developmental biology. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203 and (BIO 3303 or 3703) all with a minimum grade of "C".

BIO 3104L - Embryology Laboratory

This is a three-hour per week laboratory to accompany BIO 3104.

BIO 3154 - Invertebrate Zoology & Lab

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 - Invertebrate Zoology Lab

This is a three-hour per week laboratory to accompany BIO 3154.

BIO 3254 - Comparative Vertebrate Anatomy & Lab

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 - Comparative Vertebrate 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, CHEM 1103, 1112, 1223, 1232, 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 & Lab

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 & Lab

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 Lab

This is a three-hour per week laboratory to accompany BIO 3464.

BIO 3515 - Pathogenic Microbiology & Immunization & Lab

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 all with a minimum grade of "C".

BIO 3515L - Pathogenic Microbiology & Immunization Lab

This is a four-hour per week laboratory to accompany BIO 3515.

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 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): STAT 2103 and 8 hours of biology including BIO 1304.

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 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): STAT 2103 and 18 hours of biological science.

BIO 4024 - Freshwater Ecology & Lab

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 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 3454, 3543, 3703 and STAT 2103 all with a minimum grade of "C".

BIO 4124L - Herpetology Laboratory

This is a three-hour per week laboratory to accompany BIO 4124. Field trips are required.

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, including population dynamics, community structure, and environmental physiology.

It consists of three hours lecture and three hours laboratory per week. Field trips are required. Prerequisite(s): STAT 2103 and 12 hours of biology, including BIO 2263.

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; 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" in all prerequisites.

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 is a comprehensive study of vascular plant classification, identification, nomenclature and evolution. Local flowering plant recognition and distribution will be emphasized. It consists of three hours lecture and three hours laboratory per week. Field work is required. Prerequisite(s): STAT 2103 and 12 hours of biology including BIO 1304.

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 & Lab

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 1404, 1304, 2314, 2263, CHEM 1103, 3303 and STAT 2103.

BIO 4343 - Forensic Molecular Bio & Lab

This lecture and laboratory course presents advanced principles of serology and human DNA identification techniques with forensic laboratory applications. This course includes the theory and practice of techniques used to identify and individualize biological samples applied to forensic scenarios. Related database applications will be discussed and practiced. Emphasis is placed on quality control and quality assurance procedures as practiced in today's crime laboratories. 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 4343. Concurrent enrollment in BIO 4343L required.

BIO 4343L - Forensic Molecular Bio Lab

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 1304, 2203, 2314 and STAT 2103.

BIO 4354L - Plant Anatomy Laboratory

This is a three-hour per week laboratory to accompany BIO 4354.

BIO 4413 - Virology And Laboratory

This course is a study of the nature and structure of viruses, their multiplication and effects on host cells. Special attention to the pathogenesis of viral diseases, mechanisms of host resistance and a survey of tumor and cancer producing viruses. Lecture meets two hours per week. Laboratory meets four hours per week. Prerequisite(s): STAT 2103 and 12 hours of biology including BIO 2314.

BIO 4413L - Virology Laboratory

This is a three-hour per week laboratory to accompany BIO 4413.

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 Lab

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 4603 - Advanced Mammalian Physiology I

This course is a comprehensive study of human nervous, cardiovascular, and respiratory systems. Prerequisite(s): 12 hours of animal biology including BIO 2604; CHEM 3303 or CHEM 3403 and STAT 2103. Physics strongly recommended.

BIO 4613 - Advanced Mammalian Physiology II

This course is a comprehensive study of human digestive, excretory, reproductive, and endocrine systems. Prerequisite(s): 12 hours of animal biology, including BIO 2604, CHEM 3303, or CHEM 3403 and STAT 2103.

BIO 4622 - Methods Of Human Dissection & Prosec

This course includes instruction in techniques of dissection and prosecution 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) and (BIO 3543 or 3703 or 3303) all with a minimum grade of "C".

BIO 4633 - Scanning Electron Microscopy & Lab

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 & Lab

This course studies the taxonomy, morphology, ecology, and evolution of aquatic insects occurring in North America. It consists of three hours of lecture and three hours of laboratory per week. A collection is required and additional laboratory time is often necessary. Prerequisite(s): STAT 2103 and 15 hours of biology, including BIO 1404.

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 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): STAT 2103 and 15 hours of biology, including BIO 1404.

BIO 4734L - Ornithology Laboratory

This is a three-hour per week laboratory to accompany BIO 4734. Field trips are required.

BIO 4743 - Molecular And Population Genetics

This course is an advanced study of modern genetic theory. Major topics in this course include behavior, development, immuno-genetics, quantitative and evolutionary genetics. The molecular techniques used to answer biological questions are emphasized. Prerequisite(s): BIO 3303, 3703 and STAT 2103 all with a minimum grade of "C".

BIO 4754 - General Entomology & Lab

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 Lab

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, 3054 and STAT 2103 all with a minimum grade of "C".

BIO 4773 - Parasitology & Lab

This course is a survey of animal parasites, including their taxonomy, life cycles, morphology, physiology, and parasitic strategies. It consists of two 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 4773L - Parasitology Lab

This is a three-hour per week laboratory to accompany BIO 4773.

BIO 4853 - General Methods Of Teaching Science & Lab

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): STAT 2103 and six hours of science courses at the 3000 level and admission to the Professional Teacher Education program.

BIO 4853L - General Methods Of Teaching Science Lab

This is a three-hour per week laboratory to accompany BIO 4853.

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.

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 & Lab

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.

CHEM 1014L - Introduction To Chemistry Lab

This course consists of three hours of laboratory per week to accompany CHEM 1014.

CHEM 1024 - Chemistry & Society W/lab

This course provides an introduction to the concepts and methods of chemistry with emphasis on real world problems and scientific literacy. Concurrent enrollment in CHEM 1024L is required. This course will not apply toward Chemistry majors or minors. Credit may not be earned in both CHEM 1003 and CHEM 1024.

CHEM 1024L - Chemistry & Society Lab

This course consists of two hours of laboratory per week to accompany CHEM 1024. Concurrent enrollment in CHEM 1024 is required.

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. Concurrent enrollment in CHEM 1112 is required. Prerequisite(s): MATH 1513 or concurrent enrollment.

CHEM 1112 - General Chem I Recitation/lab

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. 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.

CHEM 1232 - General Chem II Rec/lab

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 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 & Lab

This course provides an introduction to analytical chemistry including selected methods of analysis and the statistical treatment of experimental data. Concurrent enrollment in CHEM 2104L is required. Prerequisite(s): CHEM 1223, 1232.

CHEM 2104L - Quantitative Analysis Lab

This laboratory course accompanies CHEM 2104. Concurrent enrollment in CHEM 2104 is required.

CHEM 2203 - Chemical Calculations

This course is designed to introduce Allied Health and Science Education students to standard techniques for the quantitative treatment of experimental data and to help students develop a logical approach to formulating and solving chemical problems. Problems and experimental data will be chosen from areas of chemistry which will be familiar to the students from their experience in general chemistry but presented at an advanced level. Credit for this course will not apply toward major codes 6061, Chemistry ACS Certificate or 6060, Chemistry. Prerequisite(s): CHEM 1223, MATH 1513.

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 3102 - Chemical Literature

This course is a study of the technical literature of chemistry. Prerequisite(s): CHEM 3303.

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, 2203, PHY 1114 (previously PHY 1113 and 1101), 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-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.

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-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.

CHEM 3332 - Organic Chemistry II Lab

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, 3323 or concurrent enrollment.

CHEM 3343 - Commun & Careers In Chemistry

This course is designed to provide professional development for juniors and seniors. The course consists of exercises in oral and written communication, professional behavior, attitudes and ethics, interview and presentation skills, self-assessment, and lifelong career planning. Prerequisite(s): Chemistry major with minimum 21 hours chemistry.

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.

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 3312, 3403 or concurrent enrollment.

CHEM 3454 - Fundamentals Of Instrument Analysis & Lab

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 Lab

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, 3312, PHY 2114, MATH 2313.

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 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 & Lab

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 Lab

This laboratory course accompanies CHEM 4454. Concurrent enrollment in CHEM 4454 is required.

CHEM 4502 - Directed Research & Lab

This course enables students to learn about problems and methods in directed creative chemical research. 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 4603 - Advanced Organic Chemistry

This course is primarily intended to satisfy requirements for the ACS-certified degree program (major code 6061, Chemistry ACS Certificate). The emphasis in this course is on theoretical organic chemistry, especially mechanisms of organic reactions and the evidence that supports them, including molecular orbital theory, stereochemistry, kinetics, and thermodynamics. Prerequisite(s): CHEM 3323, 3503, or concurrent enrollment.

CHEM 4654 - Inorganic Chemistry & Lab

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 3203 or 3503; CHEM 3332. 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 3203 or 3503; CHEM 3332. Concurrent enrollment in CHEM 4654 is required.

CHEM 4692 - Preparative Chemistry

This is a laboratory course involving preparations in biochemistry, inorganic chemistry and organic chemistry. Concurrent enrollment in CHEM 4692L is required. Prerequisite(s): Written permission of instructor.

CHEM 4692L - Preparative Chemistry Lab

This is the laboratory course which accompanies CHEM 4692. Concurrent enrollment in CHEM 4692 is required.

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

This course 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 target language.

CHIN 1224 - Elementary Chinese II

This course serves as a sequel and continuing introduction to Chinese pronunciation, conversation, grammar, reading and writing for students from all disciplines who have had CHIN 1114.

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. Subject 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 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 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 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 3643 - Administration Of Justice

This course examines the basic structures and processes of the main components of the American criminal justice system and the interrelationship between the system components. Prerequisite(s): Junior or senior standing.

CJ 3653 - Police Administration And Organization

This course 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): Sophomore standing or above.

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 3643 and junior or senior standing.

CJ 4013 - Elements Of Criminal Offenses

This course will examine the foundations of American jurisprudence and the enactments of criminal offense statutes. The elements of and defenses to inchoate offenses, offenses against persons, crimes against persons, crimes against 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 as well as other miscellaneous crimes, statutes and important appellate court cases. Prerequisite(s): ENG 1113, 1213, POL 3613. Junior or senior standing.

CJ 4023 - Modern Criminal Investigations

This course is designed to combine the practical and theoretical aspects of criminal investigations; develop an analytical and practical understanding of the investigative processes and explore crime solving technology and techniques from a law enforcement and forensic science perspective. Prerequisite(s): ENG 1113, 1213, POL 3613. Junior or senior standing.

CJ 4033 - Critical Issues In Criminal Justice

The object of this course is to present 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 understanding in depth on the part of the student concerning major critical issues in the area of criminal justice. Prerequisite(s): ENG 1113 and 1213.

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

This course 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 3643 and SOC 3633 with minimum grades of "C". Enrollment open to criminal justice majors only with 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.

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 4313 - Ethics and Testimony

Ethics and Testimony provides a comprehensive review of ethics in the criminal justice system and specific ethical dilemmas that confront forensic specialists in the investigation, collection and preservation of evidence, and presentation of testimony and physical evidence in a court of law. Topics include ethics, arrest, search and seizure, evidentiary standards, methods of evidence presentation and evidentiary standards and procedures for courtroom testimony. This course will conclude with an in-depth analysis of the ethical responsibilities of the forensic specialist as an expert in courts of law. Prerequisite(s): CJ 3643 or FRSC 2503.

CJ 4413 - Delinquent Child Law

This course is a comprehensive survey of the evolution of the laws, agencies, institutions, courts and treatment for juvenile delinquents in Oklahoma and the United States, including the terminology unique to juvenile legal system and the processes and legal procedures of juvenile courts in Oklahoma and the United States. Prerequisite(s): ENG 1113, 1213, SOC 3103, 4573. Junior or senior standing.

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

This course 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 3643. Junior or senior standing.

CJ 4533 - White Collar Crime

This course will broaden students' understanding of crime by focusing specifically on white collar 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 3643 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 3643. Junior or senior standing.

CJ 4703 - Administration Of Correctional Institutions

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 and 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 3643 and junior standing.

CJ 4713 - Community-Based Corrections

This course 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 4703. Junior or senior standing.

CJ 4723 - Critical Issues In Corrections

This course 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 4703. 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 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 1555) and (CMSC 1513 or Advanced Placement high school programming course).

CMSC 1713 - COBOL

This course is a study of the syntax and semantics of the COBOL language with emphasis on structured design and structured programming techniques. Prerequisite(s): CMSC 1053 or CMSC 1103 or CMSC 1513 or written permission of instructor.

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.

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.

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

The study of computer organization will include digital logic and digital systems, machine level representation of data and instructions, assembly language level machine organization, and memory system organization. Prerequisite(s): CMSC 1613 with a minimum grade of "C".

CMSC 2913 - Advanced COBOL

This course is a continuation of CMSC 1713. Topics covered in this course include the use of multi- dimensional tables, how to use subroutines, sequential and indexed file handling, and accessing databases. Prerequisite(s): CMSC 1713. Sophomore, junior or senior standing.

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 3103 - Object Oriented Programming

Object Oriented Programming is a study of classes, objects, encapsulation, inheritance, and polymorphism. Prerequisite(s): CMSC 2613. Junior or senior standing.

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. Prerequisite(s): CMSC 2413 or 2613. Junior or senior standing.

CMSC 3413 - Advanced Visual Programming

This course is a continuation of material covered in CMSC 2413, Visual Programming. Concepts and techniques used in designing and writing programs using a graphical user interface to implement sophisticated applications are presented. Areas of study include multiple document interfaces (MDI), database access including client/server systems, building and using classes, the use of web forms, and the use of data collections. Prerequisite(s): CMSC 2413 and 2613. Junior or senior standing.

CMSC 3613 - Data Structures

Data Structures 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 2833 and MATH 2323 and (STAT 3103 or 4113).

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 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 Of Database Management

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 3613. Junior or senior standing.

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. Senior standing.

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. Senior standing.

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. Senior standing.

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 4283 - Software Engineering

Software Engineering is 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. 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 and 3613 with a minimum grade of "C". Junior or senior standing.

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 and junior standing or above.

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 4153 and (4283 or 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 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 3432 - Professional Writing I

Advanced composition for those interested in creative writing with an overview of various types and markets.

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

A more advanced course dealing with the more complex problems in creative composition: poetry, the short story, novel, playwriting, and scenario forms.

CSDY 3593 - Genre Studies In Creative Writing

This course is a lecture and one-to-one workshop in advanced creative writing focused on publishing, conducted by an artist-in-residence. Open by permission to graduate students and advanced juniors and seniors. Subject matter will usually be fictional forms but will vary according to visiting artist's particular expertise. All applicants should leave samples of writing with the department secretary for approval 10 days before the term begins.

CSDY 3990 - Advanced Topics

Credit will vary from 1 to 3 hours.

CSDY 4253 - Advanced Genre Studies-Creative Writing

A conference course for the creative studies students and other special students who have chosen creative writing as their focus in a degree pattern. The student will continue work throughout the semester on a single fiction or nonfiction project began in CSDY 3593. Another 100 polished pages output required.

CSDY 4273 - Writing The Novel

This is a continuation of CSDY 3593 and 4253, aiding the student in the final structuring and composition of his writing project. A third 100 pages of polished copy is required and student work is analyzed against exemplary materials for publication submissions.

CSDY 4313 - Writing Mystery/Adventure

The student will read popular and classic adventure/mystery stories and write creatively in both genres. 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. 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. Prerequisite(s): Junior/senior standing.

CSDY 4443 - Writing The Contemporary Novel

The student will read popular and bestselling novels and write the first three chapters of a novel. The student will read and prepare a report analyzing a contemporary novel. Prerequisite(s): CSDY 3573.

CSDY 4513 - Playwriting

The student will read popular play scripts, view live play productions, and write creatively in the dramatic genre. Prerequisite(s): CSDY 3573.

CSDY 4523 - Screenwriting

The student will read contemporary screenplays, view popular movies, and write creatively in the screenplay genre. 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. Prerequisite(s): CSDY 3573.

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.

DANCE (DANC)**Department of Dance****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): Instructor permission. 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): Instructor permission. Enrollment is open to dance 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): Instructor permission. 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): Instructor permission. Enrollment is open to dance 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): Instructor permission. Enrollment is open to dance majors only.

DANC 2731 - 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 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): DANC 2451.

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): Instructor permission. Enrollment is open to dance 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): Instructor permission. 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 3102 - Rhythm Any/Dance Form

This course is the study and practice of rhythm and form as they relate to dance activity. The content is adjusted to meet student needs.

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 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): Instructor permission. 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): Written permission required.

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): Instructor permission. Enrollment is open to dance majors only.

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 4343 - History & Philosophy Of Dance

This course is the study of the history and philosophy of the dance forms: ballet, folk, modern, jazz, social, ethnic, and theatre from ancient to present day. Prerequisite(s): Junior level standing and written permission of instructor.

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.

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): Instructor permission. 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): Instructor permission. 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): Instructor permission. 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): Instructor permission. 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 elements of visual literacy and the underlying principles of visual perception, organization and structure in a two-dimensional environment. This course will also develop the observational and rendering skills of the student. 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 only. Concurrent enrollment with DES 1033 is required. For interior design majors concurrent enrollment with DES 1113 is recommended.

DES 1033 - Design Foundations II

This course will develop problem-solving strategies that enable students to combine, manipulate and conceptually explore the elements and principles of design for application into a visual communication process. 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 only. Concurrent enrollment with DES 1023 is required. For interior design majors concurrent enrollment with DES 1113 is recommended.

DES 1043 - Design Foundations III

This course is designed to continue to emphasize the principles of scale, volume, materials, the elements and principles of three-dimensional design as they relate to composition and the activation of space. This course will further develop the visualization and rendering skills of the student with an emphasis on craftsmanship. Prerequisite(s): DES 1023 and 1033. Enrollment open to design majors only. Concurrent enrollment with DES 1053 is required. For interior design majors concurrent enrollment with DES 2143 is required.

DES 1053 - Design Foundations IV

This course will continue to hone critical thinking, conceptual development, research and analytical skills as it pertains to both the 2-dimensional and 3-dimensional environment. This is part of a required foundation sequence that will prepare students for DES 2122. This course will culminate in a Freshman Portfolio Review. Prerequisite(s): DES 1023 and 1033. Enrollment open to design majors only. Concurrent enrollment in DES 1043 is required. For interior design majors concurrent enrollment with DES 2143 is recommended.

DES 1113 - Interior Design I

This course is an introduction to basic interior design principles, materials, components, and space planning. This course also introduces basic drafting techniques used in the drawing of plans, elevations, sections, 3-dimensional representations, and architectural lettering.

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. Prerequisite(s): Enrollment open to design majors and students seeking a graphic design or art history minor.

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 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 2122 - Graphic Design I

This studio course is an in-depth foundation to graphic design: terminology; the process of design; communicating with symbols, text and images; and oral presentations. This course is structured for graphic design majors. Prerequisite(s): DES 1023, 1033, 1043, 1053. Enrollment open to graphic design or interior design majors only.

DES 2133 - Universal Design

This course is the study of ergonomics and appropriate space usage, governmental guidelines and regulations, and the design and specification of accessible spaces. Prerequisite(s): DES 1023, 1033 and 1113. Concurrent enrollment in DES 2143 required. Enrollment open to Interior Design majors only.

DES 2143 - Commercial Design I

This course is an introduction to the basic concepts of problem assessment, space planning, material selection, and presentation of design solutions for commercial spaces. Prerequisite(s): DES 1023, 1033 and 1113 with a minimum grade of "C". Concurrent enrollment in DES 2133 required. Enrollment open to interior design majors only.

DES 2152 - Illustration I

This studio course is a basic introduction to commercial illustration as a communication tool. A variety of techniques and media will be explored to broaden the student's experience in editorial, technical, and product illustration. Prerequisite(s): DES 1023, 1033, 1043, and 1053 with a minimum grade of "C".

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. Enrollment is open to graphic design majors and students seeking a graphic design minor.

DES 2513 - 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 to the Middle Ages including art and design movements, styles, furniture, artists, and designers. Prerequisite(s): Enrollment open to design majors and students seeking an art history minor 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 3133 - Computer Graphics I

This is a studio design course using the Macintosh computer as a tool to help solve and execute problems in page layout, design, typography, illustration, and production. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2122 (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 Middle Ages to the Victorian period including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 2513. Enrollment open to design majors only with sophomore standing or above.

DES 3152 - Typography

This studio course provides an introduction to the fundamentals of type, typographic design, and typographic communication. Course projects address font selection, layout formats, letterform manipulation, and typeface design. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2122, 3133 (or concurrent enrollment) with a minimum grade of "C". Sophomore standing or above.

DES 3163 - Computer Drafting I

This course is an introduction to computer-aided design and drafting techniques used in interior design planning and presentation. This builds upon hand drafting and space planning skills acquired in lower level courses in the interior design curriculum. Prerequisite(s): DES 3323. Sophomore standing or above. Enrollment open to Interior Design majors 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. Enrollment open to graphic design majors only.

DES 3223 - Materials for Interiors

This course is a study of materials used in the design of interior spaces including fire resistant qualities, acoustical properties, and the construction of materials used in finishes and furnishings. Prerequisite(s): DES 3323, with a minimum grade of "C". Enrollment open to interior design majors only. Sophomore, junior or senior standing

DES 3233 - Residential Design

This course is the study of residential construction and space planning, drafting techniques, and the preparation of plans, sections, elevations, and interior details. Prerequisite(s): DES 2513, 2543, 3143, 3223, 3323, 3563 and sophomore standing or above. Enrollment open to interior design majors only.

DES 3243 - Computer Drafting II

This course provides the interior design major with further proficiency in computer-aided drafting techniques, software programs, and digital output. Prerequisite(s): DES 3233, 4143 with a minimum grade of "C" and junior standing or above.

DES 3263 - Cartooning

This studio course is a study of the history, styles, and humor of cartoons. Students will create and produce cartoons for advertising, editorial, and comic pages of print media. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2152 with a minimum grade of "C" and sophomore standing or above.

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. This course replaces ART 3293. Prerequisite(s): Departmental permission required.

DES 3323 - Rendering Techniques

This course is the study of a variety of drawing techniques using markers and other media to produce effective interior design presentations. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1113, 2133 and 2143 with a minimum grade of "C". Enrollment open to interior design majors only.

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 1023, 1033, 1043, 1053 and 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 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 3523 - Design Technology I

This course is an introduction to the design and development of printed presentations using industry- standard graphic design software.

DES 3533 - Design Technology II

This course is an introduction to the design and development of multi-media and online presentations using industry-standard graphic design software.

DES 3563 - Custom Furniture

This course is the study of the design, fabrication, specifications, and installation of furniture built for site- specific or unique spaces. Prerequisite(s): DES 3323 with a minimum grade of "C" and Sophomore standing or above.

DES 3613 - Airbrush Illustration

This studio course will enable the student to develop proficiency in the use of equipment for rendering illustrations and design compositions with an airbrush. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2152 and Sophomore standing or above.

DES 3853 - Illustration II

This studio course is a continuation of Illustration I with an emphasis on techniques, aesthetics, and increasing the students' skills in visual communication, while developing personal style. Students will produce finished illustrations in a variety of media. Prerequisite(s): DES 1023, 1033, 1043, 1053 and 2152 all with a minimum grade of "C".

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 the Victorian period of post-World War II including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 2513 and 3143. Enrollment open to design majors with junior or senior standing.

DES 4213 - Systems Furniture

This course is the study of the specification and installation of systems furniture and procedures for efficient space planning. Prerequisite(s): DES 3323, 3563, and 4143 with a minimum grade of "C". Enrollment open to interior design majors only. Junior standing or above.

DES 4343 - Lighting for Interior Design

This course is the study and presentation of lighting and electrical systems, fixtures, planning, and implementation for interior spaces. Prerequisite(s): DES 3233 and 4143 with a minimum grade of "C" and junior standing or above.

DES 4353 - Illustration III

This Illustration Studio course is offered to Graphic Design students wanting to continue to build upon the skills learned in Illustration I and II. This course will address the factors needed for a student's development of a marketable style in illustration. Students will consider and investigate numerous media techniques and will complete several works demonstrating at least two marketable and unique styles of rendering. Students enrolled in Illustration III will be required to research contemporary successful illustrators working in the market. Students will also be required to pursue publication and network with working illustration and design professionals. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2152 and 3853. Sophomore standing or above. Enrollment open to Design-Graphic Design majors only.

DES 4363 - Sequential Illustration

While other illustration classes focus on the individual illustration to visually communicate a message, Sequential Illustration deals with more complex message and storytelling themes using sequenced im-

ages. This class will consider the development of Graphic Novel concepts, Storyboarding approaches and Comic Strip gags. This course requires students to be prolific in their illustration work, motivated and be passionate about visual storytelling. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2152, 3853 and (3263 or concurrent enrollment). Junior standing or above. Enrollment open to Design-Graphic Design majors only.

DES 4413 - 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. Prerequisite(s): Enrollment open to senior and graduate students from all majors.

DES 4423 - Graphic Design III

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 4443 - History of Interior Design IV

This course is a survey of the development of the history of art and design and their shared histories from post-World War II to present day including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 2513, 3143 and 4143. Enrollment open to design majors only with junior or senior standing.

DES 4453 - Estimating for Interior Design

This course is the study of measuring, calculating, and specifying correct quantities and materials for window, wall, and floor coverings. Prerequisite(s): DES 4213, 4343 and 4443 with a minimum grade of "C" and junior standing or above.

DES 4493 - Commercial Design II

This capstone course is the study of preparing complete interior design solutions, including space planning, lighting design, detailing, presentation boards, finish and furniture specifications, project schedules, and oral presentations. Prerequisite(s): DES 4213, 4343, 4443 with a minimum grade of "C". Enrollment open to interior design majors only. Junior or senior standing.

DES 4513 - Computer Graphics II

This studio course focuses on advanced digital image creation and manipulation for new media and traditional printing techniques in graphic design. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2122 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 2152, 2122, 3133, 3152, 3293 and 4513 with a minimum grade of "C". Junior standing or above.

DES 4533 - Multimedia Design I

This course focuses on current digital editing techniques using the computer and sound and image editing software. Students will create video and digital presentations. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2122, 3133, (3293 or concurrent enrollment) and 4513 with a minimum grade of "C".

DES 4543 - Multimedia Design II

This studio course focuses on interactive media techniques using contemporary authoring software. Students will be able to incorporate skills from Multimedia Design I into an interactive interface for presentation. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3133, 3293 or concurrent enrollment in 3293, 4513 and 4533 with a minimum grade of "C".

DES 4613 - Vector Animation

This course addresses the design and production of vector based animation for web and digital applications. Students will develop concepts, create illustrations and storyboards, and produce their animations in a motion-graphic software application. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2122, 3133, 3293 (or concurrent enrollment) with a minimum grade of "C".

DES 4623 - Design For The Web

This course focuses on the design and construction of web pages in an industry-standard software application. Students will learn to conceptualize, plan, design and user-test websites. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2122, 3133, 3293 (or concurrent enrollment), 4513 with a minimum grade of "C".

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, 2122, 3133, 3293, 4513, 4523 with a minimum grade of "C".

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 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. Prerequisite(s): Junior standing or above and permission of instructor required.

DES 4862 - Graphic Design Practice

This course addresses 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. This course also includes a supervised internship. Prerequisite(s): DES 4513, 3293, 3152, 3133, 2152, 2122, 2113 with a minimum grade of "C" and graduating senior standing.

DES 4873 - Interior Design Practice

This course addresses 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. Prerequisite(s): 4493 with a minimum grade of "C" and graduating senior status.

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.

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 & 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 in Early Childhood

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 and teachers of 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 thirty-six hours of 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. 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.

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 1513. Credit cannot be earned for both ECON 2173 and STAT 3103.

ECON 2203 - Principles Of Macroeconomics

This course is a continuation of the principles of economics involving the production, consumption, and distribution of wealth in a market economy with major emphasis in macroeconomic theory. Prerequisite(s): ECON 2103.

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 modern currency, banking, credit, and financial institutions and their impact upon economic efficiency. Prerequisite(s): ECON 2103, 2203.

^^ Course has leadership content.

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 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 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 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 4313 - Introduction To Econometrics

Application of elementary mathematical and statistical methods to problems in price theory and national income theory. Prerequisite(s): ECON 2103, 2203.

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 4383 - Problems In Manpower Economics

A study of modern problems in utilization of manpower. Prerequisite(s): ECON 2103, 2203.

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 2103 or 2203).

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.

^^ Course has leadership content.

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 4893 - Applied Research & Analysis Tools

This course develops skills required for effective application of economic theory and analysis to problems commonly encountered in the work environment, including skills related to library research, data collection and manipulation, statistical analysis, computers, internet and communication. Prerequisite(s): ECON 1103 or 2203 and STAT 3103 or ECON 2173 (previously DESC 2173).

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 tests, 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 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 performance; 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 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 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 1143 - Composition & Community Service

This course is the same as ENG 1113 but incorporates community service. Students are required to volunteer for service learning projects as part of this course. 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 1173 - English Composition: Honors

This course is the same as ENG 1113 but focuses on the literary needs of honor 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 1233 - Composition & Research: Honors

This course is the same as ENG 1213 but designed for honors 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 1243 - Composition, Community & Research

This course is the same as ENG 1213 but incorporates community service. Students are required to volunteer for service learning projects as part of this class. 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 1252 - Vocabulary Building

This course examines prefixes, suffixes, and etymologies as a means of increasing students' reading comprehension and writing competency. Prerequisite(s): ENG 1113, 1213.

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 2213 - Introduction To Women Studies

An introduction to the academic discipline of women's studies, this course defines terms appropriate to that discipline, surveys the significance of women in history and culture, and examines the social roles of women in economics, politics, education, health concerns, language, and art forms. Prerequisite(s): 12 hours college credit.

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 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 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.

ENG 3033 - Shakespeare

This course examines Shakespearean dramas other than those studied in ENG 3013.

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 3073 - Recent World Drama

This course exposes students to world drama from Ibsen to the present.

ENG 3093 - Wordsworth And Coleridge

this course presents a study of the major poetry and literary criticism of William Wordsworth and Samuel Taylor Coleridge.

ENG 3113 - Byron-Shelley-Keats

This course focuses on the major poetry of Lord Byron, Percy Bysshe Shelley and John Keats.

ENG 3133 - Tennyson And Browning

This course focuses on the poems of Tennyson and Browning.

ENG 3153 - Victorian Age

This course focuses on the prose and poetry of the Victorian period.

ENG 3173 - Short Story

This course examines the origin, traces the development, and analyses the techniques of the short story. Extensive reading is required.

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.

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.

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 3313 - Early European Drama

This course examines miracles, moralities, masques, and the plays of Shakespeare's contemporaries.

ENG 3333 - American Drama

This course examines drama and the theatre in the United States to 1915.

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.

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 3493 - Literature Of American Southwest To 1900

This course examines the folklore traditions of the American Southwest as expressed in oral and written literature.

ENG 3503 - Literature Of American Southwest Since 1900

This course will focus attention on writers who especially reflect the authentic traditions and folklore of the American Southwest.

ENG 3523 - Nonfiction Prose Of Modern America

This course examines the diverse forms of modern nonfiction prose of America, examining various genres and sub-genres such as biography, autobiography, travel literature, belletristic journalism, polemical reporting, the "nonfiction novel" and mixtures of these forms.

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 3543 - Male And Female Rhetoric

This course explores the different ways men and women use language. Students explore these differences through scholarly research by linguists, popular publications, short stories, and movies. Prerequisite(s): ENG 1113 & 1213.

ENG 3843 - Comp and Lang for Teachers

Composition and Language for Teachers builds students' composition and language skills as they prepare to teach those skills in secondary English/language arts classes. 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 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

This course provides a study of basic composition principles and will equip students in various disciplines to write clear technical expository prose, including reports, memorandums, proposals, brochures, and other technical communication formats, designed for specific audiences in each specific professional area. Prerequisite(s): ENG 1113 and 1213.

ENG 4033 - Issues In Technical Writing

This course offers an intensive study of a specific topic within the discipline of technical writing. Content will vary within the limits of the discipline. Prerequisite(s): ENG 1113 & 1213.

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 - Women In Science/Technical Writing

This class will cover the history of scientific and technical writing of women writers from Renaissance through the twentieth century. It will be an historical survey; we will seek thematic links between different historical periods, and move beyond the concepts of scientific "breakthroughs" or "revolutions" to try to understand how women influenced the changes and "breakthroughs" of science and technical writing. We will analyze the texts that women produced, and discuss how these texts interacted with and changed the societies that produced them. Disciplines and professions surveyed include: engineering, physics, chemistry, nursing, medicine, and education. The final goal of the class is an understanding of the general history of science and how science both shapes and is shaped by women. We will also focus on stylistic changes to scientific and technical writing that paralleled changes in scientific and technical thought. Prerequisite(s): ENG 1213 or 1223 with a minimum grade of "C". 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 4093 - 20th Century American Womens Autobiography

This course examines autobiographies written by women during the twentieth century. The course will concentrate on providing a theoretical background and strategies for analyzing women's life writing. 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.

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.

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.

ENG 4153 - Victorian Literature

This course analyzes the works of major British authors, 1830-1901. Prerequisite(s): ENG 1113 and 1213.

ENG 4163 - The Detective Story

The Detective Story places detective fiction in three contexts: an historical context, in which the rise and decline of the detective story and its transformation into the novel of mystery and suspense will be considered; a morphological context, which will focus on the ludic structure common to all detective stories; and a critical context, in which several attempts to treat the detective story with self-conscious artistry will be analyzed and judged. The trust of the course is designed to raise ever more persistent questions about what does and does not constitute seriousness in literary fiction by considering the detective story functionally, in terms of the human desires it satisfies. 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, comparativist, and cultural critics.

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.

ENG 4223 - Contemporary Literature & Culture

This course examines the influence of modern philosophical movements on twentieth century literature.

ENG 4233 - American Novel I

This course focuses on the nineteenth-century American novel in the United States.

ENG 4243 - Chaucer

The course examines the language and poetry of Chaucer.

ENG 4253 - American Novel II

This course focuses on the twentieth-century American novel in the United States to World War II.

ENG 4263 - Literary Criticism

This course examines the standards used in the evaluation of literature. This course replaces 4262.

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.

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.

ENG 4293 - Literary Impressionism

Literary Impressionism provides an intensive study of the major works of Henry James, Joseph Conrad, and Ford Maddox Ford as well as of the literary, philosophical, and artistic contexts, including the Impressionist movement in the visual arts, that influenced these writers and their works. Prerequisite(s): ENG 1113 and 1213 and junior standing or above.

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 4313 - Cinema of the Seventies

This course will examine the development of American cinema over the course of the 1970s. It will analyze films concerning the themes of the environment, freedom, the future, gender, humor (especially dark humor), melancholy, neuroses, police, race, restlessness, and violence. In addition, it will examine the film style of the major directors of the period including Hal Ashby, Francis Ford Coppola, Sidney Lumet, Sam Peckinpah, Bob Rafelson, and Martin Scorsese. Prerequisite(s): Junior or senior standing.

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.

ENG 4333 - Teaching Shakespeare

This is a course in the methods of teaching Shakespeare. In-depth study of four plays, including the study of literary criticism pertinent

to each play, is combined with pedagogical theory and practice. The "performance method" of teaching Shakespeare, defined by Michael Tolaydo and the Folger Teaching Shakespeare Institute, is given special consideration. Prerequisite(s): ENG 1113 & 1213.

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).

ENG 4353 - Issues In Linguistics

This course offers an intensive study of a specific topic within the discipline of linguistics. Content will vary within the limits of the discipline. Prerequisite(s): ENG 1113 & 1213.

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 4393 - Contemporary Poetry

This course offers a detailed study of recent poetry, chiefly American. Prerequisite(s): ENG 1113 and 1213. This course replaces ENG 4382.

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.

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.

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 - African-American Women Writers

This course offers a survey of African-American women writers. In addition to slave narratives, writers included are Zora Neale Hurston, Terry McMillan, Toni Morrison, and Alice Walker. Prerequisite(s): ENG 1113 and 1213.

ENG 4463 - American Indian Literature

American Indian Literature is a critical survey of traditional and contemporary American Indian literature. Students will analyze diverse types of American Indian literary contributions, 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.

ENG 4483 - Milton

This course examines the major poems and selected minor poetry and prose of John Milton.

ENG 4493 - American Indian Authors

American Indian Authors examines a particular American Indian author or selected groups or movements of American Indian 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 - Major Figures & Movements

This course offers an intensive study of specific authors or literary movements. Special attention will be paid to the literary, historical, and critical contexts of the authors or movements selected for study. Content will vary within the department's field of study. Prerequisite(s): ENG 1113 & 1213.

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.

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 4593 - Fitzgerald and Hemingway

Fitzgerald and Hemingway provides an intensive study of the works of Ernest Hemingway and F. Scott Fitzgerald in the context of Jazz Age culture and the literary work of the Expatriates. Prerequisite(s): ENG 1113, 1213 and junior student or above.

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): Sophomore standing or above.

ENG 4613 - 18th Century Poetry: Pope To Cowper

This course offers an in-depth survey of the works of the major poets of 18th-century Britain, including Alexander Pope, Thomas Gray, Anna Laetitia Barbauld, and William Cowper. This course also provides an overview of the major genres and thematic concerns of 18th-century British poetry and traces the development of British cultural attitudes and esthetic sensibilities from the Augustan Age to the beginning of the Romantic Period.

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 2303.

ENG 4643 - Young Adult Literature Before 1980

Young Adult Literature Before 1980 examines literature written before 1980 specifically for or taught to an adolescent audience. Prerequisite(s): ENG 1113 and 1213.

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 4663 - The Beat Movement

This course examines the works of many of the most significant writers of the beat movement in American literature of the 1950s and 1960s, including Allen Ginsberg, Jack Kerouac, and William Burroughs. Prerequisite(s): ENG 1113 and 1213.

ENG 4673 - Young Adult Literature After 1980

Young Adult Literature After 1980 examines literature written after 1980 specifically for or taught to an adolescent audience. 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): 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 methods, 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 4743 - Pre-Shakespearean Literature

Pre-Shakespearean Literature analyzes traditional English texts from the point of view of the creativity of character and their relation to narrative. This course offers an intensive study of different literary forms and their effects on the reader. Prerequisite(s): ENG 1113, 1213 and junior standing or above.

ENG 4753 - Issues In Rhetoric

This course offers an intensive study of a specific topic within the canon of rhetoric. Content will vary within the limits of the discipline. Prerequisite(s): ENG 1113 & 1213.

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 4793 - Character & Culture -18th Cent

Character and Culture in the Eighteenth Century examines representative texts in eighteenth-century English literature that show how human identity was conceived and presented through various literary structures, with special emphasis on the novel and the drama. The growth of the reading public and the rise of the middle class, the invention of biographical writing, the exploration of friendships between men and women, and the dialectic between the individual and society are key issues to be covered in this course. Prerequisite(s): ENG 1113, 1213 and junior standing or above.

ENG 4803 - 20th-Cent Spanish Lit in Trans

Twentieth-Century Spanish Literature in Translation examines twentieth-century works (translated from Spanish into English) by such writers as Unamuno, Lorca, Jimenez, Borges, Mistral, Neruda, Garcia Lorca, Paz, Allende, Anaya, and others. This course explores the interchange of influences between the old world and the new. Prerequisite(s): ENG 1112, 1213 and junior standing or above.

ENG 4813 - American Indian Youth Lit

American Indian Youth Literature studies American Indian children and adolescent literature from a variety of perspectives including traditional educational texts, contemporary texts, and challenged/contentious 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 - English/Language Arts Methods

English/Language Arts Methods dissects the problems and methods of teaching English grammar and composition and literature in secondary schools. Prerequisite(s): ENG 3843 and Admission to Teacher Education. Enrollment open to English Education majors only with junior 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 - American Indian Film

American Indian Film offers a critical survey of early and contemporary American Indian films. Students will analyze diverse types of American Indian cinematic contributions, including 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.

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 1311 - Introduction To Biomedical Engineering

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.

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 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 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.

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 1103, 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 3222 - 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 and 2311. Concurrent enrollment in ENGR 3222L is required.

ENGR 3222L - Digital Logic Design Lab

This course comprises the laboratory component of ENGR 3222. 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 3222 is required.

ENGR 3263 - Introduction To Engineering Optics

This course provides an introduction to geometrical and physical optics. Topical coverage includes reflection, refraction, mirrors, lenses, interference, diffraction, polarization, coherence, and the design of optical instruments. Prerequisite(s): PHY 2114.

ENGR 3302 - Engineering Experimentation

This course provides an introduction to general characteristics measurement systems, statistical analysis of experimental data, experimental uncertainty analysis, data acquisition and control software, and computer software for statistical analysis of experimental data. Prerequisite(s): ENGR 2303 and 2311.

ENGR 3323 - Signals and Systems & Lab

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.

ENGR 3323L - Signals and Systems Lab

This course comprises the laboratory component of ENGR 3323. Experiments and computer simulations are designed to reinforce the concepts covered in the lecture course, and equip students with the basic skills associated with the analysis of signals and systems in the time and frequency domain. Prerequisite(s): 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.

ENGR 3404 - Analog Electronicst & Lab

This course provides an introduction to analog electronics, including theory and application of passive devices, bipolar junction transistors, field effect transistors, and operational amplifiers. Laboratory experience is a principal component of this course. Prerequisite(s): ENGR 2303 and ENGR 2311. Concurrent enrollment in ENGR 3404L is required.

ENGR 3404L - Analog Electronics Laboratory

This course comprises the laboratory component of ENGR 3404. Laboratory experiments emphasize design and analysis of basic analog circuitry. Prerequisite(s): PHY 2114 or 1214 (previously PHY 1213 and 1201). Concurrent enrollment in ENGR 3404 is required.

ENGR 3413 - Materials Science

This course provides an introduction to engineering materials and their uses in engineering applications. Properties of metals, ceramics, polymers, and composites are discussed. Prerequisite(s): PHY 2114.

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.

ENGR 3503 - Mechanical Engineering Lab

This course is intended to provide an experimental background in subject areas covered by several other courses. These subject areas include solid mechanics and thermal-fluid engineering. Additional experiments in other areas of mechanical engineering may be included. This course is also intended to provide team design experience that focuses on an area in mechanical engineering. Prerequisite(s): ENGR 3203 or concurrent enrollment, ENGR 2143 or concurrent enrollment, ENGR 3302 and MATH 3103.

ENGR 3613 - Microprocessors and Lab

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 3222. Concurrent enrollment in ENGR 3613L is required.

ENGR 3613L - Microprocessors Lab

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, and PHY 3883.

ENGR 4113 - Principles Of Biomedical Engineering

This course provides an introduction to applications of physics and engineering principles to biomedical systems. Biological functions of the human body will be studied using mechanics, electricity and magnetism, optics, and thermodynamics. Responses of human biological functions to different bioengineering applications will also be studied. Prerequisite(s): BIO 2604, CHEM 1103, CHEM 1112, MATH 3103, and ENGR 3302.

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, and ENGR 3703 or concurrent enrollment in ENGR 3703.

ENGR 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 and ENGR 4233 or concurrent enrollment.

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 or PHY 3183.

ENGR 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.

ENGR 4233 - Biomedical Instrumentation

This course introduces students to the principles, applications, and design of the medical instruments most commonly used in hospitals. Introduction to theory of measurement and analysis of biological systems. 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): ENGR 3323.

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.

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, MATH 3103, and Junior standing or above.

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.

ENGR 4333 - Digital Signal Processing & Lab

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 algorithms; and IIR and FIR filter design techniques and realizations. Prerequisite(s): ENGR 3323. Concurrent enrollment in ENGR 4333L is required.

ENGR 4333L - Digital Signal Processing Lab

This course comprises the laboratory component of ENGR 4333. Students implement digital signal processing algorithms on a general purpose digital signal processor. Labs include the use of a simulator to develop and high level programming languages to develop and test IIR and FIR filters. Prerequisite(s): Concurrent enrollment in ENGR 4333 is required.

ENGR 4343 - Biomechanics

This course provides the application of mechanics to describe the cardiovascular and musculoskeletal systems. Topics include the interrelationship between biomechanics and physiology in medicine, surgery, and the design of prosthetic devices. Prerequisite(s): ENGR 3203.

ENGR 4412 - 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 4422 Senior Engineering Design II. Prerequisite(s): ENGR 3302, written permission required and Senior standing.

ENGR 4422 - Senior Engineering Design II

This course is a continuation of ENGR 4412 Senior Engineering Design I. Prerequisite(s): ENGR 4412 and senior standing.

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.

ENGR 4613 - Photonics

In this course the ray, wave, and photon formulations of optics are used to understand and design laser systems. Prerequisite(s): PHY 3103 and PHY 3263.

ENGR 4633 - Introduction To 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 or ENGR 3183), and ENGR 3404.

ENGR 4803 - Electromechanical Systems & Mechatronics & Lab

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 ENGR 2043. Concurrent enrollment in ENGR 4803 is required.

ENGR 4803L - Electromechanical Systems & Mechatronics Lab

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 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.

**FAMILY AND CONSUMER SCIENCE EDUCATION
(FACS)**

Department of Occupational and Technology Education

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 4453 - Consumer Management

This course is designed to provide a framework for examining the key areas of personal and family financial decision-making, and the relationship of course content to home economics education.

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.

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): ACCT 2133, ECON 2203, 2173, MATH 2053.

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 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. Prerequisite(s): ACCT 2133, no enrollment restrictions.

FIN 4403 - Contemporary Problems In Banking

This course is designated as a second course in the field of banking. It is designed to acquaint the students with current problems and issues in the banking industry and to provide a format for the discussion of these, plus advanced theories of banking. Emphasis will also be placed on the utilization of case problems and for a discussion of selected readings from the literature of banking. Computer techniques and their applications to banking problems will also be stressed. Prerequisite(s): FIN 4243; junior standing.

FIN 4413 - Financial Institutions

An analysis of the operations, management, and financing problems of the various financial institutions of the United States. Prerequisite(s): 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 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): 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.

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 the study of physical, social, emotional, and cognitive development of children from conception through adolescence. The course's emphasis will be on normal child development within family, social and cultural context. Observation assignments will be utilized as a method of studying children.

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 Thru 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 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 3012 - Introduction To Family Life Education

This is an introductory course into the major area of study in Family Life Education. This course includes professionalism, organizations, child and family advocacy, and research in FLE field and FLE career opportunities. Ethical codes of conduct and standards will be studied. This course is open to Family Life Education majors and sophomores, juniors, and seniors.

FMCD 3093 - Middle Childhood Development/Field Study

This course will study the normal growth and development of children between the ages of 5-6 and 12 years. The characteristics of school age children in the following areas will be studied: physical, cognitive, and psychosocial. Special emphasis will be on developmental stages and behavior through field experiences and class discussion. 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 3252 - Cognitive & Moral Development

This course is a study of cognitive and moral theories of development and how the theories influence behavior, values and ethics. This course will include examination of the major theorists in the field of cognitive and moral development, their research and the resulting theories. Prerequisite(s): FMCD 2213 and junior standing.

FMCD 3313 - Guidance Of The Young Child

This course will focus on the developmental needs and behavior of young children with emphasis on methods and principles of guidance. This course includes laboratory experience in the child study center. Prerequisite(s): FMCD 2213 or PTE 4133.

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): Junior or senior standing.

FMCD 3723 - Infancy/Early Childhood Development/Field Study

This course will study prenatal development, birth, infancy, and early childhood. Special emphasis will be placed on the developmental stages and behavior through class discussion and field experience. This course replaces FMCD 3722. 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 for young children. This course will examine formal and informal means of evaluating children and families. Observation and field experience will allow for active participation with assessment and evaluation. 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 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 development 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 - Contemporary American Families

This course centers around the family as it moves through the stages of the family life cycle emphasizing development and relationships of family members.

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 4453 - Social Gerontology Today

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. 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): Senior standing.

FMCD 4712 - Parent Education

This course is an in-depth study of programs that facilitate parent education. The history of parent education programs and group dynamics of home-based parent education programs will be studied.

FMCD 4874 - Play, Curriculum And Program Development

This course is a study of how to plan for play and developmentally appropriate curriculum in a program for young children. This course will examine philosophy, developmental stages of play and curriculum to create a model program for early childhood programs. This course replaces FMCD 4872. Prerequisite(s): 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 Science

FMKT 1203 - Basic Clothing Construction

This course will focus on the fundamental principles of fabric selection and construction and their application to simple garments. This course is open to all students with no previous sewing experience.

FMKT 1303 - Introduction To Textiles

This course is a study of the factors involved in the selection and purchasing of textile materials including identification of fibers, fabrics, weaves, yarns, colors and finishes.

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 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 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 merchandising issues for the purpose of researching and developing individual business plans for apparel retail or production utilizing entrepreneurship concepts; market analysis; accounting and control; merchandising and buying; operations and management; and advertising and promotion. Prerequisite(s): FMKT 2113, 3243.

FMKT 4343 - Image Building For Job Success

This course is designed to help students look and feel more attractive. Emphasis will be placed on body movements, cosmetics, and fashion and how they affect self image and color one's relationship with others.

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 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 Mrktg

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 profession. 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 - Intro 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 - Intro 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. Prerequisite(s): Enrollment open to funeral service majors only.

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 1114.

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 3492 - Counseling In Funeral Service

This course introduces the student to the art and science 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 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 co-requisite, and is to be taken in the semester prior to graduation. Prerequisite(s): All required degree courses of major with exception of co-requisite 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): ACCT 2223 or ACCT 2113. Enrollment open to funeral service majors only.

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 co-requisite 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 1003 - Elementary French Conversation I**

A general introduction to French conversation for individuals with no previous formal study of French. This course does not apply toward the major or minor.

FRCH 1013 - Elementary French Conversation II

This course is the sequel to Elementary French 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): FRCH 1003.

FRCH 1114 - Elementary French I

This course is an introduction to French pronunciation, conversation, grammar, reading and composition. Credit may not be earned for both FRCH 1114 and FRCH 1243.

FRCH 1224 - Elementary French II

This course is a sequel to Elementary French I. Credit may not be earned for both FRCH 1224 and FRCH 1263. Prerequisite(s): FRCH 1114 or one year high school French.

FRCH 1243 - Basic French Reading Skills I

An intensive course in reading skills which includes necessary basic principles of pronunciation and grammar. This course is designed for students whose foreign language objective is the acquisition of a reading knowledge of French. May not be used to satisfy requirements for a French major or minor. Credit may not be earned for both FRCH 1114, FRCH 1243.

FRCH 1263 - Basic French Reading Skills II

Continuation of FRCH 1243. May not be used to satisfy requirements for a French major or minor. Credit may not be earned for both FRCH 1224 and FRCH 1263. Prerequisite(s): FRCH 1243.

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 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 3103 - Early French Culture And Civilization

A study of various aspects of French culture and civilization from the origins to the Renaissance. Prerequisite(s): 14 hours of French.

FRCH 3113 - Modern French Culture And Civilization

A study of the various aspects of French culture and civilization from the Renaissance to the present. Prerequisite(s): 14 hours of French.

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): 14 hours of French including 2113, 2223.

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 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): 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 - Survey French Literature To 1800

Prerequisite(s): 17 hours of French.

FRCH 4133 - Survey French Literature Since 1800

Prerequisite(s): 17 hours of French.

FRCH 4163 - Early French Drama

This course presents the major literary developments in French drama by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of French.

FRCH 4173 - Modern French Drama

This course presents the major literary developments in French drama by movement, period, or author in the 19th and 20th centuries. Prerequisite(s): 17 hours of French.

FRCH 4183 - Early French Novel

This course presents the major literary developments in French novel by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of French.

FRCH 4193 - Modern French Novel

This course presents the major literary developments in French novel by movement, period, or author through the 19th and 20th centuries. Prerequisite(s): 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): Seventeen 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): 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.

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.

FRCH 4950 - Internship In French

Credit will vary from 1 to 8 hours.

FRCH 4960 - Institute In French

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FRCH 4970 - Study Tour In French

Credit will vary. Subject matter will vary within the department's field of study.

FORENSIC SCIENCE (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 experientially-based procedures as they are applied in the criminal justice system. Prerequisite(s): Completion of general education physical science requirement.

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 3990 - Adv Topics in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4043 - 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 and junior standing or above.

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 and junior standing or above.

FRSC 4253 - Forensic Science Analysis & Lab

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 and junior standing or above. Concurrent enrollment in FRSC 4253L is required.

FRSC 4253L - Forensic Science Analysis Lab

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 4313 - Forensic Pathology & Anthro

Forensic Pathology and Anthropology serves as a comprehensive study of multidisciplinary scientific principles and techniques which comprise the modern basis in human death investigation and human remains recovery. Emphasis is placed on forensic pathology, anthropology, odontology, and the detection and recovery of human remains. Prerequisite(s): FRSC 2503 and junior standing or above.

FRSC 4323 - Forensic Toxicology & Lab

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 and junior standing or above. Concurrent enrollment in FRSC 4323L is required.

FRSC 4323L - Forensic Toxicology Lab

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 & Lab

This lecture and laboratory course presents advanced principles of serology and DNA identification techniques with forensic laboratory applications. This course includes the theory and practice of techniques used to identify and individualize biological samples having a forensic interest. Related database applications are discussed and practiced. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratory. Prerequisite(s): BIO 3304 and junior standing or above. Concurrent enrollment in FRSC 4333L is required.

FRSC 4333L - Forensic Molecular Biology Lab

This is the laboratory course that accompanies FRSC 4333. Prerequisite(s): FRSC BIO 3304 with junior standing or above. Concurrent enrollment in FRSC 4333 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 and junior standing or above.

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 and junior standing or above.

FRSC 4463 - Digital Forensics

Digital Forensics 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 NTRS based file systems, forensic methodologies, and the proper documentation of digital forensic examinations. Prerequisite(s): FRSC 2503 and junior standing or above.

FRSC 4513 - Forensic Chemistry & Lab

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 and junior standing or above. Concurrent enrollment in FRSC 4513L required.

FRSC 4513L - Forensic Chemistry Lab

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 & Lab

Forensic Microbiology is an introduction to modern uses of the stereomicroscope, compound light microscope, polarized light microscope, fluorescence microscope, phase-contrast microscope and the SEM/TEM in a forensic context. Topics and analytical techniques covered include specimen preparation, staining and contrast methods, electron micrographs and other analytical approaches to forensic science. An introduction into field deployable microscopic techniques, physical match examinations, and lamp filament examinations will also be covered. Prerequisite(s): FRSC 2053, BIO 1214 and junior standing or above. Concurrent enrollment in FRSC 4533L required.

FRSC 4533L - Forensic Microscopy Lab

Forensic Microscopy Lab accompanies FRSC 4533. Prerequisite(s): FRSC 2503, BIO 1214 and junior standing or above. Concurrent enrollment in FRSC 4533 required.

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 FRSC

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 Lab

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 - Cultural Geography

This course 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 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

This course is an exploration of geographic field methods, archival research, information analysis, and map interpretation skills. Prerequisite(s): GEO 1403 or 1203 or 1103 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 3113 - Introduction To Geographic Information Systems

This course 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): Basic computer skills.

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 Africa

This course examines the human and physical geography of Africa including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3173 - Geography Of Australia & Major Pacific Islands

This course examines the human and physical geography of Australia and the major Pacific Islands 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 3193 - Geography Of The Developing World

This course surveys the human and physical geography of the developing world including physical regions, economic activities, political trends, and environmental issues.

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 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 3323 - Introduction to American Indian Studies

Introduction to American Indian Studies is an interdisciplinary examination of the field of American Indian Studies. Specifically, the course will survey one or more of the following: art, geography, history, law, literature, music, philosophy, religion, and contemporary issues. Prerequisite(s): ENG 1113 and 1213.

GEO 3403 - Geography Of The Western Pacific

This course is a comprehensive and comparative study of the countries of East and Southeast Asia. Included is discussion of the human and physical geographies of these regions; intra-national relations; and the relations between countries of the Western Pacific and the rest of the world.

GEO 3503 - World Political Geography

Fundamentals of political geography. Survey of geopolitics. Study of the world's critical areas.

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 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 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 4533 - Geography Of South & Southwest Asia

This course is an intensive study of one of the most critical regions in the world. The region includes the resource-rich Middle East and the populous Indian subcontinent. Major focus is on resource politics and religious conflicts. Prerequisite(s): Junior 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 4703 - Geographical Information Systems For K-12 Educator

This course introduces geographic information systems as tools for illustrating geographic concepts in K-12 education. The primary focus is on theoretical and practical knowledge of GIS software, as well as applying that knowledge to standards-based education models. Prerequisite(s): Junior or senior standing.

GEO 4713 - Advanced GIS

This course expands on the fundamental GIS concepts learned in GEO 3113, Introduction to Geographic Information Systems. Through "real world" data collection and analysis, advanced functions of GIS will be introduced, including geocoding, avenue programming, arcview spatial analyst, arcview network analyst, and the use of the Global Positioning System (GPS). Prerequisite(s): GEO 3113 and sophomore standing or above.

GEO 4733 - Advanced GIS: Urban/Social

Advanced GIS: Urban/Social examines theory and techniques applied to urban and social issues including urban and regional planning, urban ecology, crime analysis, geocoding, and demographic analysis. Emphasis on geodatabase design, project development and project implementation. Advanced mapping and data analysis using spatial analyst and geographic visualization using 3D analyst and ArcScene. Prerequisite(s): GEO 3113 and junior standing or above.

GEO 4743 - Advanced GIS: Environmental

Advanced GIS: Environmental examines the environmental/ecology applications that include 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. Field experience for GPS collection techniques. Prerequisite(s): GEO 3113 and (GEO 1204 or 3703 or permission of instructor). Junior standing or above.

GEO 4813 - Geographic Current Affairs

This course 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 - Geographic Thought & Research

This course is the capstone course for the Geography major. It explores the progression of geographic thought from Ancient Greece to the present. Prerequisite(s): GEO 3013 and 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

This course is an introduction to German pronunciation, conversation, grammar, reading and composition. Credit may not be earned for both GERM 1114 and GERM 1243.

GERM 1224 - Elementary German II

This course is a sequel for Elementary German I. Credit may not be earned for both GERM 1224 and GERM 1263. Prerequisite(s): GERM 1114 or one year high school German.

GERM 1243 - Basic German Reading Skills I

An intensive course in reading skills which includes necessary basic principles of pronunciation and grammar. This course is designed for students whose foreign language objective is the acquisition of a reading knowledge of German. May not be used to satisfy requirements for a German major or minor. Credit may not be earned for both GERM 1243, GERM 1114.

GERM 1263 - Basic German Reading Skills II

Continuation of GERM 1243. May not be used to satisfy requirements for a German major or minor. Credit may not be earned for both GERM 1263 and GERM 1224. Prerequisite(s): GERM 1243.

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): 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): 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): 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): 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): 17 hours of German.

GERM 4133 - Survey German Literature 1800 - Present

Prerequisite(s): 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): 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): 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): 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): 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): Seventeen 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): 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.

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 - World History**

A survey of major features of the principal civilizations of the world, as they were originally formed and as they have been altered during the past four centuries by the forces of modernity. Defines the major traditional features of each civilization. Emphasizes a world view, not only western but eastern as well. Describes different philosophies and experiences of other cultures and examines how these civilizations intermesh to produce the world that exists today.

HIST 1013 - World History I

World History I introduces students to political, social, and cultural connections and developments in non-Western civilizations from antiquity to the age of discovery.

HIST 1023 - World History II

World History II introduces students to political, social, and cultural developments in non-Western civilizations and cultures from the age of discovery to the late twentieth century.

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 - A History of African Americans

This course develops an overview of the African American experience from the pre-colonial African period, into earliest contact with the Americas, down to the dawning of the 21st century. The student will learn to recognize, assess, and analyze the value of this rich heritage within the context of U.S. history. Prerequisite(s): Freshman or sophomore standing.

HIST 1483 - History Of U.S. To 1877

This course is a survey of American history from the discovery of the New World through the Civil War.

HIST 1493 - History Of U.S. Since 1877

This course is a survey of American history from the conclusion of the Civil War 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 - The American Indian

A study of the history and culture of North American Indians from the pre-Columbian period to the federal Indian policies of the 20th century.

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 In U.S. History

This course is designed to cut across academic disciplines and serve students from across the University. Enrollees in this course will first reflect upon 20th and 21st century developments in Race, Class, and Gender issues in America and then place them in the context of American history, dating from pre-Columbian, Meso-America to the Modern Era. Students will engage in library and field research projects designed to help formulate a fuller comprehension of this historical context of contemporary race, class, and gender dynamics. Prerequisite(s): HIST 1483 or 1493 and ENG 1113 and 1213 (or, for international students, ENG 1153 and 1223). At least junior standing.

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 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 3303 - Oklahoma History

A study of the development of the state of Oklahoma from its earliest exploration to the present.

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 3343 - Introduction To Archaeology

Reviews the history of archaeology, examines the work methods of the archaeologist, and in general demonstrates how the discipline has contributed to our knowledge of the life and culture of prehistoric and classical age man. Field trips and guest appearances by professionals in the field give students direct contact with the work of the archaeologist.

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 - Economist Contemporary Affairs

Economist Contemporary Affairs describes and explains contemporary global events and developments. This course may be taken four (4) times for credit.

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 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 3613 - Tudor-Stuart England

The rise of the "new" monarchy; constitutional development and crises in the 16th and 17th centuries; the English Reformation; the Elizabethan settlement; and the policies and wars of the later Stuarts.

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 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 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 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 4303 - Indians Of The Southwest

A study of the social, cultural and intellectual history of the Indians of the American Southwest from prehistoric times to the present.

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 Hist 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 - American Indian Women

This course examines the varied historical experiences of American Indian women. This course provides a chronological framework through which to examine more than four centuries of encounter, resistance, accommodation and change. Themes include: origins and cultural development; the impact of European contact; assimilation, acculturation, adaptation; U.S. federal Indian policies; boarding school experiences; American Indian arts and crafts; the Southwest tourism industry; Native women's resistance and activism. Prerequisite(s): HIST 1483 or 1493 and junior or senior standing.

HIST 4423 - Women in the American West

This course examines women in the American West from the early 1800s to the 1980s. Through the study of individual women's lives and texts as well as historians' interpretations of women's experiences, this course traces regional identity, mobility and cultural representations in an effort to understand how women shaped the American West. Prerequisite(s): HIST 1483 or 1493 and junior or senior standing.

HIST 4433 - American Colonial Period, 1492-1763

This course covers American history from the European discovery to the Treaty of Paris in 1763. Prerequisite(s): HIST 1483 or 1493 and 3113.

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 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 - American Revolution & Early Nationalism, 1763-1815

This course covers American history from the end of the French and Indian War in 1763 until 1815. Prerequisite(s): HIST 1483 or 1493 and 3113. This course and HIST 4553 replace HIST 4523.

HIST 4543 - Black Experience In American West

An examination of the black experience in the Trans-Mississippi from the sixteenth century to the late 20th century. Special attention is devoted to the contributions of black people to the development of American culture as cowboys, farmers, laborers, soldiers.

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 and 3113. 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 4603 - Gilded Age/Progressive Era, 1876-1919

This course is a detailed study of American history from the Hayes-Tilden election to the end of World War I. Prerequisite(s): HIST 1483 or 1493 and 3113.

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

This course focuses on the interpretation of material culture, including research and exhibit planning and evaluation; contemporary issues in museum interpretation; museum education and the public dimension of museums.

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 and 3113.

HIST 4643 - Anth: 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 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 4673 - The Old West

The American frontier from the founding of the North American colonies to the Louisiana Purchase, with emphasis on the social and political problems of the early westward movement.

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 - The Trans-Mississippi West

The American frontier from the Louisiana Purchase to the beginning of the twentieth century with emphasis on the economic, political and social adjustments and society in an arid region.

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 - African American Experience To 1900

In this course students will study in some detail the African and Latin American/Caribbean roots of the African American heritage, then proceed to analyze the first 280 years of the African-American experience in English North America. Considerable time will then be devoted to examining the historical record of this experience through slavery, emancipation/abolition and the early years of freedom to the nadir of the pre- Progressive Era struggles for equality.

HIST 4763 - African American Experience since 1900

In this course students will study in some detail the African American Experience from the nadir of the dreams of liberation, as the victorian Era came to an end and the so-called Progressive Era began, down to current liberationist struggles and debates. Considerable time will then be devoted to examining the historical record of this experience through the lynching and Ku Klux Klan craze of the Jim Crow, Progressive Era, through the African-American sacrifices made during World War I, the Great Depression, World War II, the Civil Rights and Black Power movements, into the continuing debates about the meaning of Black Liberation and how to achieve it.

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 - Sociological/Cultural History Of U.S. To 1865

A study of the social, cultural and intellectual life of the United States from colonial times to the Civil War.

HIST 4833 - Sociological/Cultural History Of U.S. Since 1865

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 - History Of U.S., 1945 To Present

This course is an advanced study of the political, economic, social and cultural evolution of the United States from the end of World War II to the present. Special emphasis is given to the expanded role of the United States in world affairs. Prerequisite(s): HIST 1483 or 1493, and 3113.

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 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.

HEALTH (HLTH)**Department of Kinesiology and Health Studies****HLTH 1112 - Healthy Life Skills**

This course will provide comprehensive investigation into the current methods of health promotion and disease prevention. Knowledge and practical application in the areas of fitness, nutrition, substance abuse prevention, and other positive life skills will be emphasized.

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 2203 - Introduction To Community Health

The course will provide an introduction to the various aspects of community health at local, county, state, federal, and international levels. A survey of selected career opportunities for the health professional will be included in the course content. Prerequisite(s): HLTH 1112. This course replaces HLTH 1203.

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 - Health Concepts For K-12

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. Junior or senior standing. Enrollment open to Physical Education/Health majors only.

HLTH 3162 - 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 his level of health and quality of life. Prerequisite(s): HLTH 1112 or junior standing.

HLTH 3203 - Prevention And Control Of Disease

This course provides a foundation for the study of infectious diseases as well as chronic diseases. The focus is on the nature of the disease process, which includes the disease history and symptoms, as well as the spread, control, and treatment of the disease. The language of health statistics will be incorporated into this course. Prerequisite(s): HLTH 2203. 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 - Consumer Health & Mass Media

This course will include an identification and analysis of current consumer health factors affecting society. Emphasis will be on criteria for selecting sources, products and services that affect the well-being of the individual and society. Furthermore, this course will focus on developing health advocacy campaigns by using the media. Students will learn how best to advocate health messages through a variety of media sources and will develop strategies for risk communication. Prerequisite(s): HLTH 1112 with junior standing or above.

HLTH 3313 - Substance Prevention Education

This course 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 3403 - Leadership & Value Formation

This course is designed to explore the attributes of leadership and values 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. Students will create a professional resume, and students will develop their own personal Individual Development Plan based on their values as they prepare to be leaders in the health field. Prerequisite(s): HLTH 1112 and junior standing or above.

HLTH 3412 - Nutrition For Sport & Fitness

The course will examine sound nutritional knowledge and practices based on current scientific literature essential to optimal health for all populations engaged in various levels of activity. Credit may not be earned for both HLTH 3412 and NTRN 1513.

^HLTH 3452 - Group Dynamics

This course focuses 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.

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 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 Certification Health Education Specialist (CHES) credentials. Prerequisite(s): HLTH 2203 with junior standing or above.

^ This course is applicable to the Leadership minor.

HLTH 4313 - Social Health And Sexual Interaction

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): Junior/senior standing and/or FMCD 2313.

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. Competency is geared toward matriculating Certified Health Education Specialists (CHES). Prerequisite(s): HLTH 2203 and 4203 with junior standing or above.

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 In Health

Credit varies from 1 to 4 hours. Supervised in-service training appropriate to the individual's selected area of concentration with planning and supervision done jointly by the college staff and agency representative.

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: Community Health

Credit will vary from 1 to 4 hours. The internship is an in-depth/long-term field experience which provides the learners an opportunity to further acquire and develop knowledge and skills and participate in a capstone learning experience using the principles and concepts gained from course work. Prerequisite(s): HLTH 1112, 2203, 3103, 3202, 4203, 4902 plus 4 hours of 3000/4000 level health courses and written permission of instructor.

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 art as a focal point of analysis.

HUM 2303 - Music and Culture

This course is an interdisciplinary study of Western and Non-Western traditions using music as a focal point of analysis.

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 3083 - Film Criticism

This course is a formal examination of film, film criticism, and the cinematic arts. Classic, experimental, and popular films are analyzed as expressions of the intellectual, emotional, and artistic concerns of the 20th century. Prerequisite(s): Junior standing.

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 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 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 4153 - Love

This course is an interdisciplinary study of the interpretations of love in art, cinema, literature, philosophy, and theology.

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 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 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 3323 - International 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.

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 4363 - Working/Age of Technocracy

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.

**INSTRUCTIONAL MEDIA (IME)
Department of Advanced Professional Services**

IME 1102 - Use of the Library

An introduction to the classification of library books, use of the card catalog, periodical indexes and basic reference works. 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.

^^ This course has leadership content.

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 2012 - 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 - Introduction To Management Science

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, and decision analysis. Application of these techniques in areas such as production, marketing, finance, and accounting are covered. Students are introduced to the use of computer software packages. Prerequisite(s): ECON 2173.

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.

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 3363 - Implementing End User Systems

This course will focus on developing and implementing business applications using the internet, spreadsheet software, and database management tools. Information systems techniques will be used to solve managerial and organizational problems of limited complexity with popular microcomputer application programs. In addition, protocols, procedures and tools associated with the internet will be used to enhance the business organization and the business problem solving process. Prerequisite(s): ISOM 3263.

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/DESC 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

This course 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 2313 or ISOM 3123) and 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. Through student projects, students will apply concepts learned to an actual organization. Credit may not be earned for both ISOM/DESC 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/DESC 3363.

ISOM 4303 - Business Application Architecture

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 4343 - Managing Operations Technology

This course is intended as an integrating experience for students studying operations management. The course will provide a basic understanding of how new technologies are integrated into the workplace for competitive advantage. Students completing the course will be prepared to eventually lead companies with significant world class operations. The course will cover operations from the standpoint of both manufacturing and services. Prerequisite(s): Senior standing, ISOM 4043

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 (previously DESC 2173), MGMT 3103.

ISOM 4363 - Information Systems Management

This course is designed to integrate general system theory, organization theory, and information systems theory into the development of a framework for the development, implementation, and management of information systems. Theory, at all levels, will be covered with emphasis on explaining the nature and relevance of functional subsystems. Relevant computer hardware and software will be discussed. Prerequisite(s): Senior standing, ISOM 4163 or 4263.

ISOM 4463 - Business Data Communications

This course introduces students to both managerial issues as well as the supporting technical knowledge needed to plan and manage today's business communication systems. Topics include local area networking, internet concepts, telecommunications, and client server computing. Prerequisite(s): ISOM/DESC 3363.

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.

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

This course 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.

JAPN 1224 - Elementary Japanese II

This course is a sequel to Elementary Japanese I. The student will continue the study of Kanji, mastering approximately 150 Kanji. Prerequisite(s): JAPN 1114.

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 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.

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 3632 - 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. Junior or senior standing. 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 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.

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).

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 1041 and 1041L. Enrollment is open to Kinesiology-Ex/Fitness Mgmt majors only with junior standing or above.

KINS 4433 - Management Principles in KINS

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. Enrollment is open to Kinesiology-Ex/Fitness Mgmt majors with junior standing or above.

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 and junior standing or above. Enrollment open to Kinesiology-Ex/Fitness Mgmt majors only.

KINS 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

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 responsibilities. Prerequisite(s): KINS 3403, 3623, 4263, 4323, 4413, 4433, 4523 and 4900. Enrollment open to Kinesiology-Ex/Fitness Mgmt. majors only with senior standing.

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.

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.

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 0000 - UCO Mentor**^ LEAD 1113 - Introduction to Leadership**

This course introduces the basic tenets of leadership. Major emphasis will be placed on select leadership theories, values clarification and character development.

^ LEAD 1213 - Leadership Development

Leadership Development provides students with the opportunity to discover the meaning and application of leadership in terms of its integral characteristics, global impact, and teamwork saliency. By the end of the course, students will also be able to effectively analyze and guide their personal development in terms of leadership. Prerequisite(s): Enrollment open to freshmen students only.

^ LEAD 1320-1- 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. Students who choose to take the course for credit may earn either 1 or 2 credit hours.

^ LEAD 1333 - Servant Leadership

This course provides the student an opportunity to take an in-depth look at Servant Leadership. Based on the 10 characteristics of a servant leader, the students will begin to both understand and adapt to the attributes that are associated with that of a successful servant leader. Prerequisite(s): Enrollment open to freshmen students only.

^ 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 2523 - Be a Leader: Act the Part

This course is designed to teach students to identify and employ the qualities needed for effective leadership through an experiential approach, including active participation in acting, directing, and design workshops.

^ 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 3223 - Leadership Studies/Transfers

This course is designed for students who have distinguished themselves in leadership roles at the community college level, this course provides advanced and in-depth leadership education and practical experience through lecture, group projects, extensive reading and writing assignments and service activities. Prerequisite: Junior standing or above.

^ LEAD 3313 - Leadership & Civic Engagement

This course explores the role of leadership and commitment to civic responsibility and action. Prerequisite(s): LEAD 2213 with a minimum grade of "C" and junior or senior standing.

^ LEAD 3513 - Leadership Communication

This course will examine relationships between effective communication and quality leadership in multiple contexts. This course is cross-listed with COMM 3513 and credit may not be earned for both COMM 3513 and LEAD 3513. Prerequisite(s): LEAD 2213 or permission of instructor.

^ 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 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

^ LEAD 4213 - Ethics and Leadership

This course explores the ethical approaches to and ethical problems surrounding leadership in both the public and private sectors. Prerequisite(s): LEAD 2213 with a minimum grade of "C" and junior or senior standing.

^ LEAD 4893 - Civic Leadership Capstone

This course provides practical experience for students pursuing training in leadership. Venues will vary upon approval of the instructor of the course. Prerequisite(s): 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 Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

^ LEAD 4950 - Internship in Leadership

Credit will vary from 1 to 8 hours.

^ This course is applicable to the Leadership minor.

^ 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 Environment Of Business

This course provides an overview of the American legal system, 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.

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 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 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.

MEDIA ARTS (MART)**Department of Theatre Arts****MART 2000 - Topics In Media Arts**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 3000 - Workshop In Media Arts

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.

MART 3990 - Advanced Topics In Media Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 4900 - Practicum In Media Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 4910 - Seminar In Media Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 4920 - Workshop In Media Arts

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.

MART 4930 - Individual Study In Media Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 4940 - Field Study In Media Arts

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MART 4950 - Internship In Media Arts

Credit will vary from 1 to 8 hours.

MART 4960 - Institute In Media Arts

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MART 4970 - Study Tour In Media Arts

Credit will vary. Subject matter will vary within the department's field of study.

^ This course is applicable to the Leadership minor.

MATHEMATICS (MATH)**Department of Mathematics and Statistics****MATH 1113 - Mathematics For General Education**

This course surveys mathematical topics that are not intended as a preparation or substitute for College Algebra. Topics include sets, logic, probability, statistics, matrices, geometry, numeration systems, number systems, and the real number system. Prerequisite(s): Three units of high school mathematics or the equivalent.

MATH 1453 - College Algebra For Business

This course exposes students to equations and inequalities, as well as functions and their graphs, including polynomial, rational, exponential and logarithmic functions. Students solve problems in financial mathematics, systems of linear equations, and linear programming. Credit may be earned in only one course from MATH 1555, 1453, 1513. Prerequisite(s): Three years of high school mathematics or the equivalent.

MATH 1513 - College Algebra

The course content includes complex numbers, equations and inequalities, graphing, functions, variation, systems of equations, matrices and determinants, zeros of polynomials, mathematical induction, the binomial theorem, and sequences. Credit may be earned in only one course from MATH 1555, 1453, or 1513.

MATH 1555 - College Algebra & Trigonometry

This is an integrated course covering topics in college algebra and trigonometry. The course content includes the study of exponential, logarithmic and inverse functions, as well as solutions of linear equations using matrices and determinants. Credit may be earned in only one course from MATH 1555, 1453, 1513.

MATH 1593 - Plane Trigonometry

The course content focuses on trigonometric functions, equations and identities. Students will also learn solutions of triangles and the trigonometric representation of complex numbers.

MATH 1643 - Introduction To Engineering w/Computer Applications

This course will introduce students to topics from various branches of engineering. The course content includes problem solving, programming and computer applications, as well as introduction to engineering terminology and reference sources. Prerequisite(s): MATH 1555.

MATH 1743 - Technology And Mathematics

This course will introduce students to the use of spreadsheets, mathematical engines, (e.g., Maple, Mathematica, and Matlab), graphing calculators, and other forms of technology in interdisciplinary applications related to mathematics. Additionally, an introduction to the theory and practical considerations involved in electronic computation will be presented. Prerequisite(s): MATH 1513 or 1453 and MATH 1593 or 1555.

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 - Calculus & Statistics for Business

This course is designed to equip business students with the tools to solve problems in set theory, probability, combinatorics, and statistics. This course also explores the mechanics underlying differential and integral calculus, as well as their applications to business. Prerequisite(s): MATH 1453.

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.

MATH 2123 - Discrete Mathematics

This is an introductory course including topics from logic, Boolean algebra, set theory, permutations and combinations, graph theory, relations, algorithms and probability. Prerequisite(s): MATH 1513.

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.

MATH 2153 - Bio-Calculus

This course is an introduction to calculus with an emphasis on biological applications. Students will be exposed to discrete dynamical systems, allometric modeling, limits, continuity, the derivative (with applications), techniques of differentiation, and optimization. Prerequisite(s): MATH 1513 with a minimum grade of "C" or high school Algebra II with a minimum grade of "C".

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) or MATH 1555.

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 and the fundamental theorem of calculus. Prerequisite(s): MATH 1513 (or high school Algebra II) and 1593 (or high school Trigonometry) or 1555.

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.

MATH 2333 - Calculus 3

This is the third course of a four-semester sequence of differential and integral calculus with applications. The course covers infinite series, conic sections, parameterized curves, polar coordinates, vectors and analytic geometry in space, vector-valued functions, the TNB-frame, curvature and torsion. Prerequisite(s): MATH 2323 or 2305

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.

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, the methods of undetermined coefficients and variation of parameters, operators, series solutions, Laplace transforms, numerical solutions, and their applications. Prerequisite(s): MATH 2343 or concurrent enrollment in MATH 2343 and permission of department chair.

MATH 3113 - Foundations of Advanced Mathematics

This course introduces techniques of mathematical proof with focus on properties of the real number system. Topics include elementary symbolic logic, mathematical induction, algebra of sets, relations, functions, countability, combinatorics, and graph theory. Prerequisite(s): MATH 2323.

MATH 3123 - College Geometry

This course covers advanced Euclidean geometry, including geometric construction, elements of the triangle and their relations, homothety, harmonic division, inversion, and the nine-point circle. Prerequisite(s): MATH 2323.

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.

MATH 3143 - Linear Algebra

This course covers elementary operations in matrix algebra, determinants, inverses of matrices, rank and equivalence, linear equations and linear dependence, vector spaces and linear transformations, the characteristic equation of a matrix, bilinear, quadratic, and hermitian forms. Prerequisite(s): MATH 2333.

MATH 3163 - Elementary Number Theory

This course covers the divisibility of integers, congruences, quadratic residues, mathematical induction, distribution of primes, diophantine equations, numerical functions, and continued fractions. Prerequisite(s): MATH 3113.

MATH 3183 - Introduction To Modern Algebra

This course introduces sets, relations, algebraic systems, logic and techniques of proof through an axiomatic approach to number systems, groups, rings, and vector spaces. Prerequisite(s): MATH 3113.

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.

MATH 3263 - Numerical Analysis I

This course covers iterative methods including Newton's methods and Steffensen's methods for solving nonlinear equations, rate of convergence, quotient-difference algorithms, matrix computations, methods for solving systems of equations, and Lagrange interpolation formulas. Prerequisite(s): MATH 3103 (programming languages required).

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 4103 - Numerical Analysis II

This course covers numerical solutions of ordinary differential equations, introduction to linear programming, error analysis as well as the study of quadrature formulae. Prerequisite(s): MATH 3263.

MATH 4113 - Introduction To Operations Research I

This course covers formulation, graphical and simplex solutions of linear programming problems, duality and sensitivity analysis with applications including the transportation model and its variants, network models including PERT and CPM and goal programming. Prerequisite(s): MATH 3143.

MATH 4123 - Introduction To Operations Research II

This course covers the integer linear programming, deterministic dynamic programming, deterministic inventory models, decision analysis, games, and queuing systems. Prerequisite(s): MATH 4113.

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.

MATH 4143 - Introduction to Analysis 1

This course introduces the study of functions of a real variable. Theory, proof techniques and writing skills are emphasized. Topics include real numbers, denseness of the real numbers, convergence of sequences of real numbers, Cauchy sequences, the Bolzano-Weierstrass theorem, continuous functions, uniform continuity, differentiable functions and integrable functions. Prerequisite(s): MATH 3113 and MATH 2333 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, proof techniques and writing skills are emphasized. Prerequisite(s): MATH 4143.

MATH 4203 - Fundamental Concepts 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.

MATH 4223 - Mathematics Of Life Contingencies I

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 or 4113 or 4353.

MATH 4233 - Mathematics Of Life Contingencies II

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.

MATH 4243 - Vector Analysis

This course covers vector algebra, vector functions of one variable, differential equations, integral theorems, and vector spaces. Prerequisite(s): MATH 2343.

MATH 4483 - History Of Mathematics

This course covers the historical development of mathematical concepts and symbolism. Prerequisite(s): MATH 2333.

MATH 4503 - Symbolic Logic

This course covers the logic of syntax, an analysis of truth-functional compound statements, truth tables, formal and indirect proofs, propositional functions and the use of quantifiers, the logic of relations, and a study of the nature of deductive systems. Prerequisite(s): MATH 2323 plus 6 hours of mathematics.

MATH 4583 - Discrete Structures

This course covers set theory, algebras and algorithms, graphs and digraphs, finite state machines, lattices, groups and combinatorics, logic and languages. Prerequisite(s): CMSC 1613 and MATH 3143.

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. 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 - Fundamental 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 focuses on taking, developing, and printing photographs suitable for publication. Additional components include illustrating the news, creative photography and photographic appreciation. Prerequisite(s): Enrollment is open to Mass Communication, Studio Art, Art Education, Applied Liberal Arts majors, and students minoring in Mass Communication only.

MCOM 1133 - Media Writing

This course is an introduction to and survey of the various writing styles and techniques required of mass media in the digital age. Students will gain experience in writing for broadcast, print and web media. Prerequisite(s): Enrollment open to Mass Communication majors only.

MCOM 1143 - News Reporting

News Reporting focuses on gathering, writing, and evaluating the news. Prerequisite(s): ENG 1113 and MCOM 1133. Enrollment open to Mass Communication and Applied Liberal Arts majors and students minoring in Mass Communication-Advertising, Journalism and Public Relations only. Concurrent enrollment in MCOM 1143L is required.

MCOM 1153 - Voice and Diction

Voice and Diction is a practical approach to improving the voice specifically for public speaking. Students will study, practice, and demonstrate proper breathing techniques, pleasant vocal quality, varied volume, crisp articulation, correct pronunciation, and vivid expressiveness. Credit may not be earned in both THRT 1523 and MCOM 1153. Prerequisite(s): Enrollment open to Mass Communication 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 - Broadcast Audio Production

Broadcast 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 2023 - Communication for Teachers

The course is a study of communication within the classroom. Emphasis is directed toward preparing the future teacher to communicate effectively in the multicultural classroom. The information processing and dispensing skills of the teacher are developed by focusing on the verbal and nonverbal components of communication. This course is required for Teacher Education programs. Prerequisite(s): ENG 1113 and 1213. Enrollment open to teacher education majors only.

MCOM 2033 - Media Production

This course 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, and 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): MCOM 1133 with a minimum grade of "C". Enrollment is open to Mass Communication majors only.

MCOM 2043 - Listening

This course is designed to give students an understanding of the elements and principles of effective listening and the practice needed to become better listeners.

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 - Intro to Brand Comm/Advertisin

Introduction to Brand Communications/Adversiting 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 2123 - Magazine Industry

This course is a study of analyzing, writing, editing, designing, and producing a magazine publication. Prerequisite(s): Sophomore standing or above.

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 2172 - Sports Announcing

Sports Announcing is the study and practice of the techniques and skills necessary for the professional sports play-by-play announcer in the electronic media industry. Students are expected to perform the play-by-play and color commentary of local football games on the campus radio and TV stations. Prerequisite(s): MCOM 2013. 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 sequence 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 - Broadcast News I

Broadcast News I addresses theories and practices of broadcast news gathering, writing, and videography. Particular attention is given to professional development, proper writing style, and formatting for broadcasting in a computer-based environment. The course includes a laboratory component, MCOM 2203L, which must be taken concurrently. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1133. Concurrent enrollment in MCOM 2203L required. Enrollment open to Mass Communication majors.

MCOM 2203L - Broadcast News I Laboratory

Broadcast News I Lab must be taken concurrently with MCOM 2203. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1133. Concurrent enrollment in MCOM 2203. Enrollment open to Mass Communication majors only.

MCOM 2223 - Basic Darkroom Procedures

Basic Darkroom Procedures is an introduction into the theory and practical use of black and white film and paper processing. Prerequisite(s): MCOM 1123 or JOUR 1123 or 1113.

MCOM 2323 - Introduction to Public Discourse

This course is an introduction to major issues in public discourse focused on public address and public culture: history, concepts, theories, and methods of criticism. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173; and COMM 1113 or 2023. Sophomore standing or above.

MCOM 2443 - Basic Television Production

This course is a study of basic principles and techniques for writing, producing, and directing television studio programs. Students will complete assignments on videotape. Prerequisite(s): Concurrent enrollment in MCOM 2443L is required. Enrollment is open to Mass Communication majors only.

MCOM 2443L - Basic TV Production Lab

This laboratory must accompany MCOM 2443. Prerequisite(s): Concurrent enrollment in MCOM 2443 is required. Enrollment is open to Mass Communication majors only.

MCOM 2501 - 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): MCOM 2013 or COMM 2033. Enrollment open to Mass Communication majors only with sophomore or above standing.

MCOM 2511 - Television Station Participation

Participation in college television. A maximum of 4 hours credit towards a major or minor may be earned. Prerequisite(s): MCOM 2443 or COMM 2443 and written permission of instructor required.

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, MCOM 2443, and MCOM 2443L. Enrollment open to Mass Communication majors only with sophomore standing or above.

MCOM 2531 - Newspaper Participation

This course requires participation in the VISTA, the college newspaper. A maximum of 4 hours credit towards a major or minor may be earned. Prerequisite(s): MCOM 1133 and (MCOM 1143 or JOUR 1143) and sophomore standing or above.

MCOM 2543 - Electronic Photography

Electronic Photography is the study of digital photography 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): MCOM 1123 and sophomore standing or above.

MCOM 2553 - Strategic Communications Plan

Strategic Communications Planning is designed to provide an introduction to 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, MCOM 1133 and (1183 or 2063). Enrollment is open to Mass Communication majors and minors, Technology Applications and Applied Liberal 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 2643 - Non-Linear Editing

Non-Linear Editing focuses specifically on essential video editing techniques. The course provides a dynamic range of video editing projects which will build the skills of students through the industry standard in video editing software. Prerequisite(s): MCOM 1133, MCOM 2443 and MCOM 2443L. Enrollment open to Mass Communication majors with sophomore standing or above only.

MCOM 2653 - Photoshop for Media

Photoshop for Media is an introduction to Adobe Photoshop, a powerful image editing tool used in the publishing field. Students will produce professional-level projects using Macintosh computers. This course will give students professional experience as it applies to the publishing field. Prerequisite(s): MCOM 1133. Enrollment open to Mass Communication majors and students minoring in Mass Communication- Advertising and Journalism with sophomore standing or above only.

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 3033 - Broadcast News II

Broadcast News II is the study of reporting, writing and editing news for broadcasting. Emphasis is on researching stories, the use of electronic news-gathering equipment, writing and reporting style, and on-air presentation of completed stories. This course includes a laboratory component, MCOM 3033L which must be taken concurrently. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, MCOM 2443, MCOM 2443L, MCOM 2203 and MCOM 2203L. Concurrent enrollment in MCOM 3033L is required. Enrollment open to Mass Communication majors only with sophomore standing or above.

MCOM 3033L - Broadcast News II Laboratory

Broadcast News II Lab must be taken concurrently with MCOM 3033 Broadcast News II. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, MCOM 2443, MCOM 2443L, MCOM 2203, and MCOM 2203L. Enrollment open to Mass Communication majors with sophomore standing or above only.

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 3073 - Relational Communication

This course examines communication behaviors in interpersonal relationships, including relationship development, maintenance, and dissolution. Emphasis is on application of theory and improvement of communication skills. Prerequisite(s): COMM 2013 and 2623 with junior or senior standing.

MCOM 3083 - Intercultural Communication

This course 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): COMM 1113 or COMM 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). Enrollment open to Mass Communication Technology Application Studies and Applied Liberal Arts majors and students minoring in Mass Communications-Advertising, Communication, Journalism and Organizational Communication with junior standing or above only.

MCOM 3103 - Brand & Advertising Decisions

Brand and Advertising Decisions provides an in-depth look at the advertising decisions process through a wide variety of fact based case studies in order to prepare students to make brand and advertising management decisions. Prerequisite(s): ENG 1113, 1213, MCOM 1133, (1183 or 2063). Junior standing or above. Enrollment open to Mass Communication majors and minors, Technology Application Studies and Applied Liberal Arts students only.

MCOM 3113 - Nonverbal Communication

The study of nonverbal communication develops an awareness of how nonverbal cues are used in communication in sending and receiving messages and in enacting culture. The course provides an in-depth study of physical appearance, gesture and movement, facial expressions, eye contact, touch, use of time, and the voice to communicate nonverbally in a variety of interpersonal relationships across personal, professional, public, and cultural contexts. Prerequisite(s): COMM 1113 or 2023. Enrollment open to Mass Communication, Technology Application Studies, Applied Liberal Arts, and Family Life Education - Gerontology majors and students minoring in Mass Communication-Advertising, Communication and Journalism only. 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 or JOUR 1123), MCOM 2223, (MCOM 2543 or MCOM 3513) and junior or senior standing.

MCOM 3143 - News Editing

Theory and practice of editing copy, writing headlines, and making up pages of the newspaper. Prerequisite(s): ENG 1113, 1213, (MCOM 1143 or JOUR 1143).

MCOM 3153 - Communication Research

This course 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): COMM 2623. Junior or senior standing.

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 and 1213. 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 3193 - Internet News Sources

Internet News Sources is a study of the various city, county, state, national and international online sources of news and how journalists are using them in reporting stories in print and online. Topics include the history of the Internet, the development of Internet resources for information including database and public records searches; use of software database and spreadsheet programs to analyze information; and, theories and basics of Web site design and development. Prerequisite(s): ENG 1113, ENG 1213 MCOM 1133 and MCOM 1143. Enrollment open to Mass Communication and Applied Liberal Arts majors and students minoring in Mass Communication-Advertising and Journalism with junior or senior standing only.

MCOM 3203 - Literature Of Journalism

A critical survey and study of memoirs, biographies, histories, and other books related to journalism.

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 and 1213. Enrollment open to Mass Communication and Applied Liberal Arts majors and students minoring in Mass Communication-Advertising, Journalism and Public Discourse with junior standing or above only.

MCOM 3243 - Television Field Production

A study of the theory and application of the interconnected aesthetic fields which provide the producer of mass communication with means to develop effective video messages. Prerequisite(s): MCOM 2443 or COMM 2443.

MCOM 3263 - Radio and Television Writing

The course provides specific experiences in broadcast continuity writing. Students study requirements and techniques for writing various types of announcements and documentaries. Prerequisite(s): ENG 1113, 1213 (MCOM 2443 or COMM 2443).

MCOM 3283 - Print, Web, Copy & Design

Print, Web, Copy & Design is a 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, 1213, (MCOM 1133 or MCOM 1183 or JOUR 1183). Enrollment open to Mass Communication, Graphic Design, Technology Application Studies and Applied Liberal Arts majors and students minoring in Mass Communication-Advertising, Journalism and Public Discourse only. 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 (MCOM 2543 or MCOM 3513) 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 and ENG 1213. Enrollment open to Mass Communication and Applied Liberal Arts majors and students minoring in Mass Communication-Advertising and Journalism with junior standing or above only.

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 and 1213. 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): MCOM 1133 and junior or senior standing. Enrollment open to Mass Communication majors only.

MCOM 3343 - News Photography

News Photography integrates basic photographic skills with professional lighting techniques, print and multimedia story telling, caption writing, and production methods to equip students to enter the field of photojournalism. Prerequisite(s): ENG 1113, ENG 1213, (MCOM 1123 or JOUR 1123), MCOM 1133 (MCOM 3293 or MCOM 2143 or JOUR 2143), (MCOM 2543 or MCOM 3513 or JOUR 4233) and junior or senior standing.

MCOM 3353 - Broadcast & Digital Advertising

Broadcast and Digital Advertising is a study of the overall strategic creation of broadcast advertising communication with a focus on copy writing and the implementation of basic production techniques. Development skills required to utilize the unique advantages of each of the various broadcast media will be emphasized. Prerequisite(s): ENG 1113, 1213, MCOM 1133, (1183 or 2063). Junior standing or above. Enrollment open to Mass Communication majors and minors, Technology Application Studies and Applied Liberal Arts majors only.

MCOM 3373 - Small Group Communication

This course is a study of interaction within teams and small groups. It is designed to develop critical thinking skills, examine ethical challenges, improve research abilities, provide practice in effective decision making, and explore effective leadership styles in personal, professional, public, and cultural settings. Prerequisite(s): COMM 1113 or 2023. Enrollment open to Mass Communication, Technology Application Studies and Theatre/Communication Education majors and students minoring in Mass Communication-Advertising, Communication and Journalism only. Junior or senior standing.

MCOM 3383 - Argumentation

The argumentation course is designed to improve critical thinking and argumentation skills. The student will develop the ability to apply those skills in a variety of communication situations (business, legal, personal). Appropriate strategies will be provided that allow the student to become an effective "user" and "consumer" of argumentation. Prerequisite(s): COMM 1113 or 2023. Enrollment open to Mass Communication, Applied Liberal Arts and Theatre/Communication Education majors and students minoring in Mass Communication-Advertising, Communication, Journalism and Public Discourse only. Junior or senior standing.

MCOM 3403 - Corporate Video Production

This course is designed to acquaint the student with theories and applications of non-broadcast video media. Integrated video production will be emphasized. Recommended for media specialists and users of non-broadcast video materials. Prerequisite(s): ENG 1113, 1213, (MCOM 2443 or COMM 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): 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

This course is designed to investigate gender and communication issues in interpersonal, intercultural, and professional contexts. Prerequisite(s): Junior standing or above. Prerequisite(s): ENG 1113, 1213, (COMM 3153 or ENG 2213) and junior or senior standing.

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 1133. Enrollment open to Mass Communication majors and students minor-ing in Mass Communication-Advertising and Journalism with junior standing or above only.

MCOM 3523 - Leadership Communication

This course will examine relationships between effective communication and quality leadership in multiple contexts. Credit may not be earned for both COMM 3513 and LEAD 3513. Prerequisite(s): LEAD 2213 and junior or senior standing.

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 - Workshop Organization & Leadership

This course examines workshops and multi-meeting settings from a communication perspective. Students study guidelines, design and develop curriculum, and facilitate workshops. The course also implements leadership training recommended for managers, consultants, instructors, and public relations practitioners. Prerequisite(s): (COMM 1113 or 2023), COMM 2153, 3093 and senior standing.

MCOM 4063 - Feature Writing

This course is a study of theory and practice of researching, writing and marketing the feature story for various media. Prerequisite(s): ENG 1113, 1213, (MCOM 1143 or JOUR 1143).

MCOM 4113 - Organizational Communication

Organization Communication explores social interaction within organizational contexts. This course introduces students to theories and concepts that explain the complex communication processes operating in and among organizations. Students will apply theoretical concepts to their own communicative experiences in organizations. Prerequisite(s): COMM 2153. Junior or senior standing.

MCOM 4133 - Broadcast Management

Broadcast Management is an in-depth study of the unique social, economic, legal and ethical problems with which broadcast managers are confronted. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1133. Enrollment open to Mass Communication majors and students minor-ing in Mass Communication-Advertising and Journalism with junior standing or above only.

MCOM 4143 - Depth Reporting

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): MCOM 1143 or JOUR 1143.

MCOM 4153 - Advanced Television Production

Preparation and production of various types of television programs with an emphasis on the producer's and director's responsibilities to planning and execution of the program. MCOM 4153L must be taken concurrently. Prerequisite(s): MCOM 2443 or COMM 2443.

MCOM 4153L - Advanced TV Production Lab

Laboratory to accompany MCOM 4153.

MCOM 4163 - Public Information Methods

This course involves the study of communication tactics used by public relations practitioners, with an emphasis on the development of writing and media relations skills. Prerequisite(s): ENG 1113, 1213, (MCOM 1143 or JOUR 1143) and (MCOM 3223 or JOUR 3223).

MCOM 4183 - Public Relations Case Studies

Case studies of specific public relations problems; planning short and long range public relations programs for various media, government. Prerequisite(s): MCOM 3223 or JOUR 3223.

MCOM 4193 - Editorial Writing

Theory and practice of researching and writing the editorial for various media.

MCOM 4203 - Press Theories

A study of various ethical values of the world press as practiced by authoritarian, communistic, libertarian, and social responsibility theories. Prerequisite(s): Junior standing or above.

MCOM 4223 - History of the Black Press

A study covering the beginning and survival of black men and women instrumental in the founding of the black press from the time of slavery, and their experiences in fighting for freedom of expression, including the great migration, the World Wars and the Civil Rights Movement. Prerequisite(s): Junior standing or above.

MCOM 4233 - Family Communication

This course 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): COMM 2013, 2623 and 3073 with senior standing.

MCOM 4253 - Broadcast News III

Broadcast News III is the advanced theoretical study and practical application of electronic news gathering techniques to television journalism, including writing, reporting, newscast producing, and videography. This course includes a laboratory component, MCOM 4253L, which must be taken concurrently. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, MCOM 2203, MCOM 2203L, MCOM 2443, MCOM 2443L, MCOM 3033, and MCOM 3033L. Concurrent enrollment in MCOM 4253L is required. Enrollment open to Mass Communication majors with junior or above standing.

MCOM 4253L - Broadcast News III Laboratory

Broadcast News III Lab must be taken concurrently with MCOM 4253. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, MCOM 2203, MCOM 2203L, MCOM 2443, MCOM 2443L, MCOM 3033, MCOM 3033L. Enrollment is open to Mass Communication majors with junior standing or above only.

MCOM 4263 - Public Relations Campaigns

Public relations campaigns is the study of public relations strategies and tactics as applied in the work place. The course focuses on the preparation of one or more strategic communication plans for outside clients. This is the capstone course in the journalism-public relations sequence. Prerequisite(s): (MCOM 4163 or JOUR 4163) and (MCOM 4183 or JOUR 4183).

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): 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 heavily on students' opinions in reaction to the readings and discussion.

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 4333 - Newsletter Design

Newsletter Design serves as an introduction to writing, editing and producing newsletters using the Macintosh computer and the software Microsoft Word 6.0 and QuarkXPress 3.3. The course is structured so that prior experience with the computers or the software is not necessary. The course is for anyone interested in learning more about newsletters—either as a hobby or a profession.

MCOM 4343 - Corporate Promotion

Students examine how corporations communicate with various constituencies. Corporate promotion concerns addressed from a communication perspective include: corporate networking; web design and site development; branding; marketing; consumer relationship management; crisis communication; and corporate culture, image, and identity. Prerequisite(s): COMM 2153. Junior or senior standing.

MCOM 4373 - Web Communication

This course is a study of the journalistic use of the internet and world wide web. The students will become familiar with web news-writing techniques, web authoring, the development of news stories for the web, and the design of web news pages. The course focuses on the development of content as well as the theory of interface. Prerequisite(s): MCOM 1143 or JOUR 1143 and junior or senior standing.

MCOM 4383 - Media Mix Analysis

Media Mix Analysis is a study of various theories and advertising 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 brand communication campaign. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, and (MCOM 1183 or 2063). Enrollment open to Mass Communication and Applied Liberal Arts majors and students minor-ing in Mass Communication-Advertising and Journalism only. Junior or senior standing.

MCOM 4403 - Interviewing Practices

This course focuses on the role of communication in various interviewing processes. Course content provides participants with the information and skills necessary to effectively participate in and evaluate interviewing interactions. Interviewing Practices offers an expansive exposure to a wide range of interviews (persuasive, performance, recruiting, employment, survey, probing, counseling, and health care). Judicious integration of relevant communication theory comprises the underpinning for the applied aspects of interviewing—both for the interviewer and the interviewee. Prerequisite(s): COMM 3153. Enrollment open to Mass Communication majors only, 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):

MCOM 1133, COMM 2203/2203L, MCOM 2443/2443L and MCOM 3243. 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 and 1213. 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 on journalists and the people they interview. Special interest is given to identifying the symptoms of post-traumatic-stress-disorder and its impact upon journalists and victims of disasters. Prerequisite(s): ENG 1113, 1213, (MCOM 1143 or JOUR 1143) and junior or senior standing.

MCOM 4443 - Techniques Of Forensic Photography

This course explores the techniques used in obtaining and producing photographs used in investigation, evidence gathering and general photography used by law enforcement agencies. This course is designed for students planning to pursue a career in the forensic sciences. Prerequisite(s): MCOM 1123 or JOUR 1123 and 6 hours in photography or criminal justice or chemistry-forensic science.

MCOM 4453 - Communication and Language

This course 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): COMM 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): 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): MCOM 1123 and MCOM 2223 and (MCOM 2543 or MCOM 3513) and MCOM 3133 and (MCOM 3293 or MCOM 2143) with junior 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 and 1213. Junior or senior standing.

MCOM 4533 - Health Communication

Health Communication is a predominant specialty in the field of communication and this course is designed to provide a study of social interaction in health care contexts. Issue foci include provider-client communication, health promotion and planning, provider-provider communication and education, and communication issues in relation to intercultural health, alternative medicine, and health ethics. Prerequisite(s): COMM 3153. 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): (MCOM 1123 or JOUR 1123), (MCOM 3293 or MCOM 2143 or JOUR 2143), (MCOM 2543 or MCOM 3513 or JOUR 4233), MCOM 2223 and MCOM 3133 and junior or senior standing.

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 and 1213. Enrollment open to Mass Communication majors only. Junior or senior standing.

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 and 1213. Junior or senior standing.

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): MCOM 1123, MCOM 2223, (MCOM 2543 or MCOM 3513), MCOM 3133, MCOM 3343, (MCOM 3293 or MCOM 2143). Senior standing or above.

MCOM 4663 - 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 brand communication campaign. Prerequisite(s): ENG 1113, 1213, MCOM 1113, 1133, (1183 or 2063), and 4383. Senior standing or above. Enrollment open to Mass Communication majors and minors, Technology Application Studies and Applied Liberal Arts.

MCOM 4863 - Media Research

This course is the applied study of research methods used in the fields of advertising, broadcasting, journalism, and public relations 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): Senior standing. Enrollment open to Mass Communication majors only.

MCOM 4883 - Brand Communications Campaigns

Brand Communications Campaigns is a study of various elements involved in the production of an advertising campaign from inception to conclusion. Students research, create, produce, execute, and evaluate a number of advertising campaigns for real clients for all media. Prerequisite(s): ENG 1113, 1213, (MCOM 1183 or 2063), 2553, 3103, 3283, 3353, and 4383. Senior standing or above. Enrollment open to Mass Communication majors and minors, Technology Application Studies, Applied Liberal Arts and Graphic Design majors only.

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 1222 - PGM Introduction

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 PGA Constitution, Career Enhancement, and Golf Club Fitting, Repair, and Design of the PGM Level 1 curriculum. Students will complete PGM Level 1 work experience activities and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 1. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1233 - Rules Of Golf & Tournament Operations

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 Rules of Golf, Tournament Operations, and Golf Car Fleet Management of the PGM Level 1 curriculum. Students will complete PGM Level 1 work experience activities and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 1. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1322 - Introduction to Teaching 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 cover the Introduction to Teaching Golf and Golfer Development Programs of the PGM Level 1 curriculum. Students will complete PGM Level 1 work experience activities and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 1. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1333 - Introduction To Golf Course Operation

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 Analysis of the Swing, Business Planning and Operations, and Customer Relations pre-seminar objectives of the PGM Level 1 curriculum. Students will complete PGM Level 1 work experience activities and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 1. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1422 - Golf Operations 1

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 curriculum of the PGM Level 1. Students will review all PGM Level 1 materials and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 1. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1432 - Analysis of the Golf Swing

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 Analysis of the Golf Swing in the PGM Level 2 curriculum. Students will complete PGM Level 2 work experience activities and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 2. Prerequisite(s): MGMT 1422. Enrollment open to PGM majors only.

MGMT 1522 - Golf Operations 2

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 curriculum of the PGM Level 2. Students will review all PGM Level 2 course materials and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 2. Prerequisite(s): MGMT 1422. Enrollment open to PGM majors only.

MGMT 1532 - Swing Concepts: Teaching 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 cover the Swing Concepts of Teaching Golf in the PGM Level 3 curriculum. Students will complete PGM Level 3 work experience activities and be prepared to test for knowledge sections and skill simulations for PGM Checkpoint 3. Prerequisite(s): MGMT 1522. Enrollment open to PGM majors only.

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 - Management & Organizational Behavior

This course offers an essential introduction to management from a behavioral science perspective. Concepts of study include management roles and functions, work motivation, leadership, and human resource management. Prerequisite(s): Sophomore standing.

MGMT 3143 - Labor Relations Management

A study of problems affecting management and labor; principles and techniques of collective bargaining; types of union agreement; federal and state labor laws; administrative regulations and requirements; and current trends in management-labor relations. Prerequisite(s): MGMT 3103.

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 - Legal Environ 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 3103, 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 4033 - Starting Your Own Business

A course focusing on the experiences and problems faced by those who go into business for themselves and successful solutions achieved by representative business.

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 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 Management

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 - Ethical & Legal Aspects Of 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 3103, 3313 and Senior standing or above.

MGMT 4513 - HR Compensation Systems

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 3103, 3313, and Senior standing or above.

^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 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 1453, MATH 2053, ACCT 2113, ACCT 2133, ECON 2173, ECON 2203, MRKT 3013, MGMT 3103, LS 3113, BCOM 3143, ISOM 3263, ISOM 3313, and FIN 3563; and one of the following: ECON 4103, MGMT 4253, FIN 4273, ECON 4403, MRKT 4413, LS 4533, or ECON 4603 and 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.

^ This course is applicable to the Leadership minor.

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 2000 (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 2000 (Lab).

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 2000 (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 2000 (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 (for Freshmen)

Credit will vary from 1-4 hours. Applied brass, organ, piano, voice, strings, woodwinds, and percussion.

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 1631 - Class Instruction-Voice I

Class voice.

MPER 2000 - Applied Music (for Sophomores)

Credit will vary from 1 to 4 hours. Applied brass, organ, piano, voice, strings, percussion, woodwinds, and jazz improvisation.

^ This course is applicable to the Leadership minor.

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 - Concert Choir

Concert 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. Prerequisite(s): Written permission required.

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 Choir

Chamber choir.

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

Band.

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

Orchestra.

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 2731 - Class Piano I

This is the first in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills needed to pass the Piano Proficiency Test No. 1 required of all non-piano music

majors and minors. Primary chords harmony is applied at the piano to enhance piano performance and functional skills. Students will receive a music theory advisory exam to determine their competence in music fundamentals. It is strongly recommended that those who do not pass this exam take MUS 1113 Fundamentals of Music. 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 needed to pass the Piano Proficiency Test No. 2 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 and passed Piano Proficiency Test No. 1.

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 needed to pass the Piano Proficiency Test No. 3 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 and passed Piano Proficiency Tests No. 1 and 2.

MPER 2941 - Class Piano IV

This is the last in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills needed to pass the Piano Proficiency Test No. 4 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 and passed Piano Proficiency Tests No. 1, 2, and 3.

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 (for Juniors)

Applied Music is the study of an instrument/voice through private lessons. Students may study brass, organ, piano, voice, strings, percussion, woodwinds, and jazz improvisation. Credit will vary from 1-3 hours. Prerequisite(s): MUS 2010. Junior or senior standing.

MPER 3070 - Piano Accompaniment

This course is a laboratory course designed to give the keyboard student practical experience in accompanying vocal and instrumental solos in studio lessons, ensembles, and in student recitals. Prerequisite(s): Four hours of Applied Piano.

MPER 3111 - Concert Chorale

This course is a vocal ensemble emphasizing the study and performance of compositions from all periods of time. Prerequisite(s): Written permission of instructor.

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 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 (for Seniors)

Credit will vary from 1 to 4 hours. Applied brass, organ, piano, voice, strings, percussion, woodwinds, and jazz improvisation.

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 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 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 - Personal Selling

This course examines the role of personal selling in the marketing mix and addresses personal selling activities and techniques. Topics covered include prospecting, overcoming objections, the effective preparations and presentation of a persuasive sales presentation, questioning and closing methods, time and territory management, and social, ethical, and legal issues in sales.

MRKT 3143 - Sales Management

This course is a critical analysis of the principles, methods, and problems relating to the management of the field 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 2313) before taking Sales Management. Prerequisite(s): MRKT 3013.

MRKT 3313 - Business Logistics

This course focuses on contemporary business logistics, including transportation management issues. This course is taught with a strategic management approach that blends logistics theory with practical application under of supply chain management.

MRKT 3413 - Principles Of Advertising

A study of advertising principles and practices. Advertising management, media buying agency operation, advertising and marketing research, and an analytical basis for advertising decision-making and control.

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 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 4323 - Advanced Personal Selling

This course focuses on cognitive, affective, and behavioral processes that influence the interaction between buyer and seller. Students will have the opportunity to integrate advanced persuasion theories and techniques. Prerequisite(s): MRKT 2313 and 3013.

MRKT 4413 - International Marketing

The main problems with which the international executive must deal and the ways in which these problems may be approached. A framework in which the actual organization and operations in international marketing fit; the function of foreign operations, dealer cooperation, internal advertising; and export procedures. 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 and MATH 1453.

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 4473 - Advanced Purchasing And Materials Management

A continuation of MRKT 4433 Purchasing and Materials Management. Emphasis will be on materials management concept, which includes the purchase, movement and storage of materials, via the case approach. Course will provide opportunity to gain greater depth and breadth of knowledge of this area of business. Prerequisite(s): MRKT 4433.

MRKT 4483 - 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. Junior or senior standing.

MRKT 4493 - Direct Marketing

Direct marketing is the interactive use of non-personal promotion such as advertising, sales promotion, and publicity to build customer relationships and to influence customer behavior in the electronic and traditional marketplaces so that their behavior can be tracked, recorded, analyzed, and stored in a database for future use. Direct response marketing programs will be developed for electronic Internet-based media, as well as traditional print and broadcast media. This course will include how to develop and use integrated marketing communications linked with customer databases to target the needs of individual business customers and consumers with a unique personalized product/service for each person. Prerequisite(s): Six hours of marketing and senior class standing.

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 1232 - Brass Techniques**

This course is class instruction on brass instruments and a survey of entire brass choir, including an emphasis on pedagogical techniques and single instrument maintenance.

MUED 1292 - Woodwind Techniques

This course is class instruction on woodwind instruments and a survey of entire woodwind choir, including an emphasis on pedagogical techniques and single instrument maintenance.

MUED 1432 - String Techniques

This course is class instruction on string instruments and a survey of entire string choir, including an emphasis on pedagogical techniques and single instrument maintenance.

MUED 1492 - Percussion Techniques

This course is class instruction on percussion instruments and a survey of entire percussion choir, including an emphasis on pedagogical techniques and single instrument maintenance.

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 - Music for Elementary Teachers

This course is an activity-oriented approach to teaching music in the general classroom utilizing singing, listening, rhythm/movement, playing instruments, creative dramatics, and music reading. This course replaces MUS 3122.

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 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 instrumental music education major in a study of philosophy of music education, administrative and teaching techniques, and materials for teaching instrumental music and administrating bands and orchestras in middle and secondary schools. Prerequisite(s): Admission to Teacher Education program. Enrollment open to music education-instrumental majors only. Junior or senior standing.

MUED 4852 - Elementary Music Methods - Vocal

In this course the student will study the problems and methods of teaching vocal music in the elementary grades. Prerequisite(s): Admission to the Teacher Education program. For 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 - Vocal Music Methods - Secondary

This course explores techniques for teaching vocal music for the junior and senior high school. Prerequisite(s): 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 1113 - Intro 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

This course requires attendance at weekly recitals featuring student performances.

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 1522 - Jazz Theory and Analysis

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 2010 - Applied Qualifying Examination

This performance examination is required at the end of four semesters of applied study to demonstrate that the student has achieved a sufficient level of proficiency in the applied area to begin work on the junior recital. Prerequisite(s): Sophomore or above standing.

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 2210 - Piano Proficiency

This noncredit course requires a performance which demonstrates proficiency of piano skills.

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 examination of tonicization, modulation and modal mixture. This course will also introduce binary and ternary formal design in music of the 18th and 19th centuries. Prerequisite(s): MUSIC 1183 and 1161. Concurrent enrollment in MUS 2151 is required.

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 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 2451 - History Of Music Theatre

This course is the study of Musical theatre, 1920 - present from the sociological point of view.

MUS 2473 - History Of Music Theatre

A study of music history, Italian Renaissance to the present. Prerequisite(s): Written permission of instructor.

MUS 2521 - Writing About Music

This course introduces music students to the techniques of writing in a variety of styles and for a variety of purposes valuable for a professional career in music. Prerequisite(s): ENG 1113 and 1213 with a minimum grade of "C" and sophomore standing or above.

MUS 2593 - Music Theory IV

This course is the fourth in the undergraduate theory sequence. Serving as a culmination of all materials learned in the previous three courses, this course will introduce large musical forms including Variation and Rondo forms, Popular and art songs, and Sonata-allegro form. Students will also discover formal elements in imitative music of the 18th century. Students will produce analysis projects throughout the course, culminating in a final written project: Formal analysis of a whole movement of a composition. Prerequisite(s): MUS 2223 and 2151. Concurrent enrollment in MUS 2161 is required.

MUS 2623 - Music History Survey I

This course covers the history of non-western music and western art music from ancient time to 1600. Prerequisite(s): MUS 1143. Sophomore standing or above.

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 2663 - Music History Survey II

This course is a study of the history of western art music from the beginning of the Baroque period (1600) through the end of the Classical style period (1803). Prerequisite(s): MUS 1143. Sophomore or above standing.

MUS 2673 - Music Hist 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 2813 - Italian Singing Diction

Italian Singing Diction is designed to address the unique challenges presented to the American career singer, the choral conductor, the teacher of singing, and the coach/ accompanist who is expected to perform, teach or conduct vocal literature in a professional setting.

MUS 2841 - Opera Workshop

Opera Workshop presents students the fundamentals of performance on the operatic stage, through extensive study of opera scenes, stage combat, acting, stage deportment, make-up, diction, recitative work and audition techniques. The semester ends with a public performance of opera scenes studied during the semester. This course will aid students who desire to audition for graduate programs or wish to perform on the operatic stage.

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 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 3273 - Music History Survey III

This course is the study of the history of western art music from the beginning of the Romantic period (1803) through the present. Prerequisite(s): MUS 1143. Sophomore standing or above or permission of instructor.

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 3362 - 18th Century Counterpoint

This course is the analysis and writing of counterpoint in eighteenth and nineteenth century style. Prerequisite(s): Eight hours of music theory.

MUS 3402 - Instrumental Conducting

This course is a continuation of Music 3102 - for the instrumental conductor.

MUS 3413 - Music Theatre Scene Study I

This course is the practical application of acting, singing, and movement techniques to the various styles of period and contemporary music theatre works. Prerequisite(s): MUS 2473 and written permission of instructor.

MUS 3423 - Music Theatre Scene Study II

This course covers the staging and choreography of scenes, culminating in a live performance. Prerequisite(s): MUS 3413 and written permission of instructor.

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). 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): MUS 3453 with a minimum grade of "B" and four (4) hours of applied piano.

MUS 3492 - Vocal Literature I

This course is the study of vocal solo literature of the baroque and classical periods suitable for secondary and college students presented through lecture, demonstrations, recordings, and class participation, with attention to interpretation, style, and diction. Prerequisite(s): Sufficient musical background to perform representative works.

MUS 3502 - Vocal Literature II

In this course the student will study vocal solo literature of the romantic and modern periods suitable for secondary and college students presented through lecture, demonstrations, recordings, and class participation, with attention to interpretation, style, and diction. Prerequisite(s): Sufficient musical background to perform representative works, e.g., German lieder, French art songs, or English and American songs.

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

This course is class instruction in vocal techniques for the prospective voice teacher including basic speech physiology, stage deportment, and the basics of Italian, French, and German for singers.

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 3612 - Music Theatre Interview & Audition I

This course emphasizes creating a resume, types of interviews, obtaining an agent, personal appearance, and dress. Students will learn how to prepare music for a pianist. Prerequisite(s): Minimum of 10 credit hours in music theatre courses or related subjects.

MUS 3622 - Music Theatre Interview & Audition II

In this course the student will work on audition material, ranging from musicals to stock productions, national tours and regional theatre. There will be an emphasis on cold readings, monologues, rock, pop, and character numbers. Prerequisite(s): MUS 3612.

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 3771 - Piano Pedagogy Internship I

This course is an internship portion of Piano Pedagogy I or Survey of Piano Pedagogy. Students are required to enroll in this course concurrently with either MUS 3782 Piano Pedagogy I or MUS 4883 Survey in Piano Pedagogy. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach an average-age beginner applied piano and parts of the demonstration class as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000). Junior or senior standing. Concurrent enrollment in MUS 3782 or 4883 is required.

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 3771 is required.

MUS 3971 - Piano Pedagogy Internship II

This course is an internship portion of Piano Pedagogy II, a continuation from Piano Pedagogy I and Piano Pedagogy Internship I. Students are required to enroll in this course concurrently with MUS 3982 Piano Pedagogy II. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach an average age elementary student applied piano and portions of the demonstration class as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000, 2000); MUS 3782 and 3771.

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): Four (4) semester hours of applied piano (MPER 1000; MPER 2000); MUS 3782 and 3771. Junior or senior standing. Concurrent enrollment in MUS 3971 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 4122 - Music Of The Renaissance

This course is a study of the music literature, style and performance practices of the Renaissance period.

MUS 4142 - Music Of The Baroque Period

This course is a study of the music literature, style and performance practices of the Baroque period.

MUS 4152 - Instrumentation

This course is a survey of the four choirs of instruments and provides instruction in beginning orchestration. Prerequisite(s): Eight hours of theory.

MUS 4162 - Music Of The Classical Period

This course is a study of the music literature, style and performance practices of the Classical period.

MUS 4182 - Music Of The Romantic Period

This course is a study of the music literature, style and performance practices of the Romantic period.

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 4302 - Vocal Techniques

This course is for the instrumental music major.

^ 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 4362 - Music Composition

This course covers the fundamentals of solo, duet, trio, quartet, and small ensemble composition. Prerequisite(s): Eight hours of theory.

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): MUS 1143, 1183, 2223, 2593, 2623, 2663, 3232 and 3273.

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): MUS 1143, 1183, 2223, 2593, 2623, 2663, 3232 and 3273.

MUS 4402 - Music Composition

This course is the continuation of MUS 4362. One major composition, vocal or instrumental, and its performance is required. Prerequisite(s): MUS 4362.

MUS 4413 - German Singing Diction

German diction for singers is designed to address the unique challenges presented to the American career singer; the choral conductor; the teacher of singing; and the coach/accompanist who is expected to perform, teach or conduct vocal literature in a professional setting. Prerequisite(s): Concurrent enrollment in at least 3000 level applied voice.

MUS 4423 - French Singing Diction

French Singing Diction is designed to address the unique challenges presented to the American career singer; the choral conductor; the teacher of singing; and the coach/accompanist who is expected to perform, teach or conduct vocal literature in a professional setting.

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 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. Prerequisite(s): MUS 2473 and written permission of instructor.

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 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 4632 - Woodwind Pedagogy

This course addresses methodological approaches to technical and musical aspects of woodwind teaching in the context of exercises, studies, and repertoire.

MUS 4642 - Brass Pedagogy

This course will address methodological approaches to technical and musical aspects of brass teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Junior standing or above.

MUS 4652 - Percussion Pedagogy

This course addresses methodological approaches to technical and musical aspects of percussion teaching in the context of exercises, studies, and repertoire.

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 4771 - Piano Pedagogy Internship III

This course is an internship portion of Piano Pedagogy III, a continuation from Piano Pedagogy II and Piano Pedagogy Internship II. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach a second-year elementary student applied piano, portions of intermediate student applied piano lessons, and portions of the demonstration class as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 3982 and 3971. Senior standing. Concurrent enrollment in MUS 4782 is required.

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): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 3982 and 3971. Senior standing. Concurrent enrollment in MUS 4771 is required.

^ This course is applicable to the Leadership minor.

MUS 4821 - Piano Pedagogy Internship IV

This course is an internship portion of Piano Pedagogy IV, a continuation from Piano Pedagogy III and Piano Pedagogy III. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach a second-year elementary applied piano, portions of lessons for intermediate or advanced student applied piano, and portions of the demonstration class as a part of the course requirement. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000; MUS 4782 and 4771. Senior standing. Concurrent enrollment in MUS 4833 is required.

MUS 4833 - 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): Four (4) semester hours of applied piano (MPER 1000; MPER 2000; MUS 4782 and 4771. Senior standing. Concurrent enrollment in MUS 4821 is required.

MUS 4883 - Survey in Piano Pedagogy

This course is a survey of the teaching materials and techniques of teaching piano, from the elementary to advanced level, in private and group instruction. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000; 3020). Junior or senior standing. Concurrent enrollment in MUS 3771 is required.

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 HLTH 3412 or 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): BIO 2314 and NTRN 1513 or Community Health (3100) 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 and 2423 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 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, 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, BIO 2604, NTRN 4394.

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 1014, 1014L.

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): MGMT 3103, MRKT 3013.

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 and concurrent enrollment in NTRN 4673L.

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 on physical facilities, financial control, and sanitation as well as safety. Prerequisite(s): NTRN 4674.

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 1333 - Introduction To Nursing Information & Lab

This course introduces the nursing student to basic terms and concepts related to computers and information technology and their uses in health care delivery. A selection of the most prevalent applications used in nursing practice, education and research will be explored. Concurrent enrollment in NURS 1333L is required.

NURS 1333L - Introduction To Nursing Information Lab

This laboratory course is to accompany NURS 1333. Concurrent enrollment in NURS 1333 is required.

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 2101 - Success in Nursing I

This course focuses on strategies for success in nursing school and completion of required standardized testing. Students will be introduced to an applied research/health promotion activity. Prerequisite(s): Admission to the Nursing Program.

NURS 2113 - Individual/Family Development Thru 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 2206 - Foundations of Nursing

This course focuses on educating students regarding scientific principles to facilitate man's adaptation to changes within his 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). Admission to the Nursing Program. Concurrent enrollment in NURS 2206L is required.

NURS 2206L - Foundations of Nursing Lab

This clinical and laboratory course is to accompany NURS 2206. Prerequisite(s): (BIO 2504 or FNRL 2214) and BIO 2604 or concurrent enrollment. Admission to the Nursing Program. Concurrent enrollment in NURS 2206 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 2206.

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 2206/2206L, NURS 2101. Concurrent enrollment in NURS 3307L is required.

NURS 3307L - Adult Medical/Surgical Lab

This clinical and laboratory course is to accompany NURS 3307. Prerequisite(s): NURS 2206/2206L and NURS 2101. 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 Lab

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 Nurs

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 2206/2206L and NURS 2101. Concurrent enrollment in NURS 3333L is required.

NURS 3333L - Psychological/Mental Health Lab

This clinical laboratory course is to accompany NURS 3333. Contact hours are variable. Prerequisite(s): NURS 2206/2206L and NURS 2101. 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 3421, NURS 3307/3307L. Concurrent enrollment in NURS 3344L and NURS 3431 are required.

NURS 3344L - Adult Medical/Surgical Nursing II Lab

This clinical laboratory course is to accompany NURS 3344. Prerequisite(s): NURS 3421, 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 3421 - Success in Nursing II

This course focuses on stress management techniques for the nursing student. Completion of required standardized testing and progression in the applied research/health promotion activity will be included. Prerequisite(s): NURS 2101, NURS 2206, NURS 2206L, and (NURS 3307, NURS 3333, NURS 3202 or concurrent enrollment) and admission to the Nursing Program.

NURS 3431 - Success in Nursing III

This course focuses on career management for the nursing student, including interviews and resume preparation. Completion of required standardized testing and progression in the applied research/health promotion activity will be included. Prerequisite(s): NURS 3421, NURS 3307, NURS 3333, NURS 3202, and (NURS 3314, NURS 3324, NURS 3344 or concurrent enrollment) and admission to the Nursing Program.

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 4113 - Transition To BSN

This is a bridge course which introduces the career ladder to the curriculum, including the philosophy and conceptual framework of the UCO Department of Nursing. Emphasis is placed on nursing process and issues related to professionalism and role transition.

NURS 4134 - Community Health Nursing

The nursing process will be used to facilitate adaptation of populations at risk because of unmet needs in community settings. Clinical experiences will focus on the application of community health nursing concepts to populations at risk. Prerequisite(s): NURS 4146/4146L, 4324/4324L, and 4431. Concurrent enrollment in NURS 4134L is required.

NURS 4134L - Community Health Lab

This clinical laboratory course is to accompany NURS 4134. Prerequisite(s): NURS 4146/4146L, 4324/4324L, and 4431. 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, 3344/3344L and 3431. Concurrent enrollment in NURS 4146L is required.

NURS 4146L - High Acuity Nursing Lab

This clinical laboratory course is to accompany NURS 4146.
Prerequisite(s): NURS 3314/3314L, 3324/3324L, 3344/3344L, and 3431. 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 focuses on the study of the adaptation process of individuals and families in response to changes in their internal and/or external environments. Emphasis is on nursing strategies aimed at the prevention and management of common health problems in aging, chronic illness and disability in a variety of clinical settings. Prerequisite(s): NURS 3314/3314L, 3324/3324L, 3344/3344L. Concurrent enrollment in NURS 4324L is required

NURS 4324L - Care Of Vulnerable Individuals Lab

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 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 4412L - Leadership/Management Lab

This clinical laboratory course is to accompany NURS 4412.
Prerequisite(s): NURS 4146/4146L, NURS 4324/4324L, NURS 4431
Concurrent enrollment in NURS 4412 is required.

NURS 4431 - Success in Nursing IV

This course focuses on NCLEX preparation and time management for the nursing student. Completion of required standardized testing and progression in the applied research/health promotion activity will be included. Prerequisite(s): NURS 3431, NURS 3314, NURS 3324, NURS 3344, and (NURS 4153, NURS 4146, NURS 4324 or concurrent enrollment).

NURS 4514 - Professional Nursing Practice

The emphasis of this course is placed on facilitating the role transition from nursing student to professional nurse. Clinical activities provide a capstone experience. Prerequisite(s): NURS 4146/4146L, NURS 4324/4324L, NURS 4431. Concurrent enrollment in NURS 4514L is required.

NURS 4514L - Professional Nursing Practice

This clinical laboratory course is to accompany NURS 4514.
Prerequisite(s): NURS 4146, NURS 4324, NURS 4431. Concurrent enrollment in NURS 4514 is required.

NURS 4532 - Success in Nursing V

This course focuses on continued preparation for NCLEX-RN and other transition to practice issues for the nursing student. Completion of required standardized testing and coordination activities at the applied research/health promotion setting will be included. Prerequisite(s): NURS 4431, NURS 4146, NURS 4324, NURS 4153, and (NURS 4134, NURS 4412, 4514 or concurrent enrollment).

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 Occupational and Technology Education

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 3023 - Introduction To Trade & Industrial Education

A study of the development of trade and industrial education with emphasis on historical events, teacher education, training facilities, advisory committees, public relations guidance, youth organizations, and professional development. This course replaces INED 3013.

OCTE 3313 - Computer Technology In Business Education Programs

This course is designed to meet the needs of persons teaching business-related subjects for knowledge and skill development in personal computer (PC) procurement and utilization, including use of software packages (e.g. spreadsheet, word processor, data base, graphing, communications, powerpoint) at an advanced level. Prerequisite(s): A beginning micro applications course.

OCTE 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 4013 - Management & Information Systems For Teachers

This course is designed to introduce students to the skills supporting the design, production and instructional delivery of business presentations using technology such as electronic communication, presentation software, scanner, cd-rom, modem, audio, video and laser disk. This course will also introduce students to the emerging career area of web planning and design and improve students understanding of web-based multimedia and database applications. Prerequisite(s): OCTE 3313. This course replaces OCTE 3033.

OCTE 4112 - Career & Technology Student Organizations

This course is designed to give the student an understanding of the philosophy of career and technology student organizations and how to supervise activities, guide participation, and prepare members in those organizations for leadership roles.

OCTE 4122 - Foundations Of Training And Development

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.

OCTE 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.

OCTE 4203 - History & Philosophy Of Career Technology Education

This course includes basic principles and philosophy underlying the organization and development of programs in career-tech education with special attention directed toward federally-aided programs in these areas. Prerequisite(s): Junior standing or above.

OCTE 4233 - Curriculum Design for Training

This course will present an overview of the various analyses required to determine potential curriculum content and refinement to relevant course content for occupational, technical, and training and development courses in technical schools, community colleges, and business and industry. It will focus on setting curriculum goals and objectives and developing a course description, syllabus, and instructional materials appropriate for group instruction and individualized instruction.

OCTE 4242 - Organization & Administration Of Health Occupations

Basic principles, philosophy and rationale underlying the organization and administration of health occupations education programs with special attention directed toward the competencies involved in program planning, development, evaluation, instructional management, and professional role development. Prerequisite(s): Health professional.

OCTE 4253 - Safety, Organization, & Management of CTE

The Safety, Organization, and Management of Career and Technology Education course focuses on the principles, philosophies, and rationale of safety, organization, and program management of the Career and Technology Education classroom and laboratory/clinical environments.

OCTE 4263 - Instructional Strategies Business/Marketing Education

This course is designed to develop methods of instructions needed to teach business education and marketing education subjects, including lesson plans and curriculum materials utilization. Prerequisite(s): Admission to Teacher Education program.

OCTE 4313 - Organization & Administration Of Marketing Education

Intensive study related to organizing local marketing education programs. Special emphasis will be given to administrative techniques of organization and operation.

OCTE 4322 - Motivating the Adult Learner

This course will provide tools for motivating adult learners. Topics addressed include goal setting and the characteristics of eight theories of motivation, and the instructor characteristics of expertise, empathy, enthusiasm, and clarity in developing a motivational environment. Prerequisite(s): Junior or senior standing.

OCTE 4332 - 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.

OCTE 4342 - Consulting Skills In Training Development

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.

OCTE 4352 - Accomodating 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.

OCTE 4362 - 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.

OCTE 4403 - Overview Of Occupational Education

This course is a study of current problems inherent in the operation of a program of occupational education with exploration and research in classroom management/discipline, on-the-job training or clinicals and the rigor standards established for vocational/career/technology education. Prerequisite(s): Written permission of instructor.

OCTE 4423 - Instructional Evaluation CTE

This course will examine the techniques for the evaluation of the design, delivery, and evaluation of career and technology education with special emphasis on the development and administration of valid and reliable knowledge-based and performance-based tests.

OCTE 4462 - Contemporary 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.

OCTE 4533 - Integrated Project/Based Learning

This course is designed to give prospective business instructors practical, integrated learning experiences necessary for success in state-of-the-art vocational business classrooms. The organization and delivery of instruction in this course will adhere to a model developed by the division of the Oklahoma department of vocational and technical education. The course content will focus on high performance business skills and effective applications of current technology tools. Prerequisite(s): OCTE 3313 or another microapplications course.

OCTE 4543 - Web Page Design

This course is designed to introduce students to the skills supporting the design, production and publishing of web pages for business and educational purposes. This will include the use of technology such as electronic communication, HTML, Microsoft FrontPage, Macromedia Dreamweaver, and integration of multimedia projects in web design. This course will also provide advanced skills in business applications using word processing, database management, and electronic spreadsheet through integration into web pages. Additional instruction will include oral and written communications and problem solving and interpersonal skills through work group activities. Students are expected to have completed an applications class covering computer theory, computer applications and computer hardware. Prerequisite(s): Junior or senior standing.

OCTE 4553 - Multimedia Production

This course is designed to introduce students to the skills supporting the design, production and delivery of presentations using a variety of multimedia technology including Macromedia Flash, Macromedia Fireworks, Adobe software, Microsoft multimedia software, video editing, and digital photography. Additional instruction will include oral and written communications, desktop publishing, problem solving and interpersonal skills through work group activities. Students are expected to have completed an applications class covering computer theory, computer applications and computer hardware. Prerequisite(s): Junior or senior standing.

OCTE 4562 - Creative Supervision Skills

This course addresses the characteristics of an effective supervisor, including motivation of employees, appraisal of employees, building relationships within the organization, creating a positive work climate, making quality decisions, handling human resource problems, managing time and stress, setting priorities, and demonstrating leadership skills. Prerequisite(s): Junior or senior standing.

OCTE 4572 - Facilitation Techniques

This course addresses the theory, principles, concepts and practices of group facilitation skills that play a critical role in generating change and producing innovative solutions to complex problems by board members, labor-management committees, mediators, chairs in community and inter-organizational groups (profit and non-profit), quality management teams, etc. Dispute resolution skills studied include mediation, negotiation, conflict resolution and alternative dispute resolution. Prerequisite(s): Junior or senior standing.

OCTE 4622 - Integration & Trans 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.

OCTE 4631 - Legal & Professional Issues In Occupational Technology Education

This course provides an examination of legal and professional issues facing contemporary occupational educators. In particular, the course will consist of pertinent information relating to four major areas: teaching contracts and teacher responsibilities, teacher and student rights, classroom management issues, and teacher professionalism. Prerequisite(s): Junior or senior standing.

OCTE 4642 - Proposal Writing In Training & Development

This course is designed to define proposals, identify formats and components, locate sponsors or buyers, and to assist the learner in writing effective proposals that can provide funding for occupational programs or promote buy-in for training related projects. Prerequisite(s): ENG 1113, 1213 and OCTE 4233.

OCTE 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.

OCTE 4663 - Technology Center 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.

OCTE 4711 - DECA/PBL Leader Development

This course will focus on the skills, knowledge and attitudes necessary to plan, organize, develop, and control a professional academic or service organization. It is especially recommended for those who may become advisors of co-curricular student organizations at the secondary and post-secondary level. Prerequisite(s): Written permission required.

OCTE 4723 - Troubleshooting & Maintaining A Local Network

This course includes personal computer (pc), printer, fax, modem and other peripheral, systems basic troubleshooting: simple repair procedures and testing, printed circuit board (pcb) removal and upgrading, functional component removal and replacement (disk drives). Sequential and substitutional troubleshooting techniques, electronic resource management methods, diagnostic software packages, and dos commands to access and alter config.Sys and autoexec.Bat will be applied. Telecommunications techniques and media, local area networks, wide area networks, and network protocols are presented and applied to a technology based educational teaching lab. Prerequisite(s): OCTE 3313.

OCTE 4731 - Drug Issues for Older Adults

This course will present a broad overview of the medication issues concerning older adults. Topics will include a basic introduction to frequently used prescription and over-the-counter drugs, common problems encountered by the older adult taking multiple medications for their multiple medical problems in a variety of settings, health and safety guidelines, marketing effects, and economic concerns. Prerequisite(s): Senior standing.

OCTE 4742 - Health Issues For Older Adults

This is a basic course introducing gerontologic concepts with a focus on chronic illness, disease prevention and health promotion.

OCTE 4781 - Occupational Training Analysis

This course focuses on the process of analyzing workplace requirements and identifying the knowledge, skills, and attitudes necessary for new and existing duties within occupations.

OCTE 4791 - Needs Analysis

This course represents a study focusing on the process of analyzing performance problem(s) at organizational, process, and worker levels to provide a composite picture of those requiring training and the nature and content of that training.

OCTE 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.

OCTE 4842 - Capstone In Career Technology Education

This course provides senior students with a capstone experience to assist them with the transition into the teaching field in career and technology education. Prerequisite(s): OCTE 4112, 4203, 4403, 4233, and 4853. Senior standing.

OCTE 4853 - Methods Of Teaching Occupational Technology Education

Examination of the selection and implementation of instructional strategies for occupation and technology education. Through instructional strategy selection, introducing and summarizing topics, conducting illustrated lectures, giving demonstrations, operating media equipment, and analyzing instructional techniques will be covered.

OCTE 4863 - Methods For Teaching Health Occupations Education

An overview and application of selected instructional planning execution and evaluation competencies for developing educators in health occupations education. Prerequisite(s): Health professional.

OCTE 4891 - Directed Observation/Occupational & Technology

This course is designed to assist the new teacher hired directly from industry. It will provide opportunities to witness various teaching methodologies, classroom/lab management procedures, teacher-student interaction, disciplining strategies, and everyday teacher decision making. Prerequisite(s): Student must be teaching as a certified teacher.

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 Occupational and Technology Education****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): 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): 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): 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): 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): 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): 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 junior standing or above.

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 Lead

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.

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 2012 - Introduction To Physical Education And Health

This course is designed to give the prospective teacher of physical education/health an insight into this area of specialization. Included are the historical, philosophical, psychological, and sociological principles of health, physical education and recreation with a survey of the 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, forehand 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 2791 - Dance For PE & Health Majors

This course will provide for the study and practice of the basic locomotor movements including 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. Prerequisite(s): 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 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.

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.

PHED 3522 - Fitness Applications for PE

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 correc-

tional 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 and 3522; 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 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 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 or junior standing.

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): 3 hours humanities or philosophy, or junior 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 or junior standing.

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 or junior standing.

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

An inquiry into the philosophers and philosophical movement of the nineteenth and twentieth centuries focusing on analytic and continental philosophy. Prerequisite(s): 3 hours of philosophy or junior standing.

PHIL 3203 - Philosophy Of Emotion

This course enables students to reflect on and critically evaluate difference 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 or junior standing.

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 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 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 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): 3 hours of humanities or philosophy, or sophomore 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): 3 hours of humanities or philosophy, or sophomore 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 or senior standing.

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 or senior standing; 6 hours of social science; and written permission of instructor.

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 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 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, thermophysics, 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 Lab

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/Lab

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 Lab

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 & Lab

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 & Lab

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 & Lab

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): PHY 1003 or High School Physics and departmental permission; MATH 2323 (or concurrent enrollment); or

MATH 2305 (or concurrent enrollment). 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 Lab

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 & Lab

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 Lab

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): GENS 1104 or 1204 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 & Lab

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 blackholes. 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 Lab

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 and MATH 2343 or concurrent enrollment in MATH 2343. Sophomore standing or above.

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 3104 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 3884.

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 3104 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 - Information Management - Political Science

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 - Criminal Law And Procedure

An analysis of principles of criminal law, from the perspective of the criminal justice practitioner. 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 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 governmental 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 4143 - African Politics

This course is a survey of the political systems of sub-Saharan Africa including colonial influences, ethnicity, African political thought, political parties and liberation movements, comparison of various democratic, semi-democratic and authoritarian systems, and the influence of outside powers today. Prerequisite(s): 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 4313 - Religion And The Law

This course examines the relationship between law and religion in the United States by focusing on the supreme court's interpretation of the first amendment's establishment and free exercise clauses. Prerequisite(s): ENG 1113 and 1213. Junior 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 - Advanced Public Administration

This course 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 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 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.

^ This course is applicable to the Leadership minor.

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 4813 - Latin American Politics

This course will focus on the political, social, and economic dimensions of development within Latin America. Specific attention will be given to Latin American efforts to come to terms with the dominant influence of the U.S. in the region. 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 in Psychology

A course 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.

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 or PSY 2703.

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 1123 and 1103, concurrent enrollment in PSY 2523 required. 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 or PSY 2703. 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 results, 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 2523 and PSY 2753 with junior or senior standing. Enrollment open to psychology majors and minors only.

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 2753.

PSY 3833 - Experimental Psychology

Experimental Psychology is a concentrated study of research methodology in the context of actual research topics. Emphasis is on the content of experimental psychology, using examples to illustrate the various methods of seeking knowledge. Prerequisite(s): PSY 2753 and 3713. 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 or PSY 2703 and junior or senior standing.

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 2523 (or written permission) and PSY 2753 and junior standing or above. Enrollment open to psychology majors and minors only.

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): PSY 3313 and senior standing. Enrollment open to psychology majors and minors only.

PSY 4393 - Cognitive Psychology

A 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 or PSY 2703 and junior standing.

PSY 4453 - Psychology Of Religious Experience

Examination of the impact of theory and research on the sociological-psychological nature of personal religious experience. Topics include conversion, orientation, mental health, development and psychotherapy as these interface existential issues. Prerequisite(s): 12 hours of psychology.

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): 12 hours of psychology including PSY 1103 or PSY 2703 and PSY 3903 or three hours of biology. Junior standing.

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 4813 - Psychology Of Adult Development

This course is designed to trace the development of the individual from early adulthood through aging. The developmental processes to be considered will include early years of marriage, the family years, work, leisure and retirement, aging and theories of aging.

PSY 4853 - Psychology Of Aging

This course is designed to trace the developmental stages which are typical of the later years of life. The emphasis will be on the physical, biological and psychological changes which may be anticipated after the age of 60 years. Other concepts which will be considered include senility, widowhood, nursing homes, grandparenthood, death and dying.

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 Professional Teacher Education****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/Field 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 a required 30 hours of supervised field experience in an approved school.

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. Is-

ssues 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 4432 - Designing Instruction for Secondary Students

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 learn to utilize the Oklahoma Priority Academic Student Skills in lesson planning and delivery. Prerequisite(s): Junior or senior standing.

PTE 4533 - Educational Psychology/Field Experience

The course Educational Psychology with Field Experience is a study of the application of psychological principles to learning and behavior. Results of research as applied to classroom learning and motivation are studied together with factors that facilitate or hinder effective learning. This course includes a 30-hour field experience component. This course must be taken the semester prior to student teaching. 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 - Student Teaching Elementary/PK-3

Observation; critical analysis of lesson types and classroom procedures; lesson plans and actual classroom teaching in a nursery/kindergarten and 1st, 2nd, or 3rd grade for PK-3 majors or in an elementary school for elementary majors. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

PTE 4838 - Student Teaching Secondary

Observation; critical analysis of lesson types and classroom procedures; lesson plans and actual classroom teaching in a 7th - 12th grade setting. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

PTE 4848 - Student Teaching K-12

Observation; critical analysis of lesson types and classroom procedures; lesson plans and actual classroom teaching in an elementary setting and a secondary setting. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

PTE 4853 - Classroom Management & Instruction

This course addresses the learning environment, effective schools research, selected observations and reflections on instructional practices, understanding of the state teacher evaluation process (the Oklahoma Minimum Criteria for Teacher Performance) and instructional strategies for incorporating the criteria into the teaching and learning process. Prerequisite(s): Admission to teacher education and admission to student teaching. This course is to be taken concurrently with PTE 4828, 4838 or 4848. 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)**Department of 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, 4123, BIO 1114, PTE 3023, 3163 and senior 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 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 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 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 Com. Rec. 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): 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): 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): 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): 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): 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): 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): 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): 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.

SAFETY (SFTY)**Department of Occupational and Technology Education****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 2413 - Hand/Power/Machine Tool Safety

This course will detail the common hand, power, and machine tools workers are likely to encounter in industrial settings. Class topics include tool identification, machine guarding, control of hazardous energy (lockout/tagout), OSHA general industry and construction regulations, and the application of job safety analysis and machine inspection techniques to safeguard workers from associated hazards.

SFTY 2503 - Basic Measurement In Industrial Safety

A study in applying the basic sciences of math, biology, chemistry and physics as they relate to industry. Emphasis is placed on assessing safe work and environmental conditions and regulatory compliance.

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 - Industrial Safety I

This course provides an overview of the industrial safety movement in America, elements of industrial safety programs, and industrial safety regulatory standards and practices. Prerequisite(s): SFTY 2343. Sophomore, junior or senior standing.

SFTY 3102 - Legal Aspects Of Safety Education

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.

SFTY 3112 - Physical Aspects Of Industrial Safety

This course is the study of select principles in the physical sciences as they apply directly to the engineering aspects of industrial safety including: the concepts of force, work, energy, and power; the properties of materials; soil mechanics; heat transfer; and fluids. Prerequisite(s): 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.

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.

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. Junior or senior standing.

SFTY 3403 - Traffic Court/Law Enforcement

The nature, function, and application of traffic law and the traffic courts as they relate to the safe and efficient movement of people and goods in a broadly conceived traffic accident prevention program.

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 compo-

nents of the course include regulatory compliance, recordkeeping, 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): Sophomore standing or above.

SFTY 3523 - Health Care Safety

A study of hazards associated with infectious material, radiation, ethylene oxide and the hazardous wastes found in the health care setting. Guidelines from CDEC, JCAHO, and EPA will be applied.

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 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 - Industrial Safety II

This course provides an overview of the engineering and technological aspects of current industrial safety practice. Prerequisite(s): SFTY 3073. 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.

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 4142 - Respiratory Protection

A study of the anatomy and physiology of the respiratory system data will be presented as they relate to specific regulatory standards and management of a respiratory program. Prerequisite(s): SFTY 4152.

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.

SFTY 4163 - Environmental Safety

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.

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.

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 management models will be studied. Prerequisite(s): Junior or senior standing. Enrollment open to Industrial Safety majors only.

SFTY 4213 - Chemical/Toxic Hazardous Material/Waste

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.

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 2343.

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.

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. The class will have the opportunity to analyze their own audiograms courtesy of a local safety consultation firm. Prerequisite(s): 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): 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): 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): Junior or senior standing.

SFTY 4402 - Supervision Of Transportation

A study of transportation as it relates to industrial concerns, including hazardous materials, driver selection, accidents and other safety areas.

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): 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 3073 and 2343. 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): 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. Junior or senior standing.

SFTY 4502 - Traffic Engineering

This course is designed to orient the driver and safety educator to the basic characteristics and operations of the traffic engineering department; devices and techniques, signals, parking restrictions, coordination of traffic lights, channelization, redesign of intersections, utilization of reversible lanes or unbalanced flow, pedestrian controls and the use of signs and pavement markings.

SFTY 4522 - Industrial Process Safety

An examination of industrial processes, detailing health and safety considerations. Included are processes involving industrial coatings, welding, robotics, lasers, conveyors, machine tooling, injection molding, forging and stamping. Prerequisite(s): SFTY 3073.

SFTY 4613 - Professional Safety Development

This course is the study of ethical, legal, technical, and regulatory requirements related to the professional practice of Industrial Safety. Included are the analyses of the various categories of expertise required in order to become a professionally and legally recognized practitioner of Industrial Safety. Prerequisite(s): Senior standing.

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)
Department of 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 - Articulation 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 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.

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.

SOC 3103 - Juvenile Delinquency

Causes leading to delinquency; methods of control.

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.

SOC 3203 - Minorities In American Society

Understand the concept of minority group and minority group behavior; understand the extent of the sociocultural reasons for prejudice and discrimination; examine contemporary dominant-minority group relations in the United States. Prerequisite(s): Junior or senior standing.

SOC 3303 - Sociology Of Health And Medicine

A study which includes the application of sociological concepts and research findings to the areas of health beliefs and practices. It also includes a study of the sociocultural and social-psychological aspects of illness.

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.

SOC 3573 - Sociology Of Religion

A theoretical examination of religious beliefs and practices as they relate to other social institutions and forces. Junior or senior standing.

SOC 3633 - Criminology

The cause, prevention, and treatment of crime.

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.

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.

SOC 4043 - Sociological Statistics

This course is an introduction to social statistics and their application in social research. It is designed to help students identify and under-

stand 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. This course replaces SOC 4783. Prerequisite(s): ENG 1113, 1213, SOC 2103 and 9 additional hours of Sociology.

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 sophomore 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.

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.

SOC 4223 - Group Dynamics

Groups are fundamentally important units of everyday social life. Their continual influence on behavior is often overlooked. We sometimes become so accustomed to interacting in groups that we take them for granted, and so have difficulty understanding their dynamics, or observing them objectively. In this course, we will study theory and research dealing with group processes while demonstrating the relevance of this work in applied settings. Students will participate in some structured and unstructured group exercises. Prerequisite(s): ENG 1113, 1213, (SOC 2103 or PSY 2703).

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).

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.

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.

SOC 4443 - Social Stratification

Theories of class and caste; wealth, status, and power; the American class system. Prerequisite(s): ENG 1113, 1213, SOC 2103, 2203, and 2303. Junior or senior standing.

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

A critical consideration of social problems, causes of social maladjustments, a consideration of means for the amelioration of social ills. Prerequisite(s): ENG 1113 and 1213.

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 Theory

Theory, structure and techniques of private, municipal, state, and federal welfare agencies. Prerequisite(s): ENG 1113 and 1213.

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): 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 4773 - Sociological Research

The major emphasis in this course is quantitative research design, with some attention given to qualitative research procedures. A variety of 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, 4693 and 6 additional hours of upper division sociology. Junior or senior standing.

SOC 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. Prerequisite(s): ENG 1113 and 1213.

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**

This course is an introduction to Spanish grammar and vocabulary and emphasizes the development of speaking, writing, reading and listening in the language. Credit may not be earned for both SPAN 1114 and SPAN 1243. Heritage speakers of Spanish and students with 2 or more years of Spanish study in high school may not enroll in this course.

SPAN 1224 - Elementary Spanish II

This course 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. Credit may not be earned for both SPAN 1224 and SPAN 1263. Prerequisite(s): SPAN 1114 or one year of high school Spanish.

SPAN 1243 - Basic Spanish Reading Skills I

An intensive course in reading skills which includes necessary basic principles of pronunciation and grammar. This course is designed for students whose primary foreign language objective is the acquisition of a reading knowledge of Spanish. May not be used to satisfy requirements for a Spanish major or minor. Credit may not be earned for both SPAN 1243, SPAN 1114.

SPAN 1263 - Basic Spanish Reading II

Continuation of SPAN 1243. May not be used to satisfy requirements for a Spanish major or minor. Credit may not be earned for both SPAN 1263, and SPAN 1224. Prerequisite(s): SPAN 1243.

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 1213 or 1223 or 1233 or 1243) 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 1213 or 1223 or 1233 or 1243) 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

This course 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.

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): 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): 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): 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): 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): 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): 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): 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): 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): 17 hours of Spanish including SPAN 3223.

SPAN 4303 - Women Writing In Spanish America

This course provides a comprehensive overview of Spanish American 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): Seventeen hours in Spanish and written permission of the instructor.

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): 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): 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)**Department of 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 Hyper Dis

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 Inj

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 MildModerate 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 MildModerate 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 Mental Retardation

This course is a study of application of characteristics, causes, and academic, social, cultural, behavioral, emotional interventions for students with mild-moderate mental retardation. Emphasis is placed upon cultural aspects, organizational skills, time-management, self-advocacy, and methods and techniques of teaching students with mild-moderate mental retardation. Prerequisite(s): SPED 4123. 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, estimation methods, hypothesis tests, linear regression, and correlation. Prerequisite(s): MATH 1513 with a minimum grade of "C" or high school Algebra II 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 3103 - Statistical Methods I

Topics for this course include basic experimental statistics, methods of estimation, tests of significance, linear regression, and correlation. Credit may not be earned for both STAT 3103 and ECON 2173. Prerequisite(s): MATH 1453 or 1513.

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 3103. Junior or senior standing.

STAT 4113 - Mathematical Statistics I

This course covers probability distributions, expected values, moments, sampling distributions, and point estimation. Prerequisite(s): MATH 2333.

STAT 4123 - Mathematical Statistics II

This course covers multivariate normal distribution, maximum likelihood estimators, interval estimation, test of hypothesis, linear regression, decision theory, sequential analysis, and distribution free methods. Prerequisite(s): STAT 4113.

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 3103 with a minimum grade of "C". Junior or senior standing.

STAT 4253 - Computer Applications In Statistics

This course will include programming techniques, data organization, selection and interpretation of statistical tests as applied to SPSS (Statistical Package for Social Studies). Prerequisite(s): STAT 3103 with a minimum grade of "C" and junior standing or above.

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 3103 with a minimum grade of "C" and junior standing or above.

STAT 4353 - Probability Theory

This course covers generating functions, Markov chains, Classical probability theory, discrete sample spaces, combinatorial analysis, distributions, and random walks. Prerequisite(s): MATH 2333.

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 - Methods & Materials Bilingual Instruction

This course is designed to provide knowledge of current trends, methods, strategies and resources related to instructional issues and practices in bilingual settings. Upon completion, students will demonstrate proficiency in designing and adapting curriculum materials for bilingual classrooms, and planning and implementing bilingual instruction. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4133.

TESL 4143 - Teaching Reading To English Language Learners

This course will examine the basic considerations for teaching reading to limited English speakers. Topics will include the role and importance of literacy, assessment, readiness, language comprehension/skills development, and instructional materials, strategies and resources. 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 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 1311 - Production And Performance

In this course, the student will participate in the production and/or performance of UCO theatre arts presentations. 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 1513 - Beginning Acting

Designed to acquaint the beginning actor with the fundamentals of acting, this course explores the physical, vocal, emotional and technical aspects of the actor's craft in an effort to foster an appreciation of the actor's role in the theatrical experience. 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. Concurrent enrollment in THRT 1553 is required.

THRT 1533 - Voice And Diction

This course covers the study of vocal mechanism, phonetics, and related exercises to improve a student's voice, articulation, and expressive intonation. It is helpful for students wishing to eliminate a regional accent. This course is cross-listed with COMM 2103.

THRT 1553 - Speech for the Theatre

This course is designed to introduce the student to a study of the vocal mechanism and phonetics in an effort to improve speech clarity, accuracy, pronunciation and expressiveness. This course and THRT 3513 replace THRT 1543. Credit may not be earned for both THRT 1553 and 1543. Prerequisite(s): Enrollment open to Theatre Arts, Theatre/Communication Education, and Music Theatre majors only. Concurrent enrollment in THRT 1523 is required.

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): Concurrent enrollment in THRT 2613. 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 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 intonation. Group work is introduced for more physical control and text analysis is introduced with specific emphasis on vocal interpretation. Prerequisite(s): THRT 1613, 1523 or 1513 with written instructor permission. Enrollment open to Theatre Arts majors only. Concurrent enrollment in THRT 3583 is required.

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 - Theatrical Lighting Technology

This course introduces students to the basics of Theatrical Lighting Technology. Students will learn how to safely operate and evaluate the components of a variety of frequently used theatrical lighting equipment. This experience with equipment will range from basic cabling, dimming systems, and simple consoles to more advanced

lighting systems that utilize automated fixtures and their controllers. This course will also discuss the current trends in dimming protocol. This will be accomplished through lectures/discussions, exercised and hands-on projects in and outside the class meetings. Prerequisite(s): THRT 2133.

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 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 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 with written permission of the instructor. Concurrent enrollment in THRT 1613 is required. 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 with written permission of instructor or 1523, 2613, 3583, and sophomore standing or above. Concurrent enrollment in THRT 3633 is required. Enrollment open to Theatre Arts majors only.

THRT 2901 - Portfolio Seminar

This course addresses the preparation of design and content appropriate to a portfolio and a resume. Students select completed works and refine on-going projects for inclusion in a portfolio that is submitted at their Junior Affirmation juries. The resume design requires the student organize, assess and select their strongest self-portrait for the job market. 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 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, 3733 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 2901 with a minimum grade of "B".

THRT 3143 - Stage Management

This course will cover the basic skills needed for stage management. These skills include: rehearsal management, performance management, production meetings, blocking notation, prompting, scenery/props/costumes tracking and Q sheets, rehearsal and performance reporting, developing and implementing checklists, and "calling" the show. This course can be taken up to 4 times for credit. Prerequisite(s): THRT 2153 and sophomore standing or above.

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 3223 - Fundamentals of Tech Theatre

This course introduces elements of stagecraft and technical theatre. Emphasis is directed toward preparing the future theater teacher for the stagecraft classroom. The specific focus of the class is to train the student in stage rigging, lighting, sound, set design, set construction and theater safety. Prerequisite(s): Junior standing or above. Enrollment open to Theatre/Communication Education majors only.

THRT 3242 - 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): COMM 1113 or COMM 2023 with a minimum grade of "C". Junior or senior standing.

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

This course requires that the students read over thirty dramas from all eras and genres of the Theatre's history including modern and global literature. Demonstration of skills in analysis and interpretation and the comparison and contrast of thematic content are expected in required written and oral reports. This course provides a familiarity with a body of dramatic literature that constitutes the basic canon necessary for advanced work. Prerequisite(s): THRT 2303 and sophomore standing or above. Enrollment open to Theatre Arts majors only.

THRT 3403 - Costume History 1

This is a lecture-based survey course that traces the history of dress from ancient times through the Baroque Period. The emphasis is on the historical and societal factors that produced particular manners and styles of dress suitable for theatrical costuming. It is designed to encourage students to participate in the world around them which develops critical thinking skills. Prerequisite(s): THRT 2133, 2153 and 2173 with a minimum grade of "B" and sophomore standing or above.

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 3443 - Costume History 2

This is a lecture-based survey course that traces the history of dress from the Baroque Period through the present. The emphasis is on the historical and societal factors that produced particular manners and styles of dress suitable for theatrical costuming. It is designed to produce critical thinkers who look at and participate in the world around them. Prerequisite(s): THRT 2133, 2153 and 2173 and junior standing or above.

THRT 3513 - Dialects for the Theatre

Students will dramatize a variety of dialects such as Scottish, Irish, and British. Students will participate in vocal exercises that will prepare them for a variety of acting roles. This course and THRT 1553 replace THRT 1543. Credit may not be earned for both THRT 3513 and 1543. Prerequisite(s): THRT 1523, 1553 and sophomore stand or above. Enrollment open to Theatre Arts majors only.

THRT 3543 - Lighting Design

This course explores the steps in the lighting design process and how effective lighting enhances the quality of a theatrical production. Lighting Design explores in detail the instrumentation and equipment used in theatrical productions and the different software programs and other associated lighting paperwork used to organize the instrumentation of the design. Students keep their own lighting journals that contain examples of different qualities of light. Students enrolled in this class learn basic rendering skills while designing the lighting for in-class projects. Students also begin to research past and present lighting designers. Prerequisite(s): THRT 2133, 2303, and 3733 (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 (with written permission from instructor) or 1523. Enrollment open to Theatre Arts-Performance, Theatre/Communication Education, Music Theatre majors and Theatre Arts minors only.

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, 3583, 2233, and 2613 and sophomore standing or above. Concurrent enrollment in THRT 2643 is required. 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 - Theatre Graphics

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 3743 - Computer Graphics

This is a lecture and laboratory experience through which the student understands and 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. Prerequisite(s): THRT 3733 with a minimum grade of "B" and 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), 3433 and 3733 with a minimum grade of B. Junior or senior standing.

THRT 4323 - Advanced Lighting Design

This course is the capstone event of a lighting design student's experience. The student will explore in greater detail the textual analysis, research, conception and execution of a complete lighting design. The student will thoroughly analyze complex dramatic texts and articulate and conceptualize design proposals as well as demonstrate artistic control of drawing, painting and various expressive mediums. Advanced theatrical styles are defined as are the unique characteristics of thrust, in-the-round and proscenium stages. The student is expected to converse fluently in the language of collaborative communication. Prerequisite(s): THRT 3413, 3543, 3733 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, 3433 (or concurrent enrollment) and 3733 with a minimum grade of "B" and junior or senior standing.

THRT 4353 - History Of Theatre Beginning -1660

This course provides the student with a comprehensive survey of the development, important issues, prominent artists, and pivotal events in the history of theatre from its beginning to 1660. Prerequisite(s): Junior or senior standing.

THRT 4363 - History Of Theatre 1660-Present

This course provides the student with a comprehensive survey of the development, important issues, prominent artists, and pivotal events in the history of theatre from 1660 to the present. 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 4713 - Play Production

This course involves studying the techniques and philosophies of directing plays in contemporary theatre. Considerable emphasis is placed upon actual practice through the preparation and presentation of scenes from modern plays. The final project involves producing and directing a short play for public presentation. Prerequisite(s): Enrollment open to Theatre Arts - Performance and Theatre/Communication Education majors with senior standing only.

THRT 4723 - Acting Styles 2

This course embeds "back testing" of such skills as: mastery of heightened poetic language, period voice and movement, and various types of characterization. It then focuses on as yet unexplored eras of the Theatre's history such as the Restoration and Moliere. Students perform monologues and scenes in class. Emphasis is placed on the particular needs of the individuals and class at hand. Prerequisite(s): THRT 4623 and junior standing or above. 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): THRT 1523, 2613, 2643, 4723 and senior standing. Enrollment open to Theatre Arts - Performance majors only.

THRT 4873 - Design Thesis

This course is the student's capstone requirement. The student will participate in their area of expertise: costume, light or scene design - in the collaborative effort of director, designers and acting company. The student will produce a coherent analysis, interpretation and public presentation of a dramatic script; accompanying the project with documented research and appropriate, field specific demonstrations of drawing, rendering, plotting, model building, etc. skills. The course is completed with the execution of a major production's design. Prerequisite(s): THRT 4313 or 4323 or 4333 with a minimum grade of "B" and senior standing or above.

THRT 4881 - Design Exit Portfolio

This course guides the students in their completion of a professional level portfolio. A faculty jury views the results and provides advice and exercises are conducted to prepare the student for their job or graduate school interviews. 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 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 less than 45 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 freshmen and sophomore students on academic probation with forty-five or less credit hours.

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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The reference guide to the University of Central Oklahoma

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