



2024-2025

Graduate Catalog

 UNIVERSITY OF CENTRAL OKLAHOMA
JACKSON COLLEGE OF GRADUATE STUDIES

Table of Contents

Statement of Administrative Policy.....	4
About UCO & JCGS	5
People of UCO	12
Admission to Graduate Studies	14
Academic Regulations & Graduation Requirements	22
Financial & Student Services Information.....	35
College of Business.....	42
Business Administration, M.B.A.	44
Business Administration - Human Resources Management, M.B.A.	46
Business Administration - Managing Analytics, M.B.A.	48
Business Administration - Professional, M.B.A.	50
Business Administration - Sales Leadership, M.B.A.	52
Business Analytics, M.S.	54
Finance, M.S.	56
Certificate in Enterprise Analytics.....	58
College of Education & Professional Studies	59
Athletic Training, M.A.T.	61
Behavior Analysis, M.S.	64
Bilingual Education/TESOL, M.Ed.	66
Certification in Food Quality & Safety	68
Certificate in Higher Education Leadership - Program Management.....	69
Certification in Licensed Professional Counseling	70
Certificate in Teaching and Learning PreK-6th Grade.....	71
Counseling Psychology, M.A.	72
Curriculum and Instruction, Early Childhood Education, M.Ed.	74
Curriculum and Instruction, Teaching and Learning PreK-6th Grade, M.Ed.	75
Educational Leadership, M.Ed.	76
Family and Child Studies / Family and Child Studies - Infant/Child Specialist, M.S.	77
Family and Child Studies / Family Science, M.S.	78
Family and Child Studies / Marriage and Family Therapy, M.S.	79
Library Media Education, M.Ed.	80
Nutrition and Food Science, M.S.	81
Nutrition & Food Science, Dietetic Internship.....	82
Psychology - Experimental Psychology, M.S.	83
Psychology - Forensic Psychology, M.S.	85
Psychology - General Psychology, M.S.	87
Public Health, Public Health - Community Engagement, M.P.H.	89
Reading, M.Ed.	91
School Counseling, M.Ed.	92
School Counseling - School/Professional Counseling, M.Ed.	93
School Psychology, Ed.S.	95
Secondary Education, M.Ed.	98
Special Education, Mild-Moderate Disabilities, M.Ed.	99
Special Ed., Severe/Profound/Multiple Disabilities, M.Ed.	100
Speech-Language Pathology, M.S.	101
Talent Development and Workplace Learning - Talent Development, M.Ed.	103
Wellness Management - Exercise Science, M.S.	104
Certification Preparation	105
Behavior Analyst Certification	106
Gifted and Talented Certification.....	107
Library Media Specialist Certification.....	108
Oklahoma Elementary Math Specialist.....	109
Reading Specialist Certification	110
School Counselor Certification	111
School Principal Certification	112
Speech-Language Pathology Certification	113
Teacher Certification and Licensure	114
College of Fine Arts & Design.....	119
Certificate in Performance	121
Design, M.F.A.	122

Table of Contents continued

University of Central Oklahoma Graduate Catalog 2024-2025

Illustration, M.F.A.....	124
Music - Collaborative Piano, M.M.	125
Music - Composition, M.M.....	127
Music - Conducting, M.M.	129
Music - Music Education, M.M.	131
Music - Music Performance, M.M.....	133
Music - Musical Theatre, M.M.....	135
Music - Pedagogy, M.M.....	137
Jazz Studies, M.M.....	139
College of Liberal Arts	141
Addictions Counseling, M.A.	143
Certificate in Disaster Management.....	145
Certificate in Policy Analysis.....	146
Composition and Rhetoric, M.A.	147
Creative Writing, M.A.	149
Crime and Intelligence Analysis, M.A.....	150
Criminal Justice Management & Administration, M.A.	152
History, M.A.....	154
Liberal Studies, M.A.	156
Literature, M.A.....	158
Museum Studies, M.A.	159
Political Science, M.A.....	161
Political Science - International Affairs, M.A.....	163
Public Administration - Public & Nonprofit Management, M.P.A.	165
Public Administration - Urban Management, M.P.A.	167
Strategic Communications - Leadership in Communications, M.A.	169
TESL - Teaching English as a Second Language, M.A.....	171
College of Mathematics and Science	172
Applied Mathematics and Computer Science, M.S.....	174
Applied Mathematical Science - Mathematics, M.S.....	175
Applied Mathematical Science - Statistics, M.S.....	177
Applied Mathematical Science - Teaching, M.S.....	179
Biology, M.S.	181
Certificate in Cybersecurity	182
Computational Science - Computational Engineering, P.S.M.,	183
Computational Science - Computational Mathematics, P.S.M	185
Computational Science - Computer Science, P.S.M.	187
Computer Science, M.S.	189
Cybersecurity, M.S.	191
Data Science, M.S.	192
Engineering - Biomedical Engineering, M.S.	193
Engineering - Electrical Engineering, M.S.	195
Engineering - Engineering Physics, M.S.	197
Engineering - Mechanical Engineering, M.S.	199
Nursing, M.S.	201
Forensic Science Institute	203
Forensic Science, M.S.	205
Forensic Science - Chemistry, M.S.	207
Forensic Science - Digital Forensics, M.S.	209
Forensic Science - Molecular Biology, M.S.....	211
Doctor of Science - Forensic Science, D.Sc.	213
Jackson College of Graduate Studies	215
Accelerated Degree Pathways.....	216
Graduate Faculty	218
Graduate Course Descriptions	235

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, the Family & Medical Leave Act of 1993, 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 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 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.

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All information contained in this catalog is subject to change before the next catalog is published. It is ultimately the responsibility of the student to keep abreast of current regulations and program status.

Equal Opportunity Statement

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

Graduate Catalog 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 graduate programs. The officers of the university believe the information contained herein to be accurate as of the date of publication. However, it may be necessary to update the curricula of academic programs after publication of the catalog to insure programs are competitive and relevant. Therefore, the information in this catalog is subject to change before the next catalog is published. The university reserves the right to modify any provision of its policies, procedures, regulations, or other matters without prior notice in order to reflect changes to policies and practices that have been approved by university leadership and state officials after publication of this catalog.

About UCO and JCGS

Mission, Vision, and Values

Mission and Vision of the University

UCO's Mission

The University of Central Oklahoma empowers students to become ethical, creative and engaged citizens and leaders through our commitment to transformative learning experiences.

UCO's Vision Statement

As a leading metropolitan university, the University of Central Oklahoma prepares future leaders to positively impact local, state, and global communities.

Accessibility

We provide open opportunities for quality higher education and career development through unmatched value.

Community

We provide value and service while engaging within the campus and broader community. We address the social needs of our community through innovation.

Growth

We commit to a learner-centered focus that provides opportunities for holistic development.

Inclusivity

We commit to a learner-centered focus that provides opportunities for holistic development.

Integrity

We hold ourselves and our learners accountable to the highest standards of education, service and care.

Leadership

We cultivate the potential of our learners to positively and ethically influence and mobilize others.

Mission and Vision of the JCGS

Mission of the Jackson College of Graduate Studies

The Jackson College of Graduate Studies provides access to graduate education for culturally-diverse students locally, nationally, and internationally, while supporting UCO's mission of transformative learning through processes that maintain and enhance quality.

About the Jackson College of Graduate Studies

The University of Central Oklahoma has been authorized to grant master's degrees since 1954 when it was Central State College. The University offers over 44 graduate programs with more than 76 majors under nine degree designations: Master of Arts, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Music, Master of Public Administration, Master of Public Health, Master of Science, and Professional Science Master's.

The Jackson College of Graduate Studies (JCGS) was established in 1954 to coordinate and promote graduate education at UCO. In 2004 the College acquired its present name in honor of Joe C. Jackson, who served the University for over 28 years including 25 years as Vice President for Academic Affairs.

Today, the Jackson College of Graduate Studies provides oversight of curriculum, policies, programming, recruitment, marketing, and retention efforts for graduate studies at UCO. Reporting to the provost and working with leadership across disciplinary colleges and university units, the graduate dean leads the JCGS and its staff as well as serves as chair of the graduate council.

About the Value of a UCO Graduate Degree

At UCO, a graduate degree signifies that its recipient possesses the disciplinary knowledge, analytical skills, and mature judgement of an advanced professional and a well-educated person. Graduate degree completion brings the satisfaction of in-depth mastery of a chosen field and the confidence needed for the discovery and application of that new knowledge.

Accreditation

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

Institutional, College, School and Department Accreditations

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

- The College of Business is accredited by the [Association to Advance Collegiate Schools of Business \(AACSB\)](#).

Specialized Accreditations

Specialized accreditations are granted by the following institutions:

Graduate Accreditations

- The Master of Science in Speech-Language Pathology is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the [American Speech Language Hearing Association \(ASHA\)](#).
- The Master of Science in Athletic Training is accredited by the [Commission on Accreditation of Athletic Training Education \(CAATE\)](#).
- The Master of Fine Arts in Design program is accredited by the [National Association of Schools of Art and Design \(NA-SAD\)](#).
- The Master of Science in Nursing is accredited by the [Commission on Collegiate Nursing Education \(CCNE\)](#).
- The Master of Arts in Counseling Psychology is accredited by the [Masters in Psychology Counseling Accreditation Council \(MPCAC\)](#).
- The Master of Education – Bilingual Education/TESL is recognized by the [Teachers of English to Speakers of Other Languages \(TESOL\) International Association](#). The Master of Education — Educational Leadership is recognized by the National Educational Leadership Program (NELP) standards, formerly called the Educational Leadership Constituent Council (ELCC). The Master of Education – Library Media Education is recognized by the [American Library Association \(ALA\)](#). The Master of Education- Reading & the Master of Education - School Counseling are approved by the [Oklahoma Office of Educational Quality & Accountability \(OEQA\)](#).
- All of these programs and the Master of Education – Early Childhood Education, the Master of Education - Elementary Education, the Master of Education – Secondary Education, and the Master’s programs of Education - Special Education (Mild-Moderate Disabilities & Severe-Profound/Multiple Disabilities) are accredited by the [Council for the Accreditation of Education Preparation \(CAEP\)](#).
- The Master of Science in Forensic Science - Chemistry, Master of Science in Forensic Science - Molecular Biology, and Master of Science in Forensic Science - Digital Forensics degrees are accredited by the [Forensic Science Education Programs Accreditation Commission \(FEPAC\)](#).

Title IX

Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681) is an all-encompassing federal law that prohibits

discrimination on the basis of sex in educational programs and activities that receive federal financial assistance. Consistent with this obligation, the University of Central Oklahoma prohibits discrimination and harassment on the basis of sex in academics, employment, and all of its programs and activities.

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

Title IX Coordinator

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About Edmond, Oklahoma

The University of Central Oklahoma is located in Edmond, a vibrant suburban city with a population of 91,000. According to a number of national magazines, it is one of the nation’s most desirable places to live with its thriving historic downtown, excellent school system and cultural offerings. The community enjoys year-round music, art, theater, and sporting events. Known worldwide for its outstanding golf courses, Edmond hosts some of the most exciting PGA and celebrity events. Edmond tennis courts have a history of hosting USTA tournaments.

Near to Edmond are many other points of interest and activities. The Lazy E Arena, about 15 miles north of town, provides a full calendar of rodeo events. Just minutes east of the campus is Lake Arcadia, offering a UCO meeting facility, hiking trails, fishing, water skiing, outdoor recreational and research opportunities. Fifteen minutes to the south is Oklahoma City with Bricktown, the NBA Thunder, international rowing, live music venues, Oklahoma’s State Capitol, the Oklahoma City Zoo, the First Americans Museum, and a variety of other attractions.

Edmond’s July 4 LibertyFest celebration has been selected as one of the top 10 holiday places in America by CNN and USA Today.

History of UCO

The University of Central Oklahoma is the oldest institution of higher learning in Oklahoma, dating back to December 24, 1890, when it was established as the Territorial Normal School.

The first class, a group of 23 students, met Nov. 9, 1891, in the Epworth League Room, in the unfurnished First Methodist Church on Hurd Street.

Work started in the summer of 1892 on Old North Tower,

the first building on campus. Occupancy began Jan. 3, 1893.

At first, the school offered two years of college work and a complete preparatory school. In 1897, the first graduating class — two men and three women — received their Normal School diplomas preparing them as teachers. In 1904, Territorial Normal became Central State Normal School. Statehood was still three years away.

On December 29, 1919, the State Board of Education transformed Central into a four-year teachers' college conferring bachelor's degrees and renamed it Central State Teachers' College. Two years later, the Class of 1921 had nine members, the first graduates to receive four-year degrees.

In 1939, the state legislature again changed the name of the institution to Central State College and authorized it to grant degrees without teaching certificates.

In 1954, the Oklahoma State Regents for Higher Education gave Central permission to offer the Master of Teaching Degree, which became the Master of Education in 1969. In 1971, the college added the Master of Arts in English and the Master of Business Administration degrees. Other undergraduate and graduate degrees followed.

On April 13, 1971, the state legislature officially changed the institution's name to Central State University and authorized the institution to offer graduate degrees. On May 18, 1990, during the institution's Centennial Year, the name became the University of Central Oklahoma.

Today, UCO has grown from 23 frontier students seeking teaching certificates in a local church to a metropolitan, four-year university with an enrollment of over 17,000 studying on a 200-acre campus.

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
Dr. W. Max Chambers	1948 - 1960
Dr. Garland Godfrey	1960 - 1975
Dr. Bill J. Lillard	1975 - 1992
George Nigh	1992 - 1997
W. Roger Webb	1997 - 2011
Dr. Don Betz	2011 - 2019
Patti Neuhold-Ravikumar	2019 - 2022
Andrew Benton	2023 - 2023
Todd Lamb	2023 -

Academic Buildings

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

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

UCO @ Santa Fe Place, located in Downtown Oklahoma City, provides accessible and convenient opportunities for working adults and downtown residents who are seeking to further their education. Renovations completed in 2019 include new classrooms and a STEM lab, office space for faculty and staff, The Catbird Seat business incubator, and the KUCO radio station.

The **CHK|Central Boathouse**, located on the Oklahoma River in Downtown Oklahoma City's vibrant Boathouse District, serves as home to UCO's women's rowing team, as well as houses an art gallery and a live performance venue.

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

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

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

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

The house has changed owners seven times since it was built. In the early 1980's, the house was operated as a Tea and Antique Room. In the late 1980's, the University purchased the home and it was used as a faculty and staff restaurant called the "University House," which closed in 2000.

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

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

Gallery.

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

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

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

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

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

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

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

Following the completion of the new library, the former Max Chambers Library (constructed in 1956) was renovated to

become the **Communications Building** in 1968. It supplies offices, classrooms, and labs for the departments of Mass Communication, KCSC Radio, the student newspaper the Vista, and the KUCO-TV television studios.

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

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

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

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

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

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

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

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

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

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

restaurant.

The **Liberal Arts Building** was completed during the summer of 1969 and houses most of the departments in the College of Liberal Arts. A 55,000 square foot addition to the building was added in July 2019. The addition contains multiple transformative style classrooms, a large 200+ seat auditorium w/ storm shelter function, faculty offices, a study room, and student community area.

Mitchell Hall Theatre was dedicated June 29, 1926. It has been remodeled and seating expanded for performing arts productions. The scene shop, crossover/storage, dressing rooms and classroom additions added approximately 5,000 square feet to the facility in 1997. In 2017, the Mitchell Education Center was added to Mitchell Hall to provide performance rehearsal space, costume storage, theater rehearsal and dance studio, greenroom and dressing rooms, plus allow for classes to be taught for the various backstage professions in costume, design, performance makeup, costume fabrication and maintenance.

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

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

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

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

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

The **Selman Living Laboratory** is a field station near the town of Freedom in western Oklahoma that occupies more than 300 acres of mixed-grass-gypsum prairie including the biologically important Selman Cave System. The laboratory

was established in 1998 through a grant from the Oklahoma Department of Tourism, and has continued to grow and develop through generous donations from the Selman family, supporters of the laboratory, and state and federal grants

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

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

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

The construction of the 26,000 square foot **North Hamilton Annex** was completed in November of 2019. This facility includes a new wrestling annex, an auxiliary gym, and locker room facilities for many women's teams.

Chad Richison Stadium is home for the Bronchos football team. First used in 1965, and formerly known as Wantland Stadium, the facility underwent a \$16 million renovation in 2005. Additional improvements were made possible by a \$10 million gift by alumni Chad Richison, founder and CEO of Paycom, in 2022.

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

The **Softball Complex** construction began June 2016 and was completed February 2017. The facility includes locker rooms, coaches' office, team lounge, public restrooms, press box facility, visitor and home team dugouts, and visitor and home team bullpen/batting cages.

The **South Central Plant** project includes three elements: the construction of 6,500 square foot stand-alone building that houses the plant equipment, chiller plant and control systems, and an underground piping loop that serves the south side of campus. It was completed in October 2017.

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

A multi-purpose 57,140 square foot recreational center, the facility 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 sectorized equipment, classrooms, rock climbing wall, and a vending area.

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

Academic Calendar

Fall Semester 2024

Classes begin	August 19, 2024
Labor Day - No Classes	September 2, 2024
Fall Break - No Classes.....	October 17-18, 2024
Thanksgiving - No Classes.....	November 27-29, 2024
Fall Classwork Ends.....	December 6, 2024
Fall Semester Final Exams.....	December 9-13, 2024
Fall Commencement	December 13-14, 2024
Winter Break.....	December 23, 2024 - January 3, 2025

Spring Semester 2025

Classes begin.....	January 13, 2025
Martin Luther King, Jr. Day - No Classes	January 20, 2025
Spring Break - No Classes	March 17-21, 2025
Spring Classwork Ends	May 2, 2025
Spring Semester Final Exams	May 5-9, 2025
Spring Commencement.....	May 9-10, 2025
Memorial Day - No Classes.....	May 26, 2025

Summer Semester 2025

Summer and Block 1 Classes begin.....	June 2, 2025
Independence Day observed - Holiday, No Classes	July 4, 2025
Summer Classwork ends.....	July 25, 2025
Summer Final Exams	July 25, 2025

UCO Full Academic Calendar

https://www.uco.edu/_internal/files/academic-calendar.pdf

PEOPLE OF UCO



UNIVERSITY OF CENTRAL OKLAHOMA
**Jackson College of
Graduate Studies**

ADMISSION TO GRADUATE STUDIES



UNIVERSITY OF CENTRAL OKLAHOMA
**Jackson College of
Graduate Studies**

Admission to Graduate Studies

All students must gain admission to the Jackson College of Graduate Studies (JCGS) before enrolling in graduate courses. All degree-seeking students must gain admission to the Jackson College of Graduate Studies and be accepted by their programs before enrolling in graduate courses. Undergraduate students, wishing to enroll in graduate courses may do so under the “Academic Regulations” section on “Mixed Enrollments” or on “Accelerated Degree Pathways” without first gaining admission to graduate studies.

1. How to Apply for Graduate Admission at UCO

An online application can be found at: www.uco.edu/graduate. The applicant should read the appropriate section of this catalog to find out if letters of recommendation, test score reports, or other documents are required for admission. When all required documents are received, our office will send the submitted documents to the respective program advisor for review and acceptance. Applicants are welcome to call the office of the Jackson College of Graduate Studies at 405-974-3341, visit in person (NUC 404), or access the JCGS website at: www.uco.edu/graduate.

2. When to Apply

Applicants who have already completed bachelor degrees may apply as early as one year in advance of intended enrollment.

Applicants who are currently enrolled as undergraduates and who plan to go directly to graduate school are encouraged to submit their application materials prior to bachelor’s degree graduation. The Jackson College of Graduate Studies and the specific graduate programs may make tentative graduate admission and acceptance decisions based on grades posted one semester before graduation. Admission (or rejection) of an individual applicant will not be finalized, however, until the undergraduate degree is completed and all grades and the degree are posted on the official transcript.

For all programs, applicants are advised to apply well in advance of the semester in which they intend to begin classes. Certain programs have specific application deadlines as indicated in the program sections of this catalog. In addition, there are specific application deadlines for international students. (See the International Graduate Students heading later in this chapter.)

Some programs accept students for any semester, and others confine acceptance to specific times because of curriculum sequencing and/or capacity considerations. Check the specific program section of this catalog to

determine the admission cycle for the program in which you are interested.

Students who have not yet received their bachelor’s degree must submit a letter from their undergraduate university’s Registrar’s office verifying graduation.

Students in an Accelerated Degree Pathway should refer to the “Admission Prior to Posted Bachelor’s Degree” section of this catalog.

3. Application Materials

- A. *UCO Graduate Admission Application form.* The application form is required for ALL new graduate students including those currently enrolled as undergraduates at UCO. To apply online [click here](#). (Note: a completed application form is also required for readmission of former graduate students who have not been enrolled for over one year, as well as an approved appeal for those who were suspended regardless of the length of non-enrollment.)
- B. *Non-refundable application fee of \$60.* (Paid by credit card while applying online.)
- C. *Official (not student) copies of transcripts.* Applicants must submit transcripts from ALL accredited institutions of higher learning attended at the undergraduate and graduate level, and any degree(s) earned must be posted on the appropriate transcript(s).
- D. *Scores from the GMAT or GRE* (if required by the program). See the degree sheet for the specific major to determine if the GMAT or GRE is required. Information about how to take these admission exams is provided under a heading later in this chapter.
- E. *Letters of recommendation and other documents* (if required by the program). See the degree sheet for the specific program to determine if letters and/or other documents must be submitted. It is recommended that applicants contact the program office directly for additional details.
- F. *Appropriate visa and evidence of English Language Proficiency.* See the International Graduate Student heading later in this chapter for complete information about the admission of international students to graduate study at UCO.

4. Immunizations

Oklahoma state law requires that all new students who attend Oklahoma colleges and universities for the first time provide proof of immunization for certain diseases. Contact the Jackson College of Graduate Studies for more information by calling 405-974-3341 or by visiting www.uco.edu/graduate.

5. Admission Examinations

Some UCO graduate programs require students to submit GMAT or GRE scores for admission. It is the applicant’s responsibility to complete the exam, pay fees, and have scores forwarded to UCO. (Scores more than

five years old are not acceptable.) Information about how to take the examinations follows:

A. Graduate Management Admission Test (GMAT)

The GMAT (or GRE) is required for all students seeking an MBA degree at UCO. Test scores must be submitted before the student will be admitted to the program. The computer version of the GMAT is offered every day except Sunday, holidays and the first two days of the month at the Pearson Professional Center of Oklahoma, 5100 N. Brookline Ave., Ste. 282, Oklahoma City, OK 73112. Phone 405-917-7325 for appointment. For regularly updated information about the availability of test centers, call 405-917-7325 or 1-800-247-8731. UCO School code for testing purposes is 6091.

See the website at: www.mba.com for GMAT information, sample questions and testing sites.

B. Graduate Record Exam (GRE)

The GRE is required for students seeking several graduate degrees at UCO (see list below). Examination scores must be sent to the Jackson College of Graduate Studies. Examination schedules and expenses are the responsibility of the student. No scores more than five years old will be accepted. The computer version of the GRE is offered every day except Sundays and holidays at the Prometric Learning Center, 3545 NW 58th, #210, Oklahoma City, OK, 73112. (<https://www.ets.org/gre/>). For regularly updated information about the availability of test centers, call Prometric at 405-917-1724 or 1-800-473-2255. UCO school code for testing purposes is 6091.

C. Programs Requiring GRE

The programs requiring the Graduate Record Exam are as follows:

- Behavior Analysis (M.S.)
- Business Administration (M.B.A.)
- Counseling Psychology (M.A.)
- Psychology (M.S.)
- School Psychology (Ed.S.)

6. Admission Standards

All master's degree programs at UCO require that students hold an accredited bachelor's degree (or equivalent for international students). All doctoral programs require that students hold an accredited master's or equivalent degree. Accelerated Degree Pathway policies are in the "Graduate Credit Earned While Still an Undergraduate (Accelerated Degree Pathway) section of this catalog. Usually, the undergraduate major will be in a field directly relevant to the master's degree major. Some programs may, however, choose to admit students holding less directly relevant bachelor's degrees if, in the discretion of the program, the student is prepared, or can become prepared by prerequisite coursework or other activity, for work in the graduate field.

Each program has established a minimum undergraduate or graduate grade point average (GPA) standard for regular admission (see p. 20.) In addition, some programs have also established minimum GMAT or GRE scores and/or specified a minimum index computed using GRE and GPA. If a program requires letters of recommendation and/or other documents, the submission of such is a minimum requirement for program admission.

A completed post baccalaureate degree from an appropriately regionally-accredited institution with at least a 3.00 GPA may also be used to determine eligibility for admission. Doctoral programs require at least a 3.25 overall GPA in a master's or equivalent program for admission.

Categories of Admission

Regular Admission:

The Jackson College of Graduate Studies processes applications for admission and responds either by denying the student for admission or by accepting the student under one of the categories below. All students must be admitted, and degree-seeking students must also be accepted by their programs, before enrolling in graduate courses.

Most students admitted to graduate study at UCO will be classified as "regular" graduate students. This means that they have completed a bachelor's degree or post baccalaureate degree and that they face no further admission requirements as long as they remain in good academic standing and in continuous enrollment (i.e., no break longer than one-year).

Conditional Admission (GPA):

Conditional Admission (GPA) relates to undergraduate grade point average (GPA), except for doctoral programs, which use the master's level GPA. If the graduate program determines that there is good reason to believe that an applicant will be successful despite the applicant's lower than minimum GPA, the program may, at its discretion, request admission of the student on a Conditional Admission (GPA) basis as follows:

- For master's and specialist programs, an applicant's undergraduate GPA must be at least 2.25 on a 4.00 scale or at least 3.00 on a 4.00 scale in graduate coursework if the applicant has completed at least 6 graduate hours at an accredited institution or institutions.
- For doctoral programs, an applicant's cumulative graduate GPA must be at least 3.00 on a 4.00 scale.

Conditional Admission (GPA) students must meet all other criteria for all students. Some programs do not admit students on a Conditional Admission (GPA) basis. See program listings.

Conditional Admission (GPA) students in master's and specialist programs may take no more than a total of 12 graduate hours while in Conditional Admission (GPA) status. Conditional Admission (GPA) students in doctoral programs may take no more than 14 graduate hours while in conditional admission status. Once Conditional Admission (GPA) students have completed at least 9 hours with a GPA of at least 3.00 for master's and specialist students or 3.25 for doctoral students

in all graduate hours completed, they have met Conditional Admission (GPA) criteria and can continue graduate study. If Conditional Admission (GPA) students have completed at least 9 hours with a GPA less than 3.00 for all graduate hours completed, or less than 3.25 for doctoral programs, they will be placed on probation. See the Academic Probation and Suspension section of this catalog for details and procedures.

Conditional Admission (Prerequisites):

If the graduate program determines that there is good reason to believe that an applicant will be successful despite the applicant not having completed some specified program prerequisites, the program may, at its discretion, request admission for the student on a Conditional Admission (Prerequisites) basis. At the time of admission, the program will specify the student's deficiencies. These deficiencies must be removed within 12-months of first UCO graduate enrollment. In some cases, all deficiencies must be completed before students may enroll in certain program-required courses, beyond those allowed under Mixed Enrollment. In other cases, advisors may allow students to enroll in both prerequisites and certain program-required courses. See program listings for details. If the students have satisfactorily completed all prerequisites before their deadlines, they will be shifted to Regular Admission status. If the prerequisites are not completed by the deadline, the students will be suspended. Some programs do not accept students on a Conditional Admission (Prerequisites) basis. See program listings.

Conditional Admission (English Language Proficiency):

If the graduate program determines that there is good reason to believe that an international applicant will be successful as indicated by the applicant's having met the other standards for regular or conditional admission, the program may at its discretion request admission for the student under Conditional Admission (English Language Proficiency), conditional to the student meeting the standards listed in the section on "English Language Proficiency." Students must meet these standards before they are allowed to enroll in UCO graduate courses. Conditional Admission (English Language Proficiency) students have a maximum of 18 months from the date of conditional admission to fulfill their language requirement. Failure to do so will nullify the student's acceptance and require a new application for graduate admission.

Conditional Admission (Transcript):

Students, who have completed all steps for program acceptance and graduate admission, including the filing of a partial transcript with evidence of expected completion of a bachelor's degree within the current semester or the following summer, but without the filing of a final undergraduate transcript showing the actual completion of the bachelor's degree, will be admitted as Conditional Admission (Transcript) students. These students may not enroll in graduate classes beyond those allowed under the Mixed Enrollment Policy until they have shown evidence of obtainment of bachelor's degrees.

Deferring Admission

Students are admitted for the semester in which they apply. Students who have been accepted may defer admission for 12 months from the start date of the semester for which they are admitted, provided that they still meet all admission requirements at the time of UCO enrollment and have reported all credit hours attempted at other higher education institutions since the time of UCO graduate admission. Students seeking deferrals must make their requests within the online application portal. UCO will not charge a second application fee to students so deferred. Students may gain a deferment for their admissions only once. Beyond the deferral's deadline, students must reapply for admissions and again pay an application fee.

Readmission

Students who have not enrolled and completed a graduate course at UCO for a minimum period of one year must apply for readmission as graduate students to the Jackson College of Graduate Studies, must meet the requirements for the program at that time, and must pay the non-refundable application fee.

Readmission for Conditional Admission Students

Conditional Admission (GPA) students who voluntarily and officially withdraw from UCO before earning graduate grades or who withdraw with GPAs of at least 3.00 for master's and specialist programs or 3.25 for doctoral programs with no graduate grades of "C or Lower" may be readmitted as Conditional Admission (GPA) students. Conditional Admission (GPA) students who leave voluntarily and officially withdraw but do not meet these standards and those who leave involuntarily (such as through dismissals or administrative withdrawals) and seek readmission must meet all requirements for Regular Admission.

Denial of Admission

Admission is typically denied if an applicant fails to meet one or more of the admissions requirements or standards of the Jackson College of Graduate Studies (JCGS) or the graduate program to which they applied. As the process for graduate admission is competitive, students meeting basic admission requirements who are less well qualified than other applicants may also be denied admission. Denial reasons vary and may include, but are not limited to:

Denied admission from the JCGS due to

- low undergraduate or graduate grade point average (GPA).
- unaccredited degrees or insufficient academic credentials.
- academic suspension or academic misconduct.
- submission of fraudulent or modified documents during the application process.
- insufficient proof of English language proficiency.

Or, denied admission by the program due to

- lack of academic background or poor academic performance.
- program capacity or competitiveness.

Admission to Graduate Studies

Denial of admission due to the submission of any false information or fraudulent documents in connection with the application process will result in future automatic denials by the Jackson College of Graduate Studies.

Applicants denied for reasons other than false information or fraudulent documents may reapply for admission to a different program or the same program. A new application for admission and application fee will be required for each time an applicant wishes to be considered for admission to graduate studies. Decisions made that result in a denial of admission are final and are not subject to appeal by the applicant.

Non-Credential-Seeking Students

Non-Degree Credential students are those who wish to take graduate-level courses and are not seeking admission to a graduate degree or certificate program at the University of Central Oklahoma. To be admitted as a non-credential-seeking graduate student at UCO, the student's undergraduate transcripts must show a minimum 2.25 overall undergraduate GPA on a 4.0-point scale or 3.0 overall graduate GPA on a 4.0-scale. Some departments/schools/institutes do not allow non-credential-seeking students to take graduate courses in their programs, and some individual courses are limited to credential-seeking students.

Non-credential students may enroll for a maximum of 12 graduate hours per semester. Taking a course as a non-credential student does not constitute admission to a program or guarantee later applicability of these courses toward a program. If non-credential students subsequently achieve admission to a graduate degree program, courses taken in "non-credential" status will be evaluated by the graduate program advisor to determine their applicability to the degree. In most cases, only those courses that appear on the graduate program degree sheet or the certificate program sheet will be allowed to count towards the degree or certificate.

Graduate students will be allowed to change their status from non-credential to credential-seeking or vice versa at the beginning of each semester, except for students wishing to enter programs that admit students only once a year. In those cases, student status changes are limited to the programs' admission periods. Those seeking to become credential-seeking would still have to meet all regulations and admission requirements, including graduate program advisor approval. Once students decide to become credential-seeking, it is in their best interest to apply to the degree or certificate program as soon as possible in order to take advantage of all of the opportunities made available in the program, some of which may not be available to non-credential-seeking students. Students may not become credential-seeking in the same semester that they plan to graduate.

Admission Prior to Posted Bachelor's Degree

1. Until the degree is posted, the student may only enroll in a total of ten (10) graduate hours. If the student completed 10 graduate hours as a part of mixed enrollments, the student will not be able to enroll until bachelor's degree

is posted.

2. If the bachelor's degree is not posted within the first 10 graduate hours, the student will not be allowed to enroll in future graduate courses.
3. Students in the last semester of an Accelerated Degree Pathway will be allowed to enroll for the following semester, but will be administratively dropped if the undergraduate degree is not posted by the week before classes begin.

International Graduate Students

The University of Central Oklahoma welcomes international students and encourages them to enroll in graduate programs for which they are qualified. The Office of Global Affairs provides a number of services for international applicants, including help with the I-20 and visa process, cost of attendance, scholarship information, and travel considerations.

Office of Global Affairs
 Nigh University Center, Room 137
 University of Central Oklahoma, Box 163
 100 N. University Drive
 Edmond, OK 73034 USA
 Telephone: 405-974-2390
 E-mail: international@uco.edu

International students must meet the Jackson College of Graduate Studies admission standards for all students. In addition, the special regulations for international students must be met, unless UCO has a Memorandum of Understanding and/or a Transfer Agreement with the sending institution or its agents providing for exception to these regulations.

A. Enrollment and the F-1 and J-1 Visas

While studying at the University of Central Oklahoma, an international graduate student on F-1 visa status must maintain full time enrollment each semester to preserve his/her US Citizenship and Immigration Services (USCIS) status.

B. Undergraduate Degree and Transcripts

Admission to graduate study at UCO requires the completion of a bachelor's degree or a post baccalaureate degree from an accredited institution in the U.S. or the equivalent degree from another country. The determination of equivalence is made by UCO using generally accepted academic resources.

All graduate school applicants, including international students, must submit official copies of transcripts before their admissions can be finalized. UCO recognizes that obtaining official file copies of international transcripts can sometimes be difficult and time consuming. Accordingly, in some cases the Jackson College of Graduate Studies (JCGS) may grant admission based on examination and photocopying of documents, including a certified document from the student's institution stating that all requirements for the bachelor's degree have been satisfied, in the applicant's possession pending receipt of official documents. Official documents must be

Admission to Graduate Studies

received by the JCGS before the student's admission can be finalized.

C. International Grades

For the purpose of calculating Grade Point Averages (GPAs), UCO converts grades listed on the transcripts of other institutions to UCO's 4.0 grading scale. Because UCO does not grant grades of "plus" or "minus," a grade of "B+" from another institution, as an example, is recorded at UCO as a grade of "B," and given the value of 3.0.

D. English Language Proficiency

All students for whom English is a second language must present evidence of proficiency in the English language as required by the Oklahoma State Regents for Higher Education (OSRHE). The following are acceptable ways for potential graduate students to present such evidence of English proficiency:

1. Test of English as a Foreign Language (TOEFL)
 - b. Score of 550 or higher on the paper exam
 - c. Score of 213 or higher on the computer exam
 - d. Score of 79 or higher on the internet exam
2. International English Language Testing System (IELTS) score of 6.5.
3. PTE Academic score of 53 or higher
4. iTEP Academic Plus score of 4.0 or higher
5. Oklahoma State Regents for Higher Education (OSRHE) Approved English Language School.

Students with English proficiency test scores lower than the required minimums listed above may satisfy the language requirement by completing 12 weeks of study at an OSRHE-approved English language school with at least two-thirds of the 12 weeks of instruction at an advanced level. Students must complete 12 weeks of English courses after obtaining the following scores on the approved exams:

- a. TOEFL: Score between 500 - 549 on the paper exam
- b. TOEFL: Score between 173 - 212 on the computer exam
- c. TOEFL: Score between 61 - 78 on the internet exam
- d. IELTS: Score of 6.0
- e. PTE Academic: Score of 46-52
- f. iTEP Academic Plus: Score of 3.7-3.9
6. Complete a baccalaureate or graduate degree from an appropriately accredited college or university where English is the primary teaching language in a country where English is a primary language and that is recognized by professional organizations in the U.S. involved in admissions and international education.
7. Attend an appropriately regionally-accredited US college or university for a minimum of three full-time semesters of satisfactory graduate

work.

F. International Internships

Qualified international juniors, seniors, and graduate students are eligible for International Student Internships both on and off campus. The U.S. Bureau of Citizenship and Immigration Service has approved internships as "Curricular Practical Training." That means that interns may earn money working off-campus as well as on campus. Intern wage rates vary, but they are never lower than \$7.25 per hour. For complete information, access the Office of Global Affairs website at: oga.uco.edu.

Graduate Degrees, Programs, and Majors

The University of Central Oklahoma offers the following graduate degrees: Doctor of Science (D.Sc.), Education Specialist (Ed.S.), Master of Athletic Training (M.A.T.), Master of Business Administration (M.B.A.), Master of Education (M.Ed.), Master of Science (M.S.), Master of Arts (M.A.), Master of Fine Arts (M.F.A.), Master of Music (M.M.), Master of Public Administration (M.P.A.), Master of Public Health (M.P.H.), and Professional Science Master's (P.S.M.).

A graduate degree is composed of a program with one or more majors. All master's and specialist majors require a minimum of 32 credit hours. Doctoral programs require a minimum of 60 credit hours. If the program contains only one major, then the program and major have the same title and same number of credit hours. In programs with more than one major, each major has its own title and its own credit hour requirements following the minimums mentioned above, approximately 50% of which must duplicate hours in the other major or majors within the same program. These duplicated hours form a common core of courses for that program.

Graduate Certificates

Across the U.S., graduate certificate programs allow students and professionals to focus their learning in advanced areas of expertise related to employment and to validate this specific learning with a credential. At UCO, graduate certificate programs are part of the university's metropolitan mission in that they prepare students to meet specific needs of OKC metropolitan employers.

Graduate certificates are post-bachelor's programs composed of transcribed, sequenced, credit-bearing courses, fewer in number than those hours required for graduate degrees. In some cases, programs add related non-course requirements, but all courses and other requirements must be part of a coherent body of work-related, specialized content.

Types of Graduate Certificates

- An embedded certificate is comprised of a course of study in which the curriculum required is a subset of a single existing graduate degree. In other words, all of the courses required to earn the certificate are explicitly listed as a subset of required courses within a specific

Admission to Graduate Studies

degree program. Students who complete the degree program will have had the opportunity to complete all courses required of the certificate.

- A stand-alone certificate is comprised of a course of study in which the curriculum is not identified as a subset of courses that are required for completion of a single existing graduate degree program. In other words, not all courses required to earn the certificate will be in common with courses required of a single specific UCO graduate degree.

Financial Aid for Graduate Certificates

- Students seeking certificates are credential-seeking students.
- Because of Oklahoma State Regents for Higher Education (OSRHE) rules, Higher Learning Commission rules, and, in most cases, U.S. Department of Education rules, UCO graduate certificate programs lead to vocational outcomes for the students enrolled in them, and, therefore, students in those programs can become eligible for federal financial aid. Certificates and degrees leading to terminal degrees and thus to employability in education fields are among those with outcomes considered to be vocational.

Applying for and Completing Graduate Certificates

- Certificates may be earned after completion of a bachelor's degree, during and/or as a part of a graduate degree, or after completion of a graduate degree.
- Both embedded and stand-alone certificates may be earned without completing a graduate degree.
- Because graduate certificates are their own programs and have separate major codes, students must apply to certificate programs separately from degree programs even if the certificate is embedded. The Graduate College strongly recommends that applicants apply to embedded certificates at the same time that they apply to the graduate degree program in which they are embedded.
- Successful completion of a graduate certificate results in recognition of the certificate on the official transcript.
- If students earn a graduate certificate and a graduate degree at the same time, then they will pay only one graduation fee if they request that the certificate be recognized when they apply for graduation. If students earn a certificate separately, either before or after completion of a degree, then they will pay to have it recognized separately.

Credit Hour and Grade Requirements

- Graduate certificates require a minimum of 12 credit hours.
- Graduate certificates allow no grade below a "C" and no more than one grade of "C".

- Certificate hours may apply to only one certificate program.
- Graduate certificate students must earn at least 50% of their certificate's total credit hours in residence at UCO facilities or through UCO off-site or online instruction approved by HLC and OSRHE.
- UCO graduate programs must include the requirements for their embedded certificates on their degree "Plan of Study" form.
- UCO graduate certificate programs may establish more rigorous requirements.

Prerequisites for Graduate Certificate Courses

UCO graduate certificate programs embedded within degree programs require the same undergraduate or graduate prerequisite courses as required for their degrees. Prerequisite hours cannot count within the minimum hours required for certificate or degree completion. The prerequisites, course requirements, and GPAs required to complete certificates can be found on the particular certificate program sheets located in this catalog.

Transferring and Double Counting Certificate Credit

Double Counting Credit in a UCO Certificate and a UCO Graduate Degree

All courses completed as part of a UCO graduate certificate may be applied to a UCO graduate degree program provided that the courses are listed on both the certificate program sheet and the graduate degree sheet and provided that the courses have not expired.

Transferring Credit from a Non-UCO Graduate Certificate to a UCO Graduate Degree

- If students have been awarded a graduate certificate from another university, then no courses earned as part of the graduate certificate may be applied to a UCO graduate certificate or graduate degree.
- If students started but did not complete a graduate certificate at another university, then a maximum of 10 credit hours earned as part of the graduate certificate may transfer to a UCO graduate degree program at the discretion of the graduate program advisor provided that the hours have not expired. More than 10 hours may transfer only if UCO has a Memorandum of Understanding and/or a Transfer Agreement with the sending institution or its agents. No course with a grade below a B- may be transferred.

Admission to Graduate Studies

Transferring Credit from a Non-UCO Graduate Certificate to a UCO Graduate Certificate

Students who wish to transfer credit from a started but not completed non-UCO graduate certificate to a UCO graduate certificate are limited to transferring no more than one third of the total number of hours of the UCO graduate certificate up to a maximum of 10 hours, provided that the hours have not expired. Students should consult with the appropriate graduate certificate advisor about transfer credit eligibility.

Program/Degree	Overall GPA	Last 60 hrs GPA
Non-Degree-Seeking	2.50	or 2.75
College of Business		
Business Administration, M.B.A.	2.75	
Human Resources Mgmt., M.B.A.	2.75	
Managing Analytics, M.B.A.	2.75	
Professional M.B.A., M.B.A.	2.75	
Sales Leadership, M.B.A.	2.75	
Business Analytics, M.S.	2.75	
Finance, M.S.	2.75	or 2.75
College of Education and Professional Studies		
Athletic Training, M.A.T.	2.75	or 2.75
Bilingual Ed./TESOL, M.Ed.	2.75	or 2.75
Behavior Analysis, M.S.	2.75	or 2.75
Counseling Psychology, M.A.	3.00	or 3.00
Curriculum and Instruction, M.Ed.	2.75	or 2.75
Teaching & Learning PK-6, M.Ed.	2.75	or 2.75
Early Childhood Education, M.Ed.	2.75	or 2.75
Educational Leadership, M.Ed.	2.75	or 2.75
Family & Child Studies		
Family Science, M.S.	2.75	or 3.00
Infant/Child Specialist, M.S.	2.75	or 3.00
Marriage & Fam. Therapy, M.S.	2.75	or 3.00
Library Media Education, M.Ed.	3.00	or 3.00
Nutrition & Food Science, M.S.	2.75	or 2.75
Psychology		
Experimental, M.S.	2.75	or 3.00
Forensic Psychology, M.S.	2.75	or 3.00
General, M.S.	2.75	or 3.00
Public Health, M.P.H.	2.75	or 2.75
Reading, M.Ed.	2.75	or 2.75
School Counseling, M.Ed.	2.75	or 3.00
School & Prof. Counseling, M.Ed.	3.00	or 3.00
School Psychology, Ed.S.	3.00	or 3.00
Secondary Education, M.Ed.	2.75	or 2.75
Special Education		
Mild/Moderate, M.Ed.	2.75	or 2.75
Severe/Profound, M.Ed.	2.75	or 2.75
Speech-Language Pathology, M.S.	2.75	or 3.00
Talent Dev. & Workplace Learning		
Talent Development, M.Ed.	2.75	or 2.75
Wellness Management		
Exercise Science, M.S.	2.75	or 2.75
College of Fine Arts and Design		
Design, M.F.A.	2.50	or 2.50
Illustration, M.F.A.	2.50	or 2.50
Jazz Studies, M.M.	2.50	or 2.75
Music	2.50	or 2.75
Collaborative Piano, M.M.	2.50	or 2.75
Composition, M.M.	2.50	or 2.75
Conducting, M.M.	2.50	or 2.75
Music Education, M.M.	2.50	or 2.75
Musical Theatre, M.M.	2.50	or 2.75
Pedagogy, M.M.	2.50	or 2.75

Program/Degree	Overall GPA	Last 60 hrs GPA
Performance, M.M.	2.50	or 2.75
College of Liberal Arts		
Addictions Counseling, M.A.	2.75	or 3.00
Composition and Rhetoric, M.A.	3.00	or 3.00
Creative Writing, M.A.	3.00	or 3.00
Crime Intelligence Analysis, M.A.	2.75	or 3.00
Criminal Justice Mgmt. & Admin., M.A.	2.75	or 3.00
History, M.A.	2.75	or 3.00
Liberal Studies, M.A.	2.75	or 3.00
Literature, M.A.	3.00	or 3.00
Museum Studies, M.A.	2.75	or 3.00
Political Science, M.A.	2.75	or 3.00
Political Science - Intnat'l. Affairs, M.A.	2.75	or 3.00
Public Administration		
Public & Nonprofit Mgmt., M.P.A.	2.75	or 3.00
Urban Management, M.P.A.	2.75	or 3.00
Strategic Communications		
Leadership in Comm., M.A.	2.75	or 3.00
TESL, M.A.	3.00	or 3.00
College of Mathematics and Science		
Applied Math & Comp. Sci., M.S.	3.00	and 3.00
Applied Mathematical Science		
Mathematics, M.S.	3.00	and 3.00
Statistics, M.S.	3.00	and 3.00
Teaching, M.S.	3.00	and 3.00
Biology, M.S.	2.50	and 3.00
Computational Science		
Computational Engineering, P.S.M.	2.75	and 3.00
Computational Mathematics, P.S.M.	2.75	and 3.00
Computer Science, P.S.M.	2.75	and 3.00
Computer Science, M.S.	3.00	or 3.00
Cybersecurity, M.S.	3.00	or 3.00
Data Science, M.S.	3.00	or 3.00
Engineering	2.75	and 3.00
Biomedical Engineering, M.S.	2.75	and 3.00
Electrical Engineering, M.S.	2.75	and 3.00
Engineering Physics, M.S.	2.75	and 3.00
Mechanical Engineering, M.S.	2.75	and 3.00
Nursing, M.S.	3.00	or 3.00
Forensic Science Institute		
Forensic Science,		
Chemistry, M.S.	3.00	
Digital Forensics, M.S.	3.00	
General, M.S.	3.00	
Molecular Biology, M.S.	3.00	
Forensic Science, D.Sc.	3.25*	

*The minimum overall GPA for the Forensic Science, D.Sc. program is 3.25 in a **graduate** degree program.

ACADEMIC REGULATIONS AND GRADUATE REQUIREMENTS



UNIVERSITY OF CENTRAL OKLAHOMA
**Jackson College of
Graduate Studies**

Academic Regulations

Catalogs of Record and Degree Requirements

UCO admits students under the admission requirements of the Graduate Catalog in effect on the date of their admission approval. UCO, however, requires students to meet the graduate degree requirements in effect at the time of a graduate student's first day of enrollment. These requirements will remain in effect for six years. In no case shall the University of Central Oklahoma be obligated to make required courses or activities available for more than six years. During continuous enrollment, individual plans of study, once approved, remain in force regardless of succeeding changes in degree programs unless the Graduate Dean, on the advice of the graduate advisor, grants a substitution for a particular course or courses. Students who have not enrolled for one year or longer must meet the admission standards in force on the date of the approval of their readmission application. As in the case of new students, UCO requires readmitted students to meet the graduate degree requirements in effect at the time of the students' first day of reenrollment.

Types of Graduate Courses

Traditional Courses

A traditional course is a 16-week class conducted in a classroom setting where the instructor meets face-to-face with the students. The course may have lectures, discussions, activities, or demonstrations with or without web requirement.

Intersession

An intersession course is one offered in the time period between the end of one term and the start of another. Students may take a maximum of 5 credit hours per intersession.

Online and Hybrid Courses

Beyond traditional in-person classroom courses, graduate courses at UCO may be delivered in a variety of online formats, including but not limited to asynchronous online, hybrid, Interactive Video Education (IVE), and self-paced online courses (SPOC). The delivery method of graduate courses is listed on each term's class schedule. UCO accepts transfer credit for courses delivered in these formats at other universities provided that they meet the criteria for transfer credit outlined in this catalog. Students taking UCO online or hybrid courses earn residential credit. Students may be charged online course fees when enrolling in online courses.

Common Types of Online/Hybrid Courses

Asynchronous Online Courses – Asynchronous online courses are conducted entirely online and have no live component. They can be offered in 16-week, 8-week, or shorter blocks at the discretion of the departments/schools/institutes offering them.

Hybrid Online Courses – Hybrid courses have both an online and an in-person component. The in-person class meetings will be listed on the class schedule each term, and the rest of the course is conducted online asynchronously.

Interactive Video Education Courses (IVE) – IVE courses are a type of synchronous online course in which class sessions are broadcast live via the internet and that allow students to interact with the professor and class via the student's computer microphone and camera. Students may attend either in-person or remotely. Students enrolled in the online section of an IVE course pay online course fees.

Self-Paced Online Courses (SPOC) – SPOC courses are asynchronous online courses that students complete at their own pace within a prescribed timeframe. Rather than meeting specific due dates, students work at their own pace and must only complete the coursework by the course end date. SPOC courses are available approximately every two weeks throughout the academic year.

Self-Paced Online Course Admission

Self-Paced Online Courses (SPOCs) are available in six- and eight-week blocks throughout each semester. A student wishing to earn transcribed graduate credit must be formally admitted to UCO prior to enrollment in the course. Students are encouraged to consult with an academic advisor before enrolling to ensure that credit will apply. Visit the Academic Advisement website at <https://www.uco.edu/admissions-aid/advisement/> for more information.

In SPOCs, students work independently under the supervision of a UCO faculty member and submit coursework at their own pace. Courses completed count as credit hours toward a degree at UCO. SPOCs are considered correspondence courses. A maximum of 6 hours of SPOC/ correspondence credit may be applied towards a UCO degree. It is recommended a student enroll in no more than two courses at a time.

A student must submit all required course assignments, including the final exam, no later than the final date of the course. The time it takes to complete the course is dependent on many factors such as grading timelines, university holidays, and course-specific requirements and activities. Given the flexible nature of self-paced online courses, no guarantees are made within this timeframe on the exact length of time in which a course can be completed. No SPOC can be completed in less than 30 calendar days from the date of enrollment.

Students may drop an eight week SPOC until the first Sunday after a block begins with a full refund and until the sixth Thursday after the block begins to withdraw with a 'W' on their transcript. Six week SPOCs may be dropped until

Academic Regulations and Graduate Requirements

the first Thursday after the block begins with a full refund and until the fourth Monday after the class begins with a 'W' on the transcript.

Upon completion of a SPOC, letter grades earned will be posted to an official UCO transcript and marked with an asterisk to indicate the course was correspondence. If a SPOC is not completed by the course end date, a grade will be determined by the course instructor based on the work completed through the final date.

SPOCs adhere 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.

All standard graduate admission rules apply to them.

Categories of Graduate Credit

Graduate Credit from Graduate Courses

Students granted regular admission to the Jackson College of Graduate Studies at the University of Central Oklahoma may enroll in graduate courses for which they have completed either the prerequisites or obtained the appropriate instructor or departmental permissions. Students should focus on courses that satisfy degree requirements.

Graduate-level courses will not count toward graduate degree requirements if the student previously earned undergraduate credit for the course. Students should work with their program advisors to find suitable course substitutions.

Graduate Credit Earned While Still an Undergraduate (Accelerated Degree Pathway)

Juniors at UCO may apply to an accelerated degree pathway. Acceptance for Accelerated Degree Pathways is subject to the following minimal criteria. Departments and programs may have more strict criteria.

Qualifications:

1. Current UCO undergraduate students in the last semester of their junior year, soon to be entering senior year (within 30 hours of graduation). Exceptional juniors who are not within 30 hours of graduation may be considered with a letter of support from a UCO faculty member.
2. As a graduate transfer student, transfer credit to UCO from another institution.

Applying:

1. Junior undergraduate UCO students interested in an Accelerated Degree Pathway shall submit the application materials for the Accelerated Degree Pathway. Program application materials may include items such as: official updated UCO transcript, letters of recommendation, written statement of intent, writing sample, etc. Applicants should confirm the needed materials prior to applying.
2. Department/program Accelerated Degree Pathway application deadlines (if applicable) will be listed on the Graduate College website and/or graduate program degree sheet.
3. The department/program will notify the Graduate College of the program's recommendation. If accepted, it is the

responsibility of the accepted student to complete the graduate admissions application.

Enrollment:

1. Accepted Accelerated Degree Pathway students may take up to twelve (12) graduate credit hours as determined by their program. These twelve (12) graduate credit hours taken will count as credit on both the undergraduate and graduate transcripts of the student upon completion of the undergraduate degree.
2. Accelerated Degree Pathway students will be held to both the undergraduate-level and graduate-level academic standards as outlined by the university undergraduate and graduate catalogs. No grade below "C" is acceptable for graduate credit and no more than six semester hours of "C" shall be applied toward the degree.

Graduate Credit Earned While Still an Undergraduate (Mixed Enrollment)

Qualified undergraduate seniors who seek to enroll in master's-level coursework may do so by submitting a UCO Graduate Studies Mixed Enrollment Packet. Approved students may enroll in a maximum of 12 graduate credit hours before receiving their bachelor's degree. Continuous enrollment in graduate courses is not required. Students may only take these hours during their last two undergraduate semesters; however, if the bachelor's degree is not posted within the first 12 graduate hours taken, the student will not be allowed to enroll in future graduate courses. Students seeking mixed enrollment must meet the following criteria:

1. An undergraduate GPA of 3.00 or higher.
2. Enrollment in no more than 16 total credit hours per fall or spring semester or 12 hours in the summer. The maximum number of graduate credit hours in a fall or spring semester is 10 credit hours. The maximum number of graduate hours during summer term is 8 credit hours.
3. Mixed enrollment students may not count graduate courses for both graduate and undergraduate credit. An Accelerated Degree Pathway (ADP) is the only way to double count graduate courses in both the undergraduate and graduate programs.
4. Only two semesters (counting either or both summer terms as one semester) of a mixed enrollment are allowed until the bachelor's degree is granted.

Seniors at other universities who plan to go to graduate school at UCO are eligible for mixed enrollment provided that they are within 30 hours of undergraduate graduation at their home institution and meet the criteria listed above. Students from other institutions who seek graduate mixed enrollment will be asked to provide a letter of good standing from their home institution's registrar that indicates the proposed undergraduate graduation date, grade point average, and prospective degree/major.

Academic Regulations and Graduate Requirements

Transfer Credit

Students may not transfer in credit for capstone courses, program projects, internships, theses, or similar non-classroom, summary, or application requirements. These requirements must be met through UCO. A maximum of 10 (ten) semester hours of graduate credit from an appropriately regionally-accredited, degree-granting institution may be transferred to a graduate degree program at the University of Central Oklahoma, unless UCO has a Memorandum of Understanding and/or a Transfer Agreement with the sending institution or its agents. These 10 hours must carry grades of "B-" or higher, must apply to the student's UCO program and must appear on a UCO Plan of Study. Courses must be approved by the graduate program advisor and the Dean of the Jackson College of Graduate Studies. Transfer courses are approved or disapproved at the discretion of the graduate program advisor and Graduate College Dean.

Some programs require that a transfer student present a letter to the graduate program advisor, prior to enrollment, indicating that the student is in good academic standing with his/her former institutions.

If the courses have been used to satisfy degree requirements at other universities, they cannot count toward degrees at UCO, unless UCO has a Memorandum of Understanding and/or a Transfer Agreement signed or approved by the Graduate College Dean with the sending institution or its agents providing for an exception to this rule. Only those courses approved by graduate program advisors for credit toward UCO degrees will count toward GPA calculations. All provisions for transfer to UCO are subject to modifications in cases where UCO has a Memorandum of Understanding and/or a Transfer Agreement with the sending institution or its agents providing exceptions to the transfer rules. Limits imposed in this catalog under "Degree Time Limit" apply equally to credits earned at UCO and to transfer credits.

Internship Credit

Internship credit may not exceed 8 credit hours.

Credit for In-Service Training

In-service courses will be counted toward a degree only when offered through a regionally-accredited institution of higher education and listed on a certified transcript from that institution. Such credit is subject to the transfer credit regulations above.

Workshop Credit

No more than six hours may be earned by the participation in workshops. No more than three hours may be earned by participation in the Oklahoma Scholar-Leadership Enrichment Program (OSLEP), 2007-2009. Graduate program advisors must approve all hours earned through workshops.

Auditing Courses for No Credit

On a space-available basis, students may audit graduate courses if they obtain written permission from the instructors. The instructors of audited courses are not obligated to grade or evaluate the course work or performance of auditing students.

Students receive no credit for audited classes. These courses neither meet degree requirements nor count toward the GPA. Fees are the same for audited and credit courses. Students may not drop audited courses and subsequently pick them up for credit.

Extra-institutional Examinations

Extra-institutional examinations may not be taken as graduate credit.

Credit for Individual Study

Graduate credit may be earned through Individual Study. Students should consult with their program advisors if they are interested in pursuing Individual Study courses. A student is limited to 12 hours of Individual Study with no more than 4 hours in any one Individual Study course, as indicated by the course title. Graduate program advisors may petition the JCGS Dean to allow individual study courses to go beyond 4 hours. Additionally, graduate program advisors may petition the JCGS Dean to allow students to go beyond 12 hours of individual study in extraordinary circumstances.

Prior Learning Credit

The University of Central Oklahoma (UCO) provides students with opportunities to receive graduate credit for knowledge and achievements gained through non-academic, prior learning experiences, such as military service, professional trainings, or other relevant work experience. Students may be granted a maximum of six (6) graduate credit hours for prior learning experiences through national standardized tests, departmental exams, portfolio assessment, and/or other departmentally-approved assessments subject to Regents' policy.

Students must be enrolled or eligible to enroll to have prior learning considered for graduate credit. If prior learning credit is approved, then it will be applied after students successfully complete twelve (12) hours of graduate credit at UCO. Any credit awarded for prior learning experiences will count toward the maximum of ten (10) hours of transfer credit allowed. Prior learning credit, once evaluated and approved, will appear on students' transcripts as a neutral grade of "P" or "pass" and will not figure into their grade point averages.

Academic departments and programs are responsible for conducting prior learning assessments or approving existing prior learning assessments relevant to their degree programs. Departments have discretion to determine "passing" and "not passing" grading criteria. As per Regents' Policy 3.16.3, any assessments created or adopted must be valid, reliable, and replicable to a degree that external evaluators would arrive at the same scores as the faculty conducting the assessments. Students taking departmental exams may not test out of a course in which they are currently enrolled. A failed exam may not be repeated, and a failed portfolio may not be resubmitted.

Students are advised that some graduate programs may not grant credit for prior learning, and students are responsible for any costs associated with evaluating prior learning for credit even if credit is not granted. Prior learning credit cannot count towards non-transcripted badges, micro-credentials, or

Academic Regulations and Graduate Requirements

graduate certificates, and prior learning credit does not count as credit taken in residence. Furthermore, a prior learning credit experience transcribed at the graduate level may not be awarded for both undergraduate and graduate credit, unless the corresponding graduate courses are part of an approved Accelerated Degree Pathway (ADP). Direct instruction or coursework from technology centers shall not be awarded credit through this policy.

To learn more about the process for having prior learning assessed for graduate credit, please contact the Jackson College of Graduate Studies at 405-974-3341 or gradcoll@uco.edu. For questions related to how a specific program assesses prior learning for graduate credit, please reach out to the graduate program advisor listed on the degree sheet for the relevant program.

Enrollment Regulations

Enrollment Requirements

All students, except mixed enrolled undergraduate students, must be admitted before the student enrolls in a graduate course. Degree-seeking students must also be accepted by their programs before enrolling.

Enrollment Periods

Enrollment at the University of Central Oklahoma begins in April for the Summer and Fall Semester, and in November for the Spring Semester.

Enrollment Status

A full-time graduate student in each term is a student who has been admitted to the Jackson College of Graduate Studies and is enrolled in at least nine credit hours in a fall or spring semester or at least five hours in the summer sessions. In each term, the courses must be on the student's Plan of Study or approved by the advisor as a variation from the student's plan.

Enrollment Status and Assistantships

Full-time graduate students with teaching assistantships, research assistantships, or graduate assistantships (a graduate assistantship is a graduate intern employed in a non-academic department) must enroll in at least five graduate hours, except in their final semester when full-time graduate students working as TAs, RAs, or GAs may take a minimum of three hours. The summer minimum for TAs, RAs, and GAs is three graduate hours, or a commitment to enrollment as a full-time graduate student in the fall.

Enrollment Status and Financial Aid

Enrolling in fewer than nine hours in any fall, spring, or summer term even if receiving a teaching assistantship, research assistantship or graduate assistantship may affect a student's eligibility for financial aid. Students should direct questions about their own financial aid to the Financial Aid Office.

Student Status	Fall FT Minimum Hours	Spring FT Minimum Hours	Summer FT Minimum Hours	Last Sem. FT Minimum Hours
Grad Student w/o TA, RA, or GA	9	9	5	No Minimum
Grad Student with TA, RA, or GA	5	5	3	3
Grad Student with Financial Aid	9	9	6	9

Advisement

The graduate program advisors for graduate degree programs advise students on enrollments and program requirements. After admission, a student meets with his/her graduate program advisor to develop his/her individual plan of study. It is important that the student work closely with his/her advisor to ensure that all program requirements are met.

Graduate program advisors are not always on campus during semester breaks. Students should make appointments to ensure their availability.

Course-Load Limits

Without advance written approval, graduate students may enroll in no more than 12 graduate hours during the fall or spring semester (16 weeks) or 9 hours during the summer. With written approval from the graduate dean, a student may enroll in 15 graduate hours during spring or fall semesters or 12 graduate hours during the summer term. Overload permission forms are available in the Jackson College of Graduate Studies. Traditional courses, workshops, intersessions, institutes, and course work taken electronically or at other institutions are included in this total. Up to five hours of intersession credit are allowed immediately following each semester. Graduate enrollments above maximums will not be applied toward a master's degree at the University of Central Oklahoma.

Students may enroll in sixteen (16) or fewer hours of mixed-enrollment and accelerated degree pathway (graduate and undergraduate) credits in a regular semester, including no more than 10 hours of graduate credit. The maximum number of mixed-enrollment in the summer is 12 hours with 8 of those hours in graduate courses.

Graduate students on academic probation may only enroll for a maximum of 10 (ten) graduate hours in the fall and spring and 6 (six) graduate hours in the summer.

Changing Programs

Students who wish to change from one graduate program to another must meet all admission requirements for the new degree program, meet with their new graduate program advisor to complete the Graduate Program Change Request form (available at <https://www.uco.edu/graduate/files/graduate-program-change.pdf>), and submit the request along with a formal plan of study for their new program, to the Jackson College of Graduate Studies. Students must meet

Academic Regulations and Graduate Requirements

all admission requirements for their new programs, including those involving the undergraduate and graduate GPAs.

Adds, Drops and Withdrawals

Adds

Students may add classes anytime before the end of the first week of classes. Please refer to the Class Schedule online under Web Registration Deadlines for specific deadline dates at: <https://www3.uco.edu/registrar/sched/>

Drops

Pre-Semester Drops: Students may drop a class before the first day of the semester either at the Enrollment Management Office or online. No records of courses dropped before the start of the semester will appear on transcripts. There are no financial penalties for such drops.

Early Semester Drops: As long as they do not withdraw from all classes, students may drop classes before the end of the second week of the fall or spring semesters by completing the appropriate forms either at the Enrollment Management Office or online. No record of courses will show on transcripts. There are no financial penalties for such drops.

Late Semester Drops with Permission: As long as the student does not withdraw from all classes, students may under unusual circumstances, as defined by the university, drop classes after the end of the second week of classes of the fall and spring semesters. Examples of unusual circumstances include emergencies, hospitalization, military deployments, and moving to out-of-state jobs. Poor academic performance or lack of deadline compliance does not merit approval. Requests to drop in this manner require documentation, instructor confirmation of relevant information, and permission of the Director of Admissions and Records. All approved drops show on transcripts as either "withdraw" if the student is passing the course or "F" if not passing. The student is responsible for full payment of tuition and fees.

Students who abandon their studies without formally dropping their courses will receive grades of "F."

Note: A late drop can have a significant negative impact on financial aid.

Please refer to the Class Schedule online under Web Registration Deadlines for specific deadline dates.

Withdrawals from All Courses

Pre-Semester Withdrawals: Students may withdraw from all of their classes before the first day of the semester at the Enrollment Management Office. No records of courses withdrawn before the start of the semester will appear on transcripts. There are no financial penalties for such withdrawals.

Early Semester Withdrawals. Students may withdraw from all classes before the end of the second week of classes of the fall and spring semesters by completing the appropriate forms at the Enrollment Management Office. No record of courses will show on transcripts. There are no financial penalties for such withdrawals. Withdrawals are not official until processed

by Enrollment Services.

Late Withdrawals with Permission: Under unusual circumstances, as defined by the university, students may withdraw from all classes after the end of the second week of classes of fall and spring semesters. Examples of unusual circumstances include emergencies, hospitalization, and moving to out-of-state jobs. Poor academic performance or lack of deadline compliance does not merit approval. Requests to withdraw in this manner require documentation, instructor confirmation of good standing, and permission of the Director of Admissions and Records. All approved withdrawals show on transcripts as either "Withdraw" if the student is passing the course or "F's" if not passing. Withdrawals are not official until processed by Enrollment Services. Students who abandon their studies without formally withdrawing will receive grades of "F." The student is responsible for full payment of tuition and fees.

Note: A late withdrawal can have a significant negative impact on financial aid.

Summer Semester Drops and Withdrawals:

1. Regular Summer Semester (8 weeks) - financial penalties will apply after the first week of class.
2. Block I and Block II Semester (4 weeks) - financial penalties will apply after the first three days of class.

Please refer to the Class Schedule online under Web Registration Deadlines for specific deadline dates at:

<https://www.uco.edu/admissions-aid/enrollment-services/dates-deadlines-summer>

Administrative Withdrawals from Courses for Non-Attendance:

The university may withdraw students for failure to attend between the end of the second week and the end of the eleventh week of class. The university charges students who withdraw in this manner an amount equal to 25 percent of the courses' original costs for tuition and fees. Withdrawals are not official until processed by Enrollment Services.

Grading System

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		

Academic Regulations and Graduate Requirements

*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.

Note: For the purpose of calculating grade point average (GPA) UCO converts grades listed on the transcripts of other institutions to UCO's 4.0 grading scale. UCO does not recognize "plus" or "minus" grades, so, for example, transferred grades of B+ or B- would be recorded at UCO as B with a point value of 3.0.

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 extra institutional credits.		
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, the instructor may grant exceptions. <i>"I" grades not changed by the instructor to a letter grade, within one year, will remain as a permanent "I" and not contribute to the student's GPA. "F" grades cannot be changed to "I" grades.</i>		
W	Withdrawal - given when a student initiates a withdrawal by the established procedures and deadlines.		
N	Not Reported - given when an instructor fails to submit grades by the established deadline. AUDIT—given when students formally audit classes. AUD-U—given when a student enrolled for audit but did not meet the instructor's attendance and/or participation requirements for auditors.		
X	Thesis in Progress		

Grade Appeals

In cases where graduate students wish to appeal a final grade, they must follow the Academic Appeal Policy located online under the UCO Academic Affairs Website at: [https://www.uco.edu/academic-affairs/academics/academic-](https://www.uco.edu/academic-affairs/academics/academic-appeals)

[grade-appeals.](#)

Prerequisites and 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. Many courses have more than one prerequisite.

Corequisites are complementary courses which require concurrent enrollment and which together comprise a body of knowledge or skills for the student.

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.

Meeting prerequisites and corequisites is the responsibility of the student. (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 who pre-enroll in a course which requires a prerequisite or corequisite in which the student is currently enrolled may be dropped from that course by the university if they subsequently fail or drop the prerequisite/corequisite course.

Repeating Courses

Students may repeat up to three graduate courses in which they earned grades of "B" or lower. A graduate course may be repeated a maximum of one time (excluding withdrawals) unless the student's program specifically designates it as a repeatable course. When a course is repeated, regardless of the grade earned, the original and subsequent grade(s) is/are included on the permanent record. The credit for the course, however, is counted only once toward satisfying graduation credit requirements. The grade which will be used to clear students for graduate requirements is the highest grade given for course credit. Courses which are no longer offered cannot be repeated. Cross-listed courses appearing under more than one course prefix are considered the same course for repeat counting. JCGS requires a cumulative grade-point average of 3.00 for "B," or better in all graduate work.

The University offers a number of courses that use the same course prefix and number but have variable content from semester to semester. Students receive credit for learning new content so the grade and semester hours earned each time count toward the student's grade point average (GPA), and total credits. These courses are referred to as "repeatable courses" or "courses that are repeatable for credit," as listed in their official catalog descriptions. Examples for repeatable courses include, but are not limited to, applied music, independent study, internship, thesis research, and variable topics courses.

Academic Regulations and Graduate Requirements

Academic Probation and Suspension

Graduate students, regardless of admission status, must maintain an overall graduate grade point average of at least 3.00 in master's and specialist programs or 3.25 in doctoral programs to remain in "good academic standing" with the University and the Jackson College of Graduate Studies.

A. Academic Probation

1. A student will be placed on academic probation if:
 - a. The student has completed nine graduate hours; and
 - b. The student's cumulative graduate grade point average (GPA) falls below 3.00 in a master's or specialist program or below 3.25 in a doctoral program.
2. While a student is on academic probation, the student may not enroll in more than ten (10) graduate credit hours in regular semesters and six (6) graduate credit hours in the summer semester.

B. Academic Suspension

1. A student will be placed on academic suspension if:
 - a. the student's cumulative graduate GPA falls below 2.00 in any semester; or
 - b. the student fails to achieve a minimum graduate GPA of 3.00 in a master's or specialist program or 3.25 in a doctoral program in any semester while on probation.
2. A suspended student may not take graduate courses for at least 16 weeks while awaiting adjudication from the Graduate Council.

C. Readmission After Suspension

1. A student who wishes to be considered for readmission must submit a written appeal for readmission to the dean of the Jackson College of Graduate Studies within 30 days of issuance of their suspension. This is the only opportunity for the student to provide information relating to the substance of his/her appeal, thus, the student must include all information which he/she wants to have considered. The Admissions and Retention Committee of the Graduate Council will review the appeal and recommend readmission or dismissal to the Graduate Council.
2. The graduate dean will notify the student of the Council's decision regarding dismissal or readmission.
3. If the Graduate Council approves readmission, the student must fill out a new application to graduate college, pay the \$60 non-refundable application fee, and will continue on academic probation. The student must maintain a graduate GPA of 3.00 in master's and specialist programs or 3.25 in doctoral programs each semester.
4. Failure to achieve minimum GPA requirements during any semester after readmission will result in immediate dismissal from graduate studies at UCO with no reprieve for further graduate work.

5. Within 30 days of issuance of the notification, the student may appeal the decision in writing to the graduate dean but only on a claim that a university official had failed to follow proper procedures or laws. The dean will not reevaluate the facts of the student's case, but if the dean finds that procedural errors may have occurred, the dean will resubmit the student's appeal to the Admissions and Retention Committee which will recommend readmission or dismissal to the Graduate Council. The Council's decision would then be final.
6. Department chairs and graduate advisors can dismiss students from their programs for failing to meet program standards, but only JCGS can suspend students from graduate studies. JCGS can allow students to transfer to other graduate programs if the students are in good standing with JCGS' rules, and the new program is willing to accept them.

Honors and Awards

Graduation with Honors

The University of Central Oklahoma grants degrees "with honors" to students who complete the master's degree with grade-point averages of 4.00 for all graduate work attempted. Students who complete two graduate degrees are allowed to earn honors for one degree without regard for the student GPA in the second degree.

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.

President's Honor Roll

Graduate students who earn all "A's" in a Spring or Fall semester in which they complete at least nine hours of residence graduate work, are listed on the President's Honor Roll.

The E.C. Hall Graduate Scholar Award

During the fall and spring semesters, each college and the Forensic Science Institute will, using their own criteria, select an E.C. Hall Scholar, following the procedures below. December masters' graduates will be eligible for the spring semester award. May and summer masters' graduates will be eligible for the fall award.

Early in the term, JCGS will supply each of the colleges and FSI with a list of those who graduated in the appropriate time period with a 4.0 GPA. Each College and FSI will review their list, using their own criteria, and select an E. C. Hall Scholar from that list, and simultaneously nominate that person to the Jackson College of Graduate Studies for the E. C. Hall Outstanding Graduate Student Award. The Graduate College will then notify each of these Scholars of their nomination and direct them to submit a two-page narrative showing their scholarly, creative, and/or professional achievements during their time as UCO graduate students.

From among these six college-level E.C. Hall Scholars,

Academic Regulations and Graduate Requirements

the Admissions and Retention Committee, together with the associate graduate dean, will select the E.C. Hall Outstanding Graduate Student, based on the students' significant scholarly, creative, and/or professional achievements.

Exceptions and Waivers

Exceptions or waivers to any graduate studies requirement must be formally requested in writing and approved by the graduate program advisor, the Chair of the Department, Dean of the College, and the Graduate Dean.

degree check will ascertain if all requirements have been met. This process will normally take one to four weeks depending on workload after which the student will be notified in writing of the results of the degree check. Call the Graduate Program Specialist at 974-3417 with any questions.

If a student fails to complete requirements during the semester for which he or she applied for graduation, the student must contact the JCGS to have his or her application rolled forward to a subsequent term. There is an additional fee for such changes (except for change from Spring to Summer of the same calendar year).

Commencement Ceremonies

Recipients of master's degrees are strongly encouraged to participate in the University's formal commencement ceremonies, which are held at the end of fall and spring semesters. Students who graduate at the end of the summer term are eligible to participate in the previous spring ceremony. The dates for commencement exercises are announced on campus well in advance so that students may order invitations and invite friends and family.

Several weeks in advance of the ceremony specific information regarding academic regalia (caps & gowns) and the particulars of the exercises (times, place, marching order, etc.) will be provided to students who have applied for graduation.

Diplomas

Students who complete degree requirements will receive diplomas by mail approximately six weeks following the last day of the semester in which they graduated.

Requirements for All Master's Degrees

Student Responsibility for Requirements

The final responsibility for knowing and meeting the requirements in this catalog, including those of the university, college, department and degree program, and especially those requirements necessary for graduation, lies with the student alone. Faculty and staff can and will advise students, but final responsibility for satisfying all requirements remains with the student.

Program Requirements: Courses and Credit Hours

To graduate, a student must meet the course and total hour requirements specified in the catalog at the time that the student first enrolled in the program. All master's degree programs contain at least 32 graduate hours, and some require more.

In some cases because of transfer-hour calculation, change in course hours at UCO, substitution, or other factors a student may meet a course requirement with a course that carries fewer hours than the one specified in the program curriculum. In such cases the student must obtain credit for additional hours in order to reach the program minimum.

In certain cases as recommended by the student's graduate program advisor, a student who is deficient in certain areas

Graduation Requirements

Formal Application for Graduation

In order to graduate with a master's degree, a student must submit a formal Graduation Application to the Jackson College of Graduate Studies (JCGS) by the deadline established for the term (fall, spring, or summer) that the student intends to graduate.

DEADLINES FOR GRADUATION APPLICATION

Fall Semester Graduation	Sept. 15
Spring Semester Graduation	Feb. 15
Summer Term Graduation	Feb. 15

GRADUATION FEE

There is a non-refundable \$45 graduation fee that must be paid to the Bursar's Office in person (NUC 134) or electronically (see below). There is an additional \$25 fee for processing late applications. Please note, the University will process late applications as time allows, but students who apply late are NOT guaranteed to have their applications fully processed prior to the end of the semester or summer term.

PROCEDURES FOR GRADUATION APPLICATION

- Go to <https://www.uco.edu/graduate/current-students/graduation> and click the "Apply For Graduation" button;
- If you do not have a final plan of study on file with the Graduate College, then attach one to the application;
- Fill out the form and select "Submit." The fee will be charged electronically to the UCO student account.

Once the Graduation Application has been submitted, a final

Academic Regulations and Graduate Requirements

may have additional course work mandated.

Changes in Requirements

To graduate, a student must meet the specific requirements specified in the catalog at the time that the student first enrolled in the program unless either the university or program requirements change before he or she completes all requirements. In that case, the student may choose to meet either the requirements specified in the catalog at the time that the student first enrolled in the program or the requirements in the newest catalog. The student must meet the entire set of requirements in one catalog or the other, not a mixture of requirements from the two catalogs. With the approval of the program's graduate advisor and the graduate dean, however, some requirement substitutions may be allowed. Students whose enrollment is not continuous must meet the requirements in effect at the time of readmission.

Grade Point Average

JCGS requires a cumulative grade-point average of 3.00 or "B", or better in all graduate work. No grade below "C" is acceptable for graduate credit, and no more than six semester hours of "C" shall be applied toward the degree. Grades of "S" and "X" are neutral grades and do not affect the grade point average, but grades of "C", "D" and "F" are included in the calculation of GPAs. Only credits earned within the eight years immediately prior to the student's graduation will count towards their graduation. The overall GPA on the student's transcript will still include all grades and credits earned, including those eight years and older. Please see *Degree Time Limit* below for related information.

Degree Time Limit

Courses leading to a graduate degree/certificate must be completed within eight years from the date of a student's initial enrollment in the program for which they were admitted. No course credit will be applied toward the graduate degree/certificate for work completed more than eight years before the date on which a student's degree is to be conferred. This time limit applies to credit earned at the University of Central Oklahoma as well as credit transferred to UCO from other accredited institutions.

Concurrent and Second Master's Degrees

Double Majors

Graduate students may earn two majors within the same master's program provided that they are accepted into both and meet all requirements for each major. UCO gives to graduate students with double majors one degree and one diploma but lists both majors on the transcript. Both majors must be completed in the same semester. Where identical hours are required for two or more majors, students may count those hours toward each major, provided that the student completes no fewer than 18 separate credit hours in each major, excluding the cross-listed courses. A student

may not submit the same thesis, capstone project, internship, observation experience or other external project to meet the requirements of two different majors.

Double-Major Application Procedure

1. Applicants seeking two majors within the same master's degree submit one application and application fee, just as if they were seeking only one major. In their application, they must clearly specify that they are seeking double majors.
2. Graduate programs may accept the applicants to either or both of the requested majors. Acceptance to one of the majors does not guarantee acceptance for the other.
3. Based in part on program acceptances, the Jackson College of Graduate Studies grants a single admission to the student, applicable to either or both majors.
4. If a student is already pursuing one major in a degree program, and later decides to seek a second major, he or she must file a new Plan of Study to cover both majors.
5. Once the degree is conferred, an additional major cannot be added.

Concurrent Master's Degrees

A student may seek concurrent master's degrees in any two areas of their choosing. To pursue concurrent degrees, the student must be admitted to both programs before 12 credit hours of program work are completed in either program. In the requirements for concurrent degree programs are:

1. Applicants seeking concurrent master's degrees submit two applications and pay two application fees, one for each degree program.
2. All degree requirements, including research tools, foreign languages, comprehensive examination, thesis and deficiencies, must be met for both programs.
3. Up to 20 percent of the total graduate credit hours required for both degrees taken individually may be double counted, e.g. counted as credit for both master's programs.
4. The double-counted courses must be appropriate for each degree.

Second or Subsequent Master's Degrees

A student may seek a second or subsequent master's degree subject to the following additional considerations.

1. Applicants submit separate applications for each subsequent degree program and pay the application fees for each application submitted.
2. Due to Oklahoma State Regents' policy, the subsequent degree cannot be in the same degree program as the first degree even if the options or concentrations are different. In the case of dispute regarding similarity, the JCGS Dean will make the determination.
3. A specific course may not be used to complete the course or hour requirements for more than one degree unless the transfer of these courses to UCO fall under a Memorandum of Understanding and/or Transfer

Academic Regulations and Graduate Requirements

Agreement between UCO and another institution. See “Transfer Credit.”

- The Graduate Program Advisor may waive a research methods course if the student has already taken such a course in another master’s degree program in the same or a related field. Students must still complete the same number of hours required for the subsequent degree program by substituting another course approved by the advisor.

Requirements for Certain Degrees

Comprehensive Exams

Comprehensive exams, required for certain master’s degrees, must be scheduled no later than three weeks before the beginning of the final examination week for the fall and spring semesters and no later than 10 days prior to the beginning of the final examination week for the summer semester.

Continuous Enrollment Required for Thesis or Project

All programs involving a master’s thesis or special project require the student to be in continuous enrollment (fall and spring semesters) in a 5990 course (thesis) or 5980 course (project) until all requirements for the degree are completed.

NOTE: Students must submit their completed thesis and projects to their instructors in a timely manner. If a student submits his or her thesis or project too late for the instructor and/or committee to evaluate it and meet the deadline for submitting grades for that term, the student must enroll in at least one additional hour of thesis credit in the following term even though the thesis or project has been completed and submitted. This will delay the student’s graduation by one semester.

Thesis

Some master’s programs require or allow a thesis. The thesis should conform to discipline-specific standards and provide an original contribution to its academic field. Students completing a thesis must follow the instructions of their thesis committees concerning the development and preparation of their theses. The thesis committee should, however, be open to innovative ways of organizing and presenting the information. Additionally, the thesis must comply with the JCGS and Chambers Library requirements, as explained below.

Guidelines for Thesis Writers

- A graduate student has the primary responsibility for successful completion of his/her degree. A graduate student should be committed to his/her graduate education and should demonstrate this by efforts in the classroom and in research. A graduate student is expected to maintain a high level of professionalism, self-motivation, engagement, scholarly curiosity, and ethical standards.

- A graduate student should be knowledgeable of the policies and requirements of their department, the Graduate

College, and the university, including policies and deadlines governing thesis work. Thesis-related requirements and timelines appear in the “Graduation Requirements” section of the Graduate Catalog.

- In selecting a thesis advisor, a graduate student should work with a faculty member whose scholarly and research interests coincide with those of the student. The student should keep in mind that it is up to the discretion of the faculty member to work on a thesis committee, and therefore the student should comport themselves with courtesy and respect toward the thesis advisor and committee members at all times during the process.

- A graduate student should meet regularly with their thesis advisor and provide updates on their progress. They should meet all deadlines established by the thesis advisor and other committee members.

- A graduate student should work with the thesis advisor to select a thesis committee. Graduate students should approach potential committee members about serving on their committee in a timely manner, no later than the semester before the semester they intend to defend in. The student should meet with the committee members as often as required by committee members and as needed to make steady progress by the student.

- A graduate student working on a thesis is expected to demonstrate the intellectual commitment, initiative in research and writing, and work ethic necessary to carry the project through to completion. They should comport themselves according to the highest standards of academic conduct and professional ethics in their discipline.

- A graduate student should be responsive to the advice of their thesis advisor and open to constructive criticism from their committee. The student should realize that effective theses often require multiple revisions, which can extend the amount of time required to complete the thesis project. The timetable to completion depends upon the thesis advisor’s approval of the thesis for defense.

- A graduate student should comply with all institutional policies, including academic program requirements. At the beginning of the semester in which the student plans to defend the thesis, the student should contact all committee members to apprise them of the pending thesis defense.

- A graduate student should acknowledge primary responsibility to develop a career following the successful completion of a Master’s degree.

Thesis Committee

Students should consult their graduate program advisors early in their master’s programs for requirements regarding thesis committee and thesis preparation.

Once a student’s thesis committee has been formed, the student must submit a signed copy of the Graduate Thesis Committee Form on the JCGS website. Students can obtain the forms from their program department.

Thesis Hours

Academic Regulations and Graduate Requirements

The maximum number of thesis hours which may be applied toward any graduate program is six (6).

Once enrolled in thesis hours, a student must remain continuously enrolled in thesis hours during each fall and spring semester until full completion of all thesis requirements have been met.

Thesis Grading

Thesis hours completed during the development and preparation of a thesis but prior to its final completion will be assigned an "X" grade and will contribute to the "Hours Attempted" and "Hours Earned" sections of the student's transcript. The "X" grade will not, however, contribute to the graduate GPA.

Once the thesis is completed, the thesis committee chair will assign a Passing or Failing grade ("P" or "F"). While a grade of "P" will not contribute to the graduate GPA, an "F" grade will contribute to the overall graduate GPA and will prevent the student from graduating.

Timing of Thesis

Any student who has completed all course work must complete his/her thesis within two academic years (two fall and two spring semesters) beginning with enrollment in the first thesis course. Any exception request to extend beyond two years must be made in writing to the graduate dean.

Public Thesis Defense

A graduate student who submits a thesis must publicly defend his/her thesis with a representative from the Graduate Council and a thesis defense committee present. The Thesis Defense Scheduling Form may be obtained on the JCGS website and should be completed and submitted by the Thesis Committee Chair. The Graduate Council Thesis Defense Form may be obtained on the JCGS website and should be completed by the Graduate Council Representative. JCGS policy requires two weeks to schedule a Graduate Council Representative, and thesis defense scheduling deadlines must be met; these are:

- December 2, 2022 for Fall 2022
- April 28, 2023 for Spring 2023
- July 14, 2023 for Summer 2023.

Abstract

The student is required to prepare an Abstract for faculty use in his/her thesis defense. The intent is to cause the thesis student to verbalize his/her rationale for key research decisions and thus to assist him/her in defending those rationales before his/her committee. The document must include:

1. Statement of the Problem or Issue
2. Brief Summary of the Literature
3. Thesis Statement
4. Statement of the Research Methodology. Examples of Qualitative Analysis, most applicable to studies of small groups, whole populations, or non-repetitive or non-repeatable phenomena include but are not limited to: Case study, participant observation, narrative, biography, focus group, textual and contextual, qualitative theory, philosophical and artistic. Examples of Quantitative Analysis, most applicable to

studies of population samples and to repetitive or repeatable phenomena include but are not limited to: Scientific, survey, quantitative theory, statistical, and predictive.

5. Brief Summary of Findings
6. Confirmation, Modification, or Denial of Thesis
7. Statement of the Significance of the Findings
8. Suggestions for Future Research

A student presenting a thesis in partial fulfillment of the requirements for the Master of Arts degree in English with a major in Creative Writing shall follow an alternative form in preparing his/her Abstract, which must include the following elements:

1. Description of the Form or Genre of the Creative Project
2. Summary of Relevant Creative Work by Other Artists in the Genre of the Creative Project
3. Statement of the Objectives of the Creative Project
4. Identification of Major Creative, Conceptual, or Technical Challenges Posed by the Creative Project
5. Description of Strategies Employed to Meet the Major Creative, Conceptual, or Technical Challenges Posed by the Creative Project
6. Statement of the Significance of the Creative Project and of Its Implications for the Field

Thesis Format Requirements

A candidate completing his/her thesis for his/her master's degree must submit the original title page, signature page, abstract page and summary to the JCGS **no later than the last day of classes** in the same term they plan to graduate. These documents must be on file to graduate. For additional information, contact the Academic Program Specialist at:

Elise Ellis
Academic Programs Specialist
eellis5@uco.edu
405-974-3417

Submission Requirements for Thesis

Following successful public defense of the thesis, students must submit the thesis in both paper and electronic formats. For additional information, visit Chambers Library website at <https://library.uco.edu/services/thesis/> or call Special Collections at 405.974.2882.

1. Paper Submission Process

- a. Each student completing a thesis for the master's degree program must submit two (2) copies of his/her thesis for binding to Archives and Special Collections in the Chambers Library.
- b. The primary responsibility for content, form and style of the thesis rests with the student and the student's thesis committee members. The student is responsible for the complete and accurate collation of the thesis before submitting it to the library for binding.
- c. Both copies of the thesis must be presented with an original signature page signed by all members of the thesis committee, on white 25%-100% cotton or rag paper and not bound or punched.

Academic Regulations and Graduate Requirements

- d. After the thesis returns from the bindery, one copy will be placed in the Archives Thesis Collection for reference only, and the second copy will be forwarded to the academic department which supervised the work. A full text, electronic version of the thesis will be made available through the UCO Chambers Library online catalog.
- e. It takes approximately two months for the binding process to be completed. Students may pick-up their additional copies in the Archives and Special Collections Monday through Friday from 8:30am to 4:30pm.

Thesis Costs	
\$40.00	Cost for binding two hard copies of thesis, paid by cash or check at Archives and Special Collection Department at the Library (2 copies @ \$20 each)
\$40.00	Total Required Costs
Optional Thesis Costs	
\$20.00 paid by check or cash	Cost per copy for additional student-requested copies of Thesis.
\$65.00	Costs to have thesis registered with US Copyright Office (Optional, made with credit card payment on the ProQuest website).
\$5.00	Mailing fee if you wish to have your copies mailed.

2. Electronic Submission Processes

After a successful public defense of the thesis, students must submit one (1) electronic copy of the thesis to:

<https://www.etdadmin.com/main/home?siteId=69>.

The electronic copy must be the same, content and pagination as the paper copy submitted for binding.

Instructions are available at:

<https://www.etdadmin.com/main/home?siteId=69>. For questions regarding the electronic thesis submission process, please contact:

Heather Scheele-Clark
Library Specialist
Chambers Library
hscheele@uco.edu
405-974-2871

For additional information contact the Library's Archives and Special Collections at 405-974-2882 or go to our Website at: <https://library.uco.edu/services/thesis/>.

FINANCIAL AND STUDENT SERVICES INFORMATION



UNIVERSITY OF CENTRAL OKLAHOMA
**Jackson College of
Graduate Studies**

Financial Information

Tuition and Fees for Graduate Courses

Graduate courses at UCO are charged based on a combination of mandatory tuition and fees for all courses plus specific fees which vary by course and the college offering the course. (Graduate students who take undergraduate courses to meet prerequisites or for general preparation pay undergraduate tuition and fees for those courses. See the [undergraduate catalog](#) for details.) See the Registrar Website for the latest detailed information on tuition and fees at:

<https://www.uco.edu/admissions-aid/enrollment-services/>

Estimated Costs for International Students

International graduate students on F-1 visa status should contact the Office of Global Affairs to determine the current cost of attendance estimate including fees, tuition, books, housing, meals, and other living expenses. Visit Nigh University Center, Room 137; call 405-974-2390; e-mail international@uco.edu; or go to oga.uco.edu.

Residence Status

A uniform policy concerning resident status exists for all state-supported institutions of higher education in Oklahoma. Information and a petition to determine residency are available in the Office of Admissions and Records, first floor, Nigh University Center.

Financial Aid for Graduate Students

There are numerous sources of financial aid for UCO graduate students including:

- Teaching Assistantships
- Research Assistantships
- On-Campus Employment including Federal Work-Study
- General Scholarships
- Program-Specific Scholarships
- Veterans and Senior Citizen Programs
- Research Grants

It is the student's personal responsibility to take the initiative to find out about financial aid and scholarships. The Office of Financial Aid (see contact information below) is the best source of information. In addition, the offices of the academic colleges and departments can often make helpful suggestions about scholarship opportunities and sources of financial aid specific to the programs they offer.

On the university web site, students will find a number of privately funded scholarships available to them associated with their specific academic degree. Applications can be downloaded by visiting the following college websites. These websites will carry the latest information and important deadlines.

College of Business, visit:

<https://www.uco.edu/business/current-students/scholarships>

or contact Sarah Gayken at sgayken@uco.edu or 974-5333.

College of Education & Professional Studies, visit:

uco.edu/ceps/student-resources/scholarships/ or

contact Carlie Wellington at cwellington@uco.edu or 974-5105.

College of Liberal Arts, visit:

uco.edu/cla/scholarships or contact Liberal Arts at 974-5540.

College of Fine Arts & Design, visit:

uco.edu/cfad/scholarships or contact Tiffany Bryant at cfadscholarships@uco.edu or 974-3783

College of Mathematics & Science, visit:

uco.edu/cms/scholarships or contact Donna Bass at dbass2@uco.edu or 974-2740

UCO Office for Advancement, visit:

www.centralconnection.org/scholarships or contact Heather Fieth at hfieth@uco.edu or 974-3798.

UCO awards over \$52 million in federal, state, and private aid to more than 9,600 students annually. The University participates in the Federal and State programs for graduate students, Federal Family Education Loan Program (FFEL) and the Federal Work-Study Program (FWS). For information deadlines and forms contact:

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: <https://www.uco.edu/admissions-aid/financial-aid/complete-fafsa>

Teaching and Research Assistantships

Assistantships at UCO are intended to be awarded only to the best students. The requirements to be granted assistantship status are intentionally rigorous and, as a result, the awarding of an assistantship is not always automatic.

For information on Teaching Assistantships, contact the graduate advisor or deans' office over your program. Nearly all teaching assistantships are in the College of Liberal Arts. For information on Research Assistantships, contact the Office of Research and Grants, ADM 216, 974-2526 or visit their website at: <https://www.uco.edu/academic-affairs/office-high-impact-practices/grants-and-money/>

Enrollment Changes and Financial Aid

During the semester, a student may drop a course(s). If federal funds have already been issued to the student or credited to the student's account, the student may be liable for repayment of these funds. Federal aid recipients who completely withdraw after school begins, but prior to

Financial and Student Services Information

completing at least 60% of the semester will have to repay some portion of the federal funds received.

Veterans Assistance Programs

UCO maintains a full-time Veterans Affairs Office. It is 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.

Senior Citizens Programs

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

The 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 this office each term. Please contact this office directly about eligibility requirements.

Student Research, Creative and Scholarly Activities (RCSA) Grants

Research is an inquiry or investigation that makes an original, intellectual, or creative contribution to the discipline. At UCO this definition includes significant faculty mentoring in research, creative, and scholarly activities (RCSA) that have the potential for peer-reviewed dissemination in the form of presentations, publications, creative projects, exhibitions, or performances.

Engaging students in RCSA is one of the academic goals of UCO. RCSA opportunities contribute to the production of well-rounded, better-educated students who will have a greater probability of becoming productive, creative, ethical, and engaged citizens in a post-graduate environment. While UCO encourages and supports RCSA at all levels across the UCO campus, it is especially encouraging and supportive when students are involved. Students of all disciplines can engage in the benefits and excitement of student-focused RCSA.

Some of the initiatives available to graduate students in research, creative and scholarly activities are the **Student RCSA Presentation Grant Program**, which supports up to \$500 of air travel expenses for the presentation of student research, creative and scholarly activities. In addition, students can submit proposals to the **Student RCSA Research Grant program**.

Students who are selected for the **Student RCSA Research Grant program** will receive an award of up to \$500 per semester to support research, creative, or scholarly activities. Awards may be used to support travel to a library, museum,

or field site to collect data, to purchase laboratory or project expendables, equipment, or support travel to a local, regional, or national professional conference to present the findings of the funded project.

Students are eligible to receive funding, under the following conditions:

- Have graduate standing in any field and be enrolled full-time (9 or more credit hours) at UCO for the duration of the award, with the exception of those graduate students who are enrolled in their final semester before graduation. They must enroll in at least 3 credit hours;
- Have a minimum of 3.0 GPA;
- If two students wish to collaborate on the same project, they would be required to split the award (payable at a maximum of \$250/student);
- Each student must have a faculty mentor who is a full-time, tenure-track, or tenured faculty member at UCO; and
- Each student is eligible for only a single award during a given semester, but is eligible to reapply for an award each semester as long as he/she meets all other conditions.

For more information on these programs and other research opportunities available to graduate students, contact the Office of Research and Grants at 974-2526. The office is located in the Administration Building, Room 216. You may also access the OR&G Website at: www.uco.edu/facres/.

Student Services Information

The following services are available to UCO graduate students.

Academic Support Services

Library Services

The Max Chambers Library is dedicated to supporting UCO's graduate programs with books and other reference materials including archives and special collections. Many resources, including full-text journal articles, are available online. All graduate students should learn how to use the UCONNECT system to access library resources online. The library offers InterLibrary service to help students obtain materials not available at UCO. Max Chambers Library is physically accessible to students with mobility disabilities and has collections and technology to assist students who have disabilities that interfere with reading typical library materials.

For details about library services visit in person, call 405-974-2878, or go to library.uco.edu/.

Student Testing Services

Financial and Student Services Information

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. Testing 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: www.uco.edu/testing_services.

Technology Assistance

Call Technology Support: 974-2255; or go online to: www.uco.edu/technology/.

The Office of Information Technology (OIT) 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. OIT comprises Technology Resource Center, Support and Operations, Technology Applications, Enterprise Service Professionals, and Telecommunications departments.

OIT has negotiated reduced pricing for software and hardware available through the UCO Techstore. For more information visit www.uco.edu/techstore.

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 microcomputers utilizing campus standard software, including Internet browsers, UCONNECT, D2L, Microsoft Office, Adobe and SPSS. UCO is a completely wireless campus. For connection settings visit: www.uco.edu/technology/trc/academic-technology

The Language Company - Edmond

As UCO continues to expand globally, The Language Company - Edmond, 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 twelve-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, (405) 341-2125. See the Admission to Graduate Studies section of this catalog for information on English proficiency requirements.

Disability and Rehabilitative 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 Services 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) 974-2549 or visit us on the Web at: www.uco.edu/disability_support/

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.

Residential Accommodations

The University of Central Oklahoma offers unique living environments designed to meet the needs of UCO's diverse student body. To reach them via e-mail use the following address: housing@uco.edu

Student Accountability and Conflict Resolution

The mission of the Office of Student Accountability and Conflict Resolution 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 Office of Student Accountability and Conflict Resolution 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 Office of Student Accountability and Conflict Resolution may develop and restore students and the affected community through a variety of appropriate developmental sanctions and/or programming. The Office of Student Accountability and Conflict Resolution communicates expected standards of behavior through the publication of the Code of Student Conduct.

The Office of Student Accountability and Conflict Resolution also 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

Financial and Student Services Information

Student Support Offices

victimization by a natural disaster. Authentic documentation is required.

For more information about the services and publications of the Office of Student Accountability and Conflict Resolution, contact the Director of Accountability and Conflict Resolution in NUC 323, (405) 974-5380.

Student Support Offices

Alumni Services

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 website at www.uco.edu/alumni or stop by the Evans Hall.

Enrollment and Student Success

The Division of Enrollment and Student Success provides a challenging and supportive community for students by fostering their understanding of self, appreciation of diversity, and commitment to service. These goals are achieved by providing progressive and inclusive programs and services that enhance student learning and well being.

The departments within Enrollment and Student Success offer support for personal enrichment and development of leadership skills. All departments aim to assist students in achieving their personal and academic goals.

The departments reporting to the Vice President for Enrollment and Student Success include:

- Broncho OneStop
- Office of Undergraduate Admissions
- Campus Card Services
- First Year Experience Programs
- Student Success
- Student Support Services
- Undergraduate Academic Advisement
- Enrollment Services/Registrar
- Veteran Higher Education Resource and Opportunity Center (VetHERO)
- NCAA Eligibility
- Articulation
- Degree Certification
- Student Financial Services
 - Bursar/Cashier
 - Financial Aid
- Career Services
- Disability Support Services
- Office of Global Affairs
- New Student Orientation
 - Stampede Week and Freshman Forge
- Plunkett Field and Stage

Y-Chapel

Office of Student Accountability and Conflict Resolution

Center for Counseling and Well-Being

Wellness Center

Student Life

Campus Activities and Events

Greek Life

Student Organizations

Volunteer and Service Learning Center

Testing Services

Career Support Services

UCO Career Development Center assists students with academic/course planning and 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 Development Center counseling staff meets with students Mondays-Fridays through scheduled appointments and during specific non-appointment hours on certain days, which are considered walk-in counseling sessions. To learn current walk-in counseling hours, please call or visit online.

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).

There is also a seminar series each semester to discuss topics such as resume writing, interviewing skills, job and internship searching, and handling a first post-college salary.

The Career Resource Lab within the Career Development Center 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 the online program especially helpful. It is a resume database, from which resumes are electronically referred upon employers' requests. It also serves as the interview scheduling program when recruiters come to campus.

UCO Career Development Center also hosts the Fall Career & Internship Fair, Summer Camp Job Fair, Spring Career & Internship Fair and Teacher Job Fair. See www.careers.uco.edu for the latest information, visit Nigh University Center, Room 338 (above the Express Food Court), or call (405) 974-3346 for more information.

I.D. Cards

All entering students must have an identification (I.D.) card issued the first semester of enrollment and used while the student is enrolled in classes at UCO. Students must show the I.D. card when conducting business on campus. The card also entitles the bearer to discounts at area movie theaters and other community businesses. Students are charged the \$25.00 I.D. fee at first enrollment, to be paid at the Bursar's counter. I.D. Cards may be obtained in the Nigh University

Financial and Student Services Information

Student Support Offices cont'd

Center, Room 222A.

International Services

The Office of Global Affairs, 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 has Immigration and Customs Enforcement (ICE) advisors and activity coordinators 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.

Additionally, the offices of the NCN (National Collegiate Network) advisors are located in the International Student Services Office. These advisors assist students from Japan who were admitted through this program.

For more information on the International Student Services Office, call (405) 974-2390, or visit the Website at: oga.uco.edu.

Academic Support

The Broncho Education and Learning Lab (BELL) exists to help undergraduate and graduate students excel academically through peer tutoring, supplemental instruction, study skills development, time-management tools, and other forms of academic support.

The BELL serves current UCO students at four physical locations across campus. Physical locations include the Nigh University Center, the Quad, Sports Performance Center (for student athletes only), and West Hall (graduate student lounge). Virtual appointments are also available.

For more information about the BELL or to schedule an appointment, visit www.uco.edu/student-resources/bell or call 405-974-2487.

Multicultural Programs

The Office of Diversity and Inclusion is here to help students succeed and accomplish all of their goals at the University of Central Oklahoma. The office offers several services and programs for minority students. The Office of Diversity and Inclusion is located in Nigh University Center, Room 211. The phone number is (405) 974-5946.

The program design includes peer counseling, student skills workshops, and cultural awareness programs. The office serves as a resource for the rest of the campus on issues surrounding minority students. Student staff members help their peers adjust socially and academically to university life, learn basic college survival skills, and explore the myriad opportunities the university community has to offer.

Parking

All students and faculty/staff members must have a valid permit registered to their vehicle when parking on campus. Different permit types are available based on classification and use type, with varying prices to fit the need of the customer. Short-term spaces are also available to provide a convenient option for those needing access to a location for a brief span of time. Students should register their vehicle(s) by the first

day of class. Faculty/staff vehicles should be registered upon reporting to work. Permits may be purchased by visiting the Parking Portal at <https://ucoparking.t2hosted.com/Account/Portal>.

The Transportation and Parking Services unit manages the maintenance and care of university parking facilities, permit sales, violation enforcement, and special event management. The Transportation and Parking Services office is located in 201 Baucher Place, and the office can be reached by phone at (405) 974-2780.

Postal Service

Mail Services is located in the Nigh University Center on the first floor room 146. The mail desk may be reached at (405) 974-2732.

Public Safety and Security

The mission of the University of Central Oklahoma's Department of Public Safety (DPS) is to provide a safe and secure environment to further educational activities within the confines of the campus, its buildings, facilities and service areas. To accomplish this mission, DPS delivers a variety of services through its Police Operations Division, Environmental Health and Safety Division, Access Control (Key Control) Division and Transportation & Parking Services Division.

Police patrol services are provided by commissioned, armed and state-certified police officers. DPS 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. DPS also employs students through the Student Public Safety Officer program to perform general safety and security services. These include building security, Safe-Walk escorts and motorist assistance.

The UCO DPS 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.

The Environmental Health and Safety Division manages a number of programs and training initiatives including fire alarm system management and fire safety programs, asbestos abatement, mold remediation, occupational safety programming, chemical disposal programs and a number of other programs engineered to ensure that UCO remains a safe environment for everyone. They can be reached at (405) 974-2216 or (405) 974-3000. Students should report any environmental health or safety concerns to this office.

Risk Management

UCO is insured through the Office of State Risk Management. The Risk and Insurance Management Program Coordinator in UCO's Office of Legal Counsel, 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

Financial and Student Services Information

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.

Student Counseling Center

The University of Central Oklahoma's Center for Counseling and Well-Being 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 Center for Counseling and Well-Being is located in Nigh University Center, Room 402, and is open between the hours of 8 a.m. to 5 p.m., Monday through Friday, excluding university holidays. Call (405) 974-2215 or visit online at: <https://www.uco.edu/student-resources/center-for-counseling-and-wellbeing/> for more information.

The Alcohol and Drug Abuse Prevention Office

Our goal in the Alcohol and Drug Abuse Prevention Office is to develop prevention strategies to help students decrease the likelihood of alcohol or drug abuse. We provide on-line and comprehensive self-assessments, treatment recommendations, structured support groups and short-term individual therapy services. Visit us at <https://www.uco.edu/student-resources/center-for-counseling-and-wellbeing/> or call 405 974-2215.

Project SPEAK

Project SPEAK provides awareness education and intervention services with issues related to sexual assault or rape, domestic or dating violence, or stalking. Our office is located in the Nigh University Center, Room 406. For more details, call 405-974-2224 or check our UCO website, www.uco.edu/student-resources/center-for-counseling-and-wellbeing/project-speak.

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.

Official Transcripts

Transcripts reflecting degrees earned will be available approximately three weeks after the last day of the semester in which the student graduated. Requests for official transcripts may be made in person or via the online Parchment transcript service.

Students obtaining official transcripts in person may do so through Broncho OneStop in Room 124 on the first floor of the Nigh University Center. Students are limited to five copies per day, and there is no charge for transcripts obtained in person.

All out-going transcript requests must be made through the online Parchment system, which may be accessed via UCONNECT or through the "Self-Register" link at UCO's

"Request a Transcript" page: <https://www.uco.edu/admissions-aid/enrollment-services/request-a-transcript>. Electronic transcripts cost \$7.00 per copy, and paper transcripts cost \$8.00 per copy.



COLLEGE OF
Business

ACADEMIC DEGREE PROGRAMS

College of Business

Business Building, Room 223

Telephone: 405-974-2426

Fax: 405-974-3853

Email: business@uco.edu

Website: www.uco.edu/business

Dr. Jeremy Oller, Dean

Dr. Thanh Tran, Associate Dean

Dr. Geoff Willis, Assistant Dean

Academics and Graduate Programs

Dr. Suzanne Clinton, Assistant Dean

Students and Undergraduate Programs

Department Chairs

Dr. Bambi Hora, Accounting

Dr. Travis Roach, Economics

Dr. Steve Black, Finance

Dr. Michelle Hepner, Information Systems and Operations Management

Dr. Holly Osburn, Management

Dr. Stacia Wert-Gray, Marketing

Dr. Michael Teifke, Military Science

The names of graduate program advisors appear on the program degree sheets on the following pages.

Graduate Offerings for the College of Business

Master of Business Administration (M.B.A.)

Business Administration

Human Resources Management

Managing Analytics

Professional Master of Business Administration (*Exclusively Online*)

Sales Leadership

Master of Science (M.S.)

Business Analytics

Finance

Graduate Certificate

Enterprise Analytics

The College of Business and its programs are accredited by the Association to Advance Collegiate Schools of Business (AACSB).

Program:	Business Administration	Dept:	Business
Major:	Business Administration	College:	Business
Degree:	Master of Business Administration (M.B.A.)	Major Code:	2600

Business Administration, M.B.A.

The mission of the MBA Program at the University of Central Oklahoma is to provide a unique learning experience that will give each graduate the managerial and leadership skills to be productive, creative, ethical, and engaged, excelling in everyday decision-making in varied business environments.

The Master of Business Administration (MBA) degree at the University of Central Oklahoma (UCO) is designed for students who desire broad preparation for managerial and executive positions in business, industry, government, and education. Courses in the innovative, integrated curriculum focus on the knowledge and expertise that today's managers need to solve everyday problems.

The MBA is intended to provide students with a 21st Century MBA education using integrated learning strategies for teaching integrated organizational functions. The UCO MBA student will learn to combine the theoretical and practical knowledge necessary to develop the leadership and management skills required in today's business world.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director of MBA:

Dr. Benjamin Pratt
 Email: bpratt4@uco.edu
 Office: BUS 128
 Phone: 405 - 974 - 2154

Manager of MBA Operations:

Sophia Kuschel
 Email: mba@uco.edu
 Office: BUS 222K
 Phone: 405 - 974 - 2455

Admission Policy and Procedure

The University of Central Oklahoma and the College of Business are committed to a qualified and diverse student population and encourage applications from individuals who hold bachelor's degrees in any field from accredited colleges or universities. Admission decisions are recommended to the Jackson College of Graduate Studies by the MBA Admissions Committee upon review of the complete application.

Applicants are evaluated based on academic ability, as evidenced by a strong undergraduate record and performance on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) and on maturity, motivation, leadership, communication skills, and interest in professional management. These admission standards ensure that applicants admitted to the Jackson College of Graduate Studies are well qualified to study at the University of Central Oklahoma and have a reasonable expectation of successfully completing the program.

Admission Requirements

Submit the following items to the Jackson College of Graduate Studies (JCGS), Nigh University Center, Room 404, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034.

Application deadlines for Fall Admission:

- Priority Admission – May 15
- Regular Admission – July 15
- Space Available Admission – August 1

Application deadlines for Spring Admission:

- Priority Admission - October 1
- Regular Admission – November 15
- Space Available Admission - December 1

Any student who meets the minimum admission requirements is encouraged to submit an application. Applicants should be aware, however, that admission is competitive and meeting the admission requirements alone does not guarantee admission. All applicants are reviewed by an admissions committee who considers all of each

applicant's submitted materials and scores before making offers of admission. Prospective students who do not have an undergraduate degree in business are encouraged to apply and may need to complete leveling courses, which will cover business fundamentals as part of their program. Leveling courses are available in self-paced, online formats.

Additional Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission www.uco.edu/graduate/.
- Submit official GMAT/GRE score report.*
- A 500-word personal statement expressing the applicant's interest in the program, goals and objectives, and any additional information the applicant believes would be helpful for admission decisions.
- Bachelor's or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75* or above (or 2.75 or higher in the last 60 hours). Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Current resume.**
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*GMAT score of 450 or GRE of 300 preferred. Prospective applicants may complete the score report waiver application if they do not have a GMAT or GRE from the last 5 years when applying to the program. Applications for the waiver may be found at mba.uco.edu. The admissions committee will consider waiver applications on a case-by-case basis. Waiver applications are typically received from individuals who 1) who have completed an advanced degree (e.g. masters or higher), 2) have completed 20 or more hours in an advanced degree program with a GPA of 3.5 or above, 3) have an undergraduate GPA of 3.5 or higher (or 3.5 or higher in the last 60 hours), AND/OR 4) have at least 3 years of industry experience. The waiver application includes submission of completed application form, resume, as well as an interview with program director/ admissions committee.

**The MBA Admissions Committee recommends all UCO MBA applicants have 2-3 years industry experience, although this is not strictly required.

Upon notification of acceptance from the Jackson College of Graduate Studies, a student must schedule an appointment with *continued...*

Program: Business Administration
Major: Business Administration

the Director of MBA Enrollment to complete the admission process.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year)
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than two retakes (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Core.....30 Hours

Course Prefix	Course No.	Course Title
MBA	5010	Base Camp (P/F)
MBA	5033	Creative Problem Solving
MBA	5042	Managerial Economics
MBA	5142	Managerial Finance
MBA	5172	Managerial Accounting
MBA	5272	Managerial Statistics
MBA	5242	Organizational Culture and Dynamics
MBA	5331	Building Effective Teams
MBA	5342	Market Driven Strategies
MBA	5352	Managerial and Operational Analytics
MBA	5441	Leadership Development I
MBA	5541	Leadership Development II
MBA	5552	Project and Program Management
MBA	5572	Business Ethics and Sustainability

MBA	5602	Conflict Management and Negotiation
^MBA	5970	Study Tour (2 hours)
^^MBA	5712	Strategic Management

Electives4 Hours

Students must take these courses in residence at UCO. Students must take a minimum of 2 courses in this set.

Course Prefix	Course No.	Course Title
MBA	5422	International Immersion
MBA	5453	Sales Management and CRM
MBA	5522	Investments Management
MBA	5642	Organizational Change and Innovation
MBA	5722	Advanced Managerial Communication
MBA	5900	Practicum
MBA	5910	Seminar/Special Topics
MBA	5852	Integrative Project

^Study Tour. Cohort groups travel to a foreign destination in order to spend 10-14 days immersed in the social and business culture of the region. Overseen by our leading faculty.

^^Capstone Course. Students must take this course in residence at UCO during their final semester of MBA enrollment. Prior to enrollment in this course, students must have earned a cumulative Graduate Average of 3.0 or higher GPA.

TOTAL HOURS REQUIRED 34 HOURS

Accelerated Degree Pathway: BA to MBA

Students who are accepted to the undergraduate degree in Arts Administration may apply to take 5000-level MBA courses up to a maximum of six hours during their senior year of the bachelor's degree. These courses will count toward both the B.A. in Arts Administration and Masters of Business Administration (M.B.A.) The approved graduate courses are: MBA 5033 Creative Problem Solving and MBA 5242 Organizational Culture and Dynamics. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission the Accelerated Degree Program.

Accelerated Degree Pathway: BS to MBA

Students who are accepted to the undergraduate degree in Fashion Marketing may apply to take 5000-level MBA courses up to a maximum of ten hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. in Fashion Marketing and the Masters of Business Administration (M.B.A.) The approved graduate courses are: MBA 5010 Base Camp, MBA 5033 Creative Problem Solving, MBA 5331 Building Effective Teams, MBA 5572 Business Ethics & Sustainability, and MBA 5142 Managerial Finance. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission the Accelerated Degree Program.

Program:	Business Administration	Dept:	Business
Major:	Human Resources Management	College:	Business
Degree:	Master of Business Administration (M.B.A.)	Major Code:	2607

The mission of the MBA Program at the University of Central Oklahoma (UCO) is to provide a unique learning experience that will give each graduate the managerial and leadership skills to be productive, creative, ethical, and engaged, excelling in everyday decision-making in varied business environments.

The Master of Business Administration in Human Resources Management at UCO prepares students to become effective human resource managers with a focus on strategic human resource management, diversity in the workplace, and organizational change and innovation.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director MBA Enrollment

Dr. Benjamin Pratt
 Email: bpratt4@uco.edu
 Office: BUS 128
 Phone: (405) 974 - 2154

Manager of MBA Operations:

Sophia Kuschel
 Email: mba@uco.edu
 Office: BUS 222K
 Phone: 405 - 974 - 2455

Admission Policy and Procedure

The University of Central Oklahoma and the College of Business are committed to a qualified and diverse student population and encourage applications from individuals who hold bachelors' degrees in any field from accredited colleges or universities. Admission decisions are recommended to the Jackson College of Graduate Studies by the MBA Admissions Committee upon review of the complete application.

Applicants are evaluated based on academic ability, as evidenced by a strong undergraduate record and performance on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) and on maturity, motivation, leadership, communication skills, and interest in professional management. These admission standards ensure that applicants admitted to the Jackson College of Graduate Studies are well qualified to study at the University of Central Oklahoma and have a reasonable expectation of successfully completing the program.

Admission Requirements

Submit the following items to the Jackson College of Graduate Studies, 100 N. University Drive, NUC 404, Edmond, OK 73034.

Application deadlines for Fall Admission:

- Priority Admission – May 15
- Regular Admission – July 15
- Space Available Admission – August 1

Application deadlines for Spring Admission:

- Priority Admission - October 1
- Regular Admission – November 15
- Space Available Admission - December 1

Any student who meets the minimum admission requirements is encouraged to submit an application. Applicants should be aware, however, that admission is competitive and meeting the admission requirements alone does not guarantee admission. All applicants are reviewed by an admissions committee who considers all of each applicant's submitted materials and scores before making offers of admission.

Prospective students who do not have an undergraduate degree in business are encouraged to apply and may need to complete leveling courses, which will cover business fundamentals as part of their program. Leveling courses are available in self-paced, online formats.

Additional Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission www.uco.edu/graduate/.
- Submit official GMAT/GRE score report.*
- A 500-word personal statement expressing your interest in the program, goals and objectives, and any additional information the applicant believes would be helpful for admission decisions.
- Bachelor's or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75* or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Current resume.**
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*Minimum GMAT score of 450 and GRE of 300. Prospective applicants may complete the score report waiver application if they do not have a GMAT or GRE from the last 5 years when applying to the program. Applications for the waiver may be found at mba.uco.edu under the "Admissions Details" tab. The admissions committee will consider waiver applications on a case-by-case basis. Waiver applications are typically received from individuals who 1) who have completed an advanced degree (e.g. masters or higher), 2) have completed 20 or more hours in an advanced degree program with a GPA of 3.5 or above, 3) have an undergraduate GPA of 3.5 or higher (or 3.5 or higher in the last 60 hours), AND 4) have at least 3 years of industry experience. The waiver application includes submission of completed application form, resume, as well as an interview with program director/admissions committee.

**The MBA Admissions Committee recommends all UCO MBA applicants have 2-3 years industry experience, although this is not strictly required.

Upon notification of acceptance from the Jackson College of Graduate Studies, a student must schedule an appointment with the Director of MBA Enrollment to complete the admission process.

Program: Business Administration
Major: Human Resources Management

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than two retakes (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Core.....28 Hours

Course Prefix	Course No.	Course Title
MBA	5010	Base Camp (P/F)
MBA	5033	Creative Problem Solving
MBA	5042	Managerial Economics
MBA	5142	Managerial Finance
MBA	5242	Organizational Culture and Dynamics
MBA	5272	Managerial Statistics
MBA	5331	Building Effective Teams
MBA	5342	Market Driven Strategies
MBA	5352	Managerial and Operational Analytics
MBA	5441	Leadership Development I
MBA	5541	Leadership Development II
MBA	5552	Project and Program Management
MBA	5572	Business Ethics and Sustainability
MBA	5602	Conflict Management and Negotiation
^MBA	5970	Study Tour (2 hours)
^^MBA	5712	Strategic Management

Human Resources Major.....6 Hours

Students must take these courses in residence at UCO.

Course Prefix	Course No.	Course Title
MBA	5482	Organizational Diversity and Inclusion
MBA	5512	Strategic HRM
MBA	5642	Organization Change and Innovation

^International Immersion Experience. Cohort groups travel to a foreign destination in order to spend 10-14 days immersed in the social and business culture of the region. Overseen by our leading faculty.

^^Capstone Course. Students must take this course in residence at UCO during their final semester of MBA enrollment. Prior to enrollment in this course, students must have earned a cumulative Graduate Average of 3.0 or higher GPA.

TOTAL HOURS REQUIRED 34 HOURS

Accelerated Degree Pathway: BS to MBA

Students who are accepted to the undergraduate degree in Fashion Marketing may apply to take 5000-level MBA courses up to a maximum of ten hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. in Fashion Marketing and the Masters of Business Administration (M.B.A.) - Human Resources Management degree. The approved graduate courses are: MBA 5010 Base Camp, MBA 5033 Creative Problem Solving, MBA 5331 Building Effective Teams, MBA 5572 Business Ethics & Sustainability, and MBA 5142 Managerial Finance. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission the Accelerated Degree Program.

Program:	Business Administration	Dept:	Business
Major:	Managing Analytics	College:	Business
Degree:	Master of Business Administration (M.B.A.)	Major Code:	2606

Managing Analytics, M.B.A.

The mission of the MBA Program at the University of Central Oklahoma (UCO) is to provide a unique learning experience that will give each graduate the managerial and leadership skills to be productive, creative, ethical, and engaged, excelling in everyday decision-making in varied business environments.

The Master of Business Administration in Managing Analytics at UCO prepares students to become effective managers of and communicators with data analysts and database administrators. These managers will understand how data is collected, the governmental and ethical rules for maintaining that data, and how to utilize the data for business decision-making. The UCO Professional MBA student will learn to combine the theoretical and practical knowledge necessary to manage today's businesses.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director of MBA:

Email:

Office:

Phone:

Dr. Benjamin Pratt

bpratt4@uco.edu

BUS 214

405 - 974 - 2445

Manager of MBA Operations:

Email:

Office:

Phone:

Sophia Kuschel

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BUS 222K

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Admission Policy and Procedure

The University of Central Oklahoma and the College of Business are committed to a qualified and diverse student population and encourage applications from individuals who hold bachelor's degrees in any field from accredited colleges or universities. Admission decisions are recommended to the Jackson College of Graduate Studies by the MBA Admissions Committee upon review of the complete application.

Applicants are evaluated based on academic ability, as evidenced by a strong undergraduate record and performance on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) and on maturity, motivation, leadership, communication skills, and interest in professional management. These admission standards ensure that applicants admitted to the Jackson College of Graduate Studies are well qualified to study at the University of Central Oklahoma and have a reasonable expectation of successfully completing the program.

Admission Requirements

Submit the following items to the Jackson College of Graduate Studies (JCGS), Nigh University Center, Room 404, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034.

Application deadlines for Fall Admission:

- Priority Admission – May 15
- Regular Admission – July 15
- Space Available Admission – August 1

Application deadlines for Spring Admission:

- Priority Admission - October 1
- Regular Admission – November 15
- Space Available Admission - December 1

Any student who meets the minimum admission requirements is encouraged to submit an application. Applicants should be aware, however, that admission is competitive and meeting the admission requirements alone does not guarantee admission. All applicants are reviewed by an admissions committee who considers all of each

applicant's submitted materials and scores before making offers of admission. Prospective students who do not have an undergraduate degree in business are encouraged to apply and may need to complete leveling courses, which will cover business fundamentals as part of their program. Leveling courses are available in self-paced, online formats.

Additional Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission www.uco.edu/graduate/.
- Submit official GMAT/GRE score report.*
- A 500-word personal statement expressing the applicant's interest in the program, goals and objectives, and any additional information the applicant believes would be helpful for admission decisions.
- 2.75* grade point average (GPA) or above in an earned bachelor's or advanced degree program from an appropriately accredited institution. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Current resume.**
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*GMAT score of 450 or GRE of 300 preferred. Prospective applicants may complete the score report waiver application if they do not have a GMAT or GRE from the last 5 years when applying to the program. Applications for the waiver may be found at mba.uco.edu under the "Admissions Details" tab. The admissions committee will consider waiver applications on a case-by-case basis. Waiver applications are typically received from individuals who 1) who have completed an advanced degree (e.g. masters or higher), 2) have completed 20 or more hours in an advanced degree program with a GPA of 3.5 or above, 3) have an undergraduate GPA of 3.5 or higher (or 3.5 or higher in the last 60 hours), AND 4) have at least 3 years of industry experience. The waiver application includes submission of completed application form, resume, as well as an interview with program director/admissions committee.

**The MBA Admissions Committee recommends all UCO MBA applicants have 2-3 years industry experience, although this is not strictly required.

Upon notification of acceptance from the Jackson College of Graduate Studies, a student must schedule an appointment with the Director of MBA Enrollment to complete the admission process.

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Program: Business Administration
Major: Managing Analytics

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than one retake (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Core.....24 Hours

Course Prefix	Course No.	Course Title
MBA	5042	Managerial Economics
MBA	5112	Business Law Concepts for the Workplace
MBA	5142	Managerial Finance
MBA	5172	Managerial Accounting
MBA	5242	Organizational Culture and Dynamics
MBA	5272	Managerial Statistics
MBA	5331	Building Effective Teams
MBA	5342	Market Driven Strategies
MBA	5352	Managerial and Operational Analytics
MBA	5441	Leadership Development I
MBA	5552	Project and Program Management
MBA	5572	Business Ethics and Sustainability
^MBA	5712	Strategic Management

Electives9 Hours

Course Prefix	Course No.	Course Title
MSBA	5113	Spreadsheet Modeling
MSBA	5232	Data Visualization
MSBA	5411	Managing Analytics
MSBA	5233	Enterprise Data Management

^Capstone Course. Students must take this course at UCO their final semester of MBA enrollment. Prior to enrollment in this course, students must have earned a cumulative Graduate Average of 3.0 or higher GPA.

TOTAL HOURS REQUIRED 33 HOURS

Program:	Business Administration	Dept:	Business
Major:	Professional Master of Business Administration	College:	Business
Degree:	Master of Business Administration (M.B.A.)	Major Code:	2604

Business Administration, Professional M.B.A. - Exclusively Online

The mission of the MBA Program at the University of Central Oklahoma is to provide a unique learning experience that will give each graduate the managerial and leadership skills to be productive, creative, ethical, and engaged, excelling in everyday decision-making in varied business environments.

The Professional Master of Business Administration (Professional MBA) major at the University of Central Oklahoma (UCO) is designed for students who desire broad preparation for managerial positions. All courses are delivered online, allowing for flexible learning. The curriculum includes a variety of electives that encourage students to focus on areas of interest that benefit their career. The UCO Professional MBA student will learn to combine the theoretical and practical knowledge necessary to manage today's businesses.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director of MBA:

Dr. Benjamin Pratt
 Email: bpratt4@uco.edu
 Office: BUS 214
 Phone: 405 - 974 - 2445

Manager of MBA Operations:

Sophia Kuschel
 Email: mba@uco.edu
 Office: BUS 222K
 Phone: 405 - 974 - 2455

Admission Policy and Procedure

The University of Central Oklahoma and the College of Business are committed to a qualified and diverse student population and encourage applications from individuals who hold bachelor's degrees in any field from accredited colleges or universities. Admission decisions are recommended to the Jackson College of Graduate Studies by the MBA Admissions Committee upon review of the complete application.

Applicants are evaluated based on academic ability, as evidenced by a strong undergraduate record and performance on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) and on maturity, motivation, leadership, communication skills, and interest in professional management. These admission standards ensure that applicants admitted to the Jackson College of Graduate Studies are well qualified to study at the University of Central Oklahoma and have a reasonable expectation of successfully completing the program.

Admission Requirements

Submit the following items to the Jackson College of Graduate Studies (JCGS), Nigh University Center, Room 404, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034.

Application deadlines for Fall Admission:

- Priority Admission – May 15
- Regular Admission – July 15
- Space Available Admission – August 1

Application deadlines for Spring Admission:

- Priority Admission - October 1
- Regular Admission – November 15
- Space Available Admission - December 1

Any student who meets the minimum admission requirements is encouraged to submit an application. Applicants should be aware, however, that admission is competitive and meeting the admission requirements alone does not guarantee admission. All applicants are reviewed by an admissions committee who considers all of each

applicant's submitted materials and scores before making offers of admission. Prospective students who do not have an undergraduate degree in business are encouraged to apply and may need to complete leveling courses, which will cover business fundamentals as part of their program. Leveling courses are available in self-paced, online formats.

Additional Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission www.uco.edu/graduate/.
- Submit official GMAT/GRE score report.*
- A 500-word personal statement expressing the applicant's interest in the program, goals and objectives, and any additional information the applicant believes would be helpful for admission decisions.
- Bachelor's or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75* or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Current resume.**
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*GMAT score of 450 or GRE of 300 preferred. Prospective applicants may complete the score report waiver application if they do not have a GMAT or GRE from the last 5 years when applying to the program. Applications for the waiver may be found at <https://www.uco.edu/business/academics/mba-program-online> under the "Admissions Details" tab. The admissions committee will consider waiver applications on a case-by-case basis. Waiver applications are typically received from individuals who 1) who have completed an advanced degree (e.g. masters or higher), 2) have completed 20 or more hours in an advanced degree program with a GPA of 3.5 or above, 3) have an undergraduate GPA of 3.5 or higher (or 3.5 or higher in the last 60 hours), AND 4) have at least 3 years of industry experience. The waiver application includes submission of completed application form, resume, as well as an interview with program director/admissions committee.

**The MBA Admissions Committee recommends all UCO MBA applicants have 2-3 years industry experience, although this is not strictly required.

Upon notification of acceptance from the Jackson College of
continued...

Program: Business Administration
Major: Professional Master of Business Administration
 continued

Graduate Studies, a student must schedule an appointment with the Director of MBA Enrollment to complete the admission process.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than one retake (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Core.....25 Hours

Course Prefix	Course No.	Course Title
MBA	5042	Managerial Economics
MBA	5112	Business Law Concepts for the Workplace
MBA	5142	Managerial Finance
MBA	5172	Managerial Accounting
MBA	5242	Organizational Culture and Dynamics
MBA	5272	Managerial Statistics
MBA	5331	Building Effective Teams
MBA	5342	Market Driven Strategies
MBA	5352	Managerial and Operational Analytics
MBA	5441	Leadership Development I
MBA	5541	Leadership Development II
MBA	5552	Project and Program Management
MBA	5572	Business Ethics and Sustainability
^MBA	5712	Strategic Management

Electives 8-9 Hours

Course Prefix	Course No.	Course Title
ACCT	5013	Accounting Research Methods
ACCT	5113	Accounting Theory
MBA	5042	Energy Economics
MBA	5422	International Immersion
MBA	5522	Investments Management
MBA	5642	Organizational Change and Innovation
MBA	5910	Seminar/Special Topics

Or any Graduate Business course approved by the MBA Director.

^Capstone Course. Students must take this course at UCO their final semester of MBA enrollment. Prior to enrollment in this course, students must have earned a cumulative Graduate Average of 3.0 or higher GPA.

TOTAL HOURS REQUIRED 33-34 HOURS

Program:	Business Administration	Dept:	Business
Major:	Sales Leadership	College:	Business
Degree:	Master of Business Administration (M.B.A.)	Major Code:	2605

Business Administration - Sales Leadership, M.B.A.

The mission of the MBA Program at the University of Central Oklahoma (UCO) is to provide a unique learning experience that will give each graduate the managerial and leadership skills to be productive, creative, ethical, and engaged, excelling in everyday decision-making in varied business environments.

The Business Administration-Sales Leadership, M.B.A. at UCO is designed for students who desire broad preparation for managerial and executive positions in business, industry, government, and education. This master's level program provides a career enhancement to our bachelor's graduates that maintain careers in professional sales and provides formal business training to sales personnel as they attain supervisory and executive leadership within their organizations.

The MBA is intended to provide students with a 21st Century MBA education using integrated learning strategies for teaching integrated organizational functions. The UCO MBA student will learn to combine the theoretical and practical knowledge necessary to develop the leadership and management skills required in today's business world.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director of MBA:	Dr. Benjamin Pratt
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Phone:	405 - 974 - 2445
Manager of MBA Operations:	Sophia Kuschel
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Phone:	405 - 974 - 2455

Admission Policy and Procedure

The University of Central Oklahoma and the College of Business are committed to a qualified and diverse student population and encourage applications from individuals who hold bachelor's degrees in any field from accredited colleges or universities. Admission decisions are recommended to the Jackson College of Graduate Studies by the MBA Admissions Committee upon review of the complete application.

Applicants are evaluated based on academic ability, as evidenced by a strong undergraduate record and performance on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) and on maturity, motivation, leadership, communication skills, and interest in professional management. These admission standards ensure that applicants admitted to the Jackson College of Graduate Studies are well qualified to study at the University of Central Oklahoma and have a reasonable expectation of successfully completing the program.

Admission Requirements

Application deadlines for Fall Admission:

- Priority Admission – May 15
- Regular Admission – July 15
- Space Available Admission – August 1

Application deadlines for Spring Admission:

- Priority Admission - October 1
- Regular Admission – November 15
- Space Available Admission - December 1

Any student who meets the minimum admission requirements is encouraged to submit an application. Applicants should be aware, however, that admission is competitive and meeting the admission requirements alone does not guarantee admission. All applicants are reviewed by an admissions committee who considers all of each applicant's submitted materials and scores before making offers of admission. Prospective students who do not have an undergraduate

degree in business are encouraged to apply and may need to complete leveling courses, which will cover business fundamentals as part of their program. Leveling courses are available in self-paced, online formats.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission www.uco.edu/graduate/.
- Submit official GMAT/GRE score report.*
- A 500-word personal statement expressing the applicant's interest in the program, goals and objectives, and any additional information the applicant believes would be helpful for admission decisions.
- Bachelor's or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75* or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Current resume.**
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*GMAT score of 450 or GRE of 300 preferred. Prospective applicants may complete the score report waiver application if they do not have a GMAT or GRE from the last 5 years when applying to the program. Applications for the waiver may be found at mba.uco.edu under the "Admissions Details" tab. The admissions committee will consider waiver applications on a case-by-case basis. Waiver applications are typically received from individuals who 1) who have completed an advanced degree (e.g. masters or higher), 2) have completed 20 or more hours in an advanced degree program with a GPA of 3.5 or above, 3) have an undergraduate GPA of 3.5 or higher (or 3.5 or higher in the last 60 hours), AND 4) have at least 3 years of industry experience. The waiver application includes submission of completed application form, resume, as well as an interview with program director/admissions committee.

**The MBA Admissions Committee recommends all UCO MBA applicants have 2-3 years industry experience, although this is not strictly required.

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Program: Business Administration
Major: Sales Leadership

Upon notification of acceptance from the Jackson College of Graduate Studies, a student must schedule an appointment with the Director of MBA Enrollment to complete the admission process.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than one retake (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Core.....26 Hours

Course Prefix	Course No.	Course Title
MBA	5010	Base Camp (P/F)
MBA	5033	Creative Problem Solving
MBA	5042	Managerial Economics
MBA	5142	Managerial Finance
MBA	5272	Managerial Statistics
MBA	5242	Organizational Culture and Dynamics
MBA	5331	Building Effective Teams
MBA	5342	Market Driven Strategies
MBA	5352	Managerial and Operational Analytics
MBA	5441	Leadership Development I
MBA	5541	Leadership Development II
MBA	5572	Business Ethics and Sustainability
MBA	5602	Conflict Management and Negotiation
^MBA	5712	Strategic Management
^^MBA	5970	Study Tour (2 hours)

Sales Leadership Major.....6 Hours

Students must take these courses in residence at UCO.

Course Prefix	Course No.	Course Title
MBA	5222	Sales Analytics
MBA	5452	Sales Management
MBA	5532	Social Media Marketing

Electives2 Hours

Students must take these courses in residence at UCO. Students must take ONE course in this set.

Course Prefix	Course No.	Course Title
MBA	5900	Practicum
MBA	5910	Seminar/Special Topics

^Capstone Course. Students must take this course at UCO their final semester of MBA enrollment. Prior to enrollment in this course, students must have earned a cumulative Graduate Average of 3.0 or higher GPA.

^^Study Tour. Cohort groups travel to a foreign destination in order to spend 10-14 days immersed in the business and entrepreneurship culture of the region. Overseen by our leading faculty.

TOTAL HOURS REQUIRED34 HOURS*

**Total hours for this degree may exceed the minimum 34 credit hour requirement and will vary according to elective course selection.*

Accelerated Degree Pathway: BS to MBA

Students who are accepted to the undergraduate degree in Fashion Marketing may apply to take 5000-level MBA courses up to a maximum of ten hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. in Fashion Marketing and the Masters of Business Administration (M.B.A.) - Sales Leadership degree. The approved graduate courses are: MBA 5010 Base Camp, MBA 5033 Creative Problem Solving, MBA 5331 Building Effective Teams, MBA 5572 Business Ethics & Sustainability, and MBA 5142 Managerial Finance. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission the Accelerated Degree Program.

Program:	Business Analytics	Dept:	Information Systems and Ops Management
Major:	Business Analytics	College:	Business
Degree:	Master of Science (M.S.)	Major Code:	2610

Business Analytics, M.S.

The Master of Science in Business Analytics provides students with hands-on expertise in processing business data into actionable information. While the program provides a theoretical understanding of the principles used in data analysis for business decision making, it also engages students in practical, hands-on, transformative learning experiences with real-world data.

Technologies studied during the degree include Microsoft Excel, Python, PowerBI, Tableau, SQL, MDX, DAX, and SAS.

The successful Business Analytics graduates will be able to manage and improve analytics processes, identify big data technologies which support business analytics goals, differentiate analysis models for a variety of business cases, and apply the best model for each case. The successful student will also be able to create meaningful representations of business data and communicate the analysis of that data to business professionals.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director of MSBA:	Dr. Michelle Hepner
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Phone:	405 - 974 - 2826
Graduate Advisor:	Sophia Kuschel
Email:	msba@uco.edu
Office:	BUS 222K
Phone:	405 - 974 - 2455

Admission Requirements

Submit the following items to the Jackson College of Graduate Studies (JCGS), Nigh University Center, Room 404, University of Central Oklahoma, 100 N. University Drive, Edmond, OK 73034.

Application deadlines for Fall Admission:

- International Admission – April 15
- Domestic Admission – May 15
- Space Available Admission – May 15

Application deadlines for Spring Admission

- International Admission – September 15
- Domestic Admission – October 15
- Space Available Admission – October 15

Applicants should be aware that admission is competitive and meeting the admission requirements alone does not guarantee admission. All applicants are reviewed by an admissions committee who considers all submitted materials and scores before making offers of admission.

Additional Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission www.uco.edu/graduate/.
- A 500-word letter of application expressing interest in the program and providing any additional information you believe will be helpful for admission decisions. Include how this program fits with your career goals, and how your university education or work history has prepared you for this program. This should not be your life story!
- Bachelor's or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75* or above. Official copies of undergraduate and graduate transcripts from each institution attended with

all degrees posted. All transcripts must be from appropriately accredited institutions.

- Current resume**
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*Students with GPA not meeting these requirements may be granted conditional admission but typically must complete five hours in graduate MSBA courses with cumulative GPA of 3.0 or higher for these hours, as approved by the College of Business Graduate office.

**The MSBA Admissions Committee recommends applicants have 1-2 years industry experience, although this is not strictly required.

Candidates should be willing to participate in a Skype/Phone interview.

Upon notification of acceptance from the Jackson College of Graduate Studies, a student must schedule an appointment with the MSBA Graduate Advisor to complete the enrollment process.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following standards for the Master of Science in Business Analytics:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than two retakes (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline

continued...

Program: Business Analytics
Major: Business Analytics

Graduation Requirements

Core.....25 hours

Course Prefix	Course No.	Course Title
MBA	5352	Managerial and Operational Analytics
MSBA	5113	Introduction to Business Analytics
MSBA	5223	Database Foundations for Analytics
MSBA	5232	Data Visualization
MSBA	5303	Python for Analytics
MSBA	5314	Predictive Analytics and Machine Learning
MSBA	5324	Marketing Analytics
MSBA	5404	Predictive Analytics and Artificial Intelligence

Required Electives3 Hours

Course Prefix	Course No.	Course Title
ECON STAT	5453 5213	Advanced Business Statistics OR Applied Regression Analysis

Electives.....4 Hours

Course Prefix	Course No.	Course Title
MSBA	5233	Enterprise Data Management and Governance
MSBA	5411	Managing Analytics
FIN	5413	Advanced Financial Modeling
MSBA	5910	Seminar/Special Topics
MSBA	5930	Individual Study
^MSBA	5950	Internship in Business Analytics (1 credit hour)
GEO	5113	Geographic Information Systems

^MSBA 5950 may be taken for a total of 3 times (3 credit hours) at the discretion of the MSBA program director.

TOTAL HOURS REQUIRED 32 HOURS

Accelerated Degree Pathway: BS to MSBA

Students who are accepted to the undergraduate degree in Management Information Systems may apply to take 5000-level MSBA courses up to a maximum of ten hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. in Management Information Systems and the M.S. in Business Analytics. The approved graduate courses are: MSBA 5223 Database Foundations, MSBA 5303 Python for Analytics, MSBA 5232 Data Visualization, MBA 5352 Managerial and Operational Analytics. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission the Accelerated Degree Program.

Program: Certificate in Enterprise Analytics **Dept:** Information Systems and Ops Management
College: Business
Code: 2620

The Certificate in Enterprise Analytics provides students with expertise in the processing of business data into actionable information, usable in business decision making. The classes that make up the Certificate in Enterprise Analytics are available within the Master of Science in Business Analytics program. The certificate is available separately and for students earning master’s degrees in other fields. Students will successfully complete the twelve (12) hours of Enterprise Analytics coursework listed below, which will introduce business data, its processing, and its real-world applications within specific disciplines.

The College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB) as well as by the Higher Learning Commission.

Director of Certificate in EA: **Dr. Michelle Hepner**
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 Office: BUS 200L
 Phone: 405 - 974 - 2828

Graduate Advisor: **Sophia Kuschel**
 Email: msba@uco.edu
 Office: BUS 222K
 Phone: 405 - 974 - 2455

Admission Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission www.uco.edu/graduate/.
- Bachelor’s or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75 or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Overall 3.00 GPA or higher.
- 50% of course hours must be completed in residence.
- No more than one “C” and no grade below a C.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of “D” or lower will apply to the degree requirements.

Required Courses.....5 Hours

Course Prefix	Course No.	Course Title
MSBA	5113	Introduction to Business Analytics
MSBA	5232	Data Visualization

Required Electives.....3 hours

Course Prefix	Course No.	Course Title
STAT	5213	Applied Regression Analysis OR
ECON	5453	Advanced Business Statistics

Electives.....4 hours

Course Prefix	Course No.	Course Title
MSBA	5223	Database Foundations for Analytics
MSBA	5233	Enterprise Data Management
FIN	5413	Advanced Financial Modeling
MSBA	5324	Marketing Analytics
MSBA	5411	Managing Analytics
MSBA	5950	Internship in Business Analytics
MBA	5352	Managerial and Operational Analytics
GEO	5113	Geographic Information Systems

TOTAL HOURS REQUIRED 12 HOURS

*NOTE: Students who are interested in healthcare applications of analytics are strongly encouraged to take STAT 5213 for their statistics requirement.

Program:	Finance	Dept:	Finance
Major:	Finance	College:	Business
Degree:	Master of Science (M.S.)	Major Code:	2630

Finance, M.S.

The Master of Science in Finance is designed to provide a theoretical understanding of the principles used to analyze financial data for financial planning and investment decision making and also engage students in practical, hands-on, transformative learning experiences with real-world data. In addition to lectures, the program will include the use of the UCO Finance Lab and the UCO Student Investment Fund.

Today's global financial markets require financial planners and analysts to understand and use the latest theory and technology to make informed financial decisions for companies, investors and financial institutions. The Finance discipline concentrates on the skills and knowledge needed to make and execute financial decisions that weigh risk versus return. The large amounts of data and the speed of the financial markets put a premium on sophisticated financial analysis and the ability to leverage current financial tools and technologies to achieve business goals.

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Phone:	405 - 974 - 2831

Manager of MSF Operations:	Sophia Kuschel
Email:	msfinance@uco.edu
Office:	BUS 222K
Phone:	405 - 974 - 2455

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission www.uco.edu/graduate/.
- A letter of application expressing your interest in the program and providing any additional information the applicant believes would be helpful for admission decisions.
- Bachelor's or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75* or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Current resume**
- Two completed recommendation forms or letters of recommendation from former instructors, employers, or other professionals who can evaluate the applicant's potential to complete graduate study. Letters of recommendation are requested through the online application portal.
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*Students with a GPA not meeting these requirements may be granted provisional admission but typically must complete six hours in graduate MSF courses with a cumulative GPA of 3.0 or higher for these hours, as approved by the College of Business Graduate Office.

**The MSF Admissions Committee recommends applicants have 1-2 years of industry experience, although this is not strictly required.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an

Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year.)
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following standards for the Master of Science in Finance:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than one retake (including audits and withdrawals) per course.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of "D" or lower will apply to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Foundation Courses.....2 Hours

Course Prefix	Course No.	Course Title
MBA	5272	Managerial Statistics
ACCT	5232	Foundations of Accounting

Or any Graduate Business course approved by the MSF Director.

Core.....18 Hours

Course Prefix	Course No.	Course Title
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continued...

Program:
Major:

Finance
Finance

FIN	5333	Corporate Finance
FIN	5233	Advanced Investments ^{^^**}
FIN	5353	Derivatives and Risk Management
FIN	5413	Advanced Financial Modeling
FIN	5243	Advanced Financial Institutions ^{^^}
FIN	5223	Advanced International Finance ^{^^}

Capstone.....3 Hours

Course Prefix	Course No.	Course Title
FIN	5273	Portfolio Management [^]
FIN	5433	Advanced Case Studies in Financial Planning ^{**}

Electives 9 Hours

Course Prefix	Course No.	Course Title
FIN	5583	Fixed Income Analysis
FIN	5553	Advanced Financial Statement Analysis ^{^^}
FIN	5283	Quantitative Investment Analysis [^]
FIN	5453	Fundamentals of Financial Planning ^{**}
FIN	5423	Advanced Insurance, Employee Benefits, and Retirement Planning ^{**}
FIN	5950	Internship in Finance
LS	5223	Advanced Estate Planning ^{^^**}
ECON	5503	Macroeconomics Analysis
MBA	5042	Managerial Economics

Or any Graduate Business course approved by the MSF Director.

^{**}Courses required for the CFP Exam

[^]Courses only offered Face-to-Face in UCO Finance Bloomberg Lab

^{^^}Senior undergraduate Finance majors who have been approved for the Accelerated Degree Pathway may take these courses for both undergraduate and graduate credit.

TOTAL HOURS REQUIRED.....32 HOURS

Accelerated Degree Pathway: BBA to MS

Students who are accepted to the undergraduate degree in Finance may apply to take 5000-level FIN courses up to a maximum of twelve hours during their senior year of the bachelor's degree. These courses will count toward both the B.B.A. in Finance and Master of Science in Finance. The approved graduate courses are: FIN 5223 Advanced International Finance, FIN 5233 Advanced Investments, FIN 5243 Advanced Financial Institutions, FIN 5553 Advanced Financial Statement Analysis, and LS 5223 Advanced Estate Planning. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission the Accelerated Degree Program.



COLLEGE OF
**Education and
Professional Studies**

ACADEMIC DEGREE PROGRAMS

College of Education & Professional Studies

Education Building, Room 225

Telephone: 405 - 974 - 5105

Fax: 405 - 974 - 3851

Website: www.uco.edu/ceps/

Dr. Bryan Duke, Dean

Dr. Darla Fent-Kelly, Associate Dean

Dr. Jerel Cowan, Assistant Dean of Curriculum

Dr. Kimberly Pennington, Assistant Dean and Director of Educator Preparation

Department Chairs

Dr. Michelle Robertson, Chair, Donna Nigh Dept. Adv. Professional & Special Services

Dr. Cheryl Evans, Assistant Chair

Dr. Daniel Vincent, Chair, Curriculum and Instruction

Dr. Jill Davis, Assistant Chair

Dr. Lori Beasley, Interim Chair, Human Environmental Sciences

Dr. Tawni Holmes, Assistant Chair

Dr. Debra Traywick, Chair, Kinesiology & Health Studies

Dr. Stephanie Canada-Phillips, Assistant Chair

Dr. Robin Lacy, Chair, Adult Education and Safety Sciences

Dr. Trevor Cox, Assistant Chair

Dr. Kimberly Pennington, Chair, Educational Sciences, Foundations & Research

Dr. Tyler Weldon, Assistant Chair

Dr. Tephilla Jeyaraj-Powell, Chair, Psychology

Dr. Alicia Limke-McLean, Assistant Chair

The names of graduate program advisors appear on the program degree sheets on the following pages.

Graduate Offerings of the College of Education and Professional Studies

Education Specialist (Ed.S.)

- School Psychology

Master of Arts (M.A.)

- Counseling Psychology

Master of Athletic Training (M.A.T.)

- Athletic Training

Master of Education (M.Ed.)

- Talent Development and Workplace Learning
 - Talent Development
- Bilingual Education - Teacher of English to Speakers of Other Languages
- Curriculum and Instruction
 - Teaching & Learning in PreK-6
 - Early Childhood Education
- Educational Leadership
- Library Media Education
- Reading

- School Counseling
- School and Professional Counseling

- Secondary Education
- Special Education
 - Mild/Moderate
 - Severe/Profound

Master of Public Health (M.P.H.)

- Community Engagement

Master of Science (M.S.)

- Behavior Analysis
- Family and Child Studies
 - Infant/Child Specialist
 - Marriage and Family Therapy
 - Family Science
- Nutrition and Food Science
- Psychology
 - Experimental Psychology
 - Forensic Psychology

- General Psychology

- Speech-Language Pathology
- Wellness Management
 - Exercise Science

Graduate Certificates

- Food Quality and Safety
- Higher Education Leadership-Program Management
- Licensed Professional Counseling
- Teaching and Learning PreK-6th Grade

The College of Education and Professional Studies and its education programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE). The Speech-Language Pathology program is accredited by the Council on Academic Accreditation (CAA) in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association.

Program:	Athletic Training	Dept:	Kinesiology and Health Studies
Major:	Athletic Training	College:	Education and Professional Studies
Degree:	Master of Athletic Training (M.A.T.)	Major Code:	3751

Athletic Training, M.A.T.

The Master of Athletic Training in Athletic Training degree is a 50-hour, professional-level program, which provides graduate students with the knowledge, skills and clinical education necessary to become a practicing athletic trainer. The MAT program is designed for students who have completed an undergraduate degree seeking entry into the athletic training profession through a program accredited by the Commission on Accreditation of Athletic Training Education (CAATE) standards www.caate.net. This program is not intended for students who already have an undergraduate athletic training degree from a CAATE accredited institution or are currently eligible for the BOC Certification Examination.

According to the National Athletic Trainers' Association (NATA), www.nata.org, athletic trainers are "Health care professionals who render service or treatment, under the direction of or in collaboration with a physician, in accordance with their education and training and the states' statutes, rules and regulations. As a part of the health care team, services provided by athletic trainers include injury and illness prevention, wellness promotion and education, emergent care, examination and clinical diagnosis, therapeutic intervention and rehabilitation of injuries and medical conditions."

The MAT curriculum will cover the skills and knowledge required to become a Certified Athletic Trainer established by the Board of Certification, Inc., www.bocac.org. The foundational skills and knowledge are outlined within the five domains of athletic training: Risk Reduction, Wellness, and Health Literacy; Assessment, Evaluation, and Diagnosis; Critical Incident Management; Therapeutic Intervention; and Healthcare Administration and Professional Responsibility.

To become a certified athletic trainer, a student must graduate with a master's degree from an accredited professional athletic training program and pass a comprehensive test administered by the Board of Certification (BOC). Once certified, the individual must meet ongoing continuing education requirements in order to remain certified. Athletic trainers must also work in collaboration with a physician and within their state practice act. Eligibility for the BOC exam is contingent upon completion of a program accredited by the Commission on Accreditation of Athletic Training Education (CAATE) that meets core competency requirements within the curriculum. Passage of the certifying examination is a requirement for licensure in most states.

An athletic trainer is not the same as a personal trainer, who is not usually considered a health care professional and whose vocation is exercise management. A personal trainer may or may not be certified.

The mission of the Master of Athletic Training Program (MATP) is to provide transformative educational opportunities for students to achieve intellectual, professional, personal and creative growth within a nationally accredited curriculum in the field of athletic training to service the health care needs of Oklahoma and beyond.

The goals of the Master of Athletic Training Program are:

1. To provide students the opportunity to complete an accredited program of study that will provide them with the knowledge and clinical skills to become Certified Athletic Trainers.
2. To provide students the opportunity to learn, develop and apply critical thinking, decision-making skills necessary to become an allied-health care provider.
3. To provide students the opportunity to learn, develop and demonstrate ethical leadership and professional behaviors as they relate to health care in a global society.

Graduate Admissions:

Carlie Wellington
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 Phone: 405 - 974 - 5105

Program Director:

Dr. Brian Bobier
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 Office: WAH 015
 Phone: 405 - 974 - 5239

Clinical Director:

Ms. Megan Bolin
 Email: matprogram@uco.edu
 Office: SPC 103G
 Phone: 405 - 974 - 2959

Admission Requirements

Admission to the Graduate Athletic Training Program is competitive. (See: <https://www.uco.edu/programs/jcgs/ceps/master-of-science-in-athletic-training>). Applicants will need to complete a multiple step process to be eligible for admission to the Master of Athletic Training Program and the Jackson College of Graduate Studies (JCGS). Applicants will not be admitted to the MATP until after submitting a complete application to the JCGS and meeting all requirements, including an interview. International students must first meet the university's international admission requirements

before applying for program admission. These students should first talk with an advisor in the Office of Global Affairs.

Applicants may obtain application forms and instructions from the program's webpage at <https://www.uco.edu/programs/jcgs/ceps/master-of-science-in-athletic-training> or the program director. Students wishing to transfer into the program from other graduate programs must be aware of the program's transfer policies.

Application deadlines:

- December 15 for early admission
- April 1 for regular admission

Submit the following:

- A Master of Athletic Training Program application by advertised date.
- A Jackson College of Graduate Studies online application for admission. (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts in sealed envelopes from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Transcripts must show:
 - A minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.
 - Completion of the following:
 - Intro to Athletic Training/Care & Prevention

continued...

Program:
Major:

Athletic Training
Athletic Training continued

- Biology
- General Physics with Lab
- General Chemistry with Lab
- Human Anatomy
- Human Physiology
- Physiology of Exercise
- Biomechanics
- Principles of Nutrition
- Statistics/Research Design
- Fitness/Exercise Assessment/Prescription
- Medical Terminology
- General Psychology

Applicants must have completed these courses within the last 10 years and must have earned a grade of “C” or better for course. A candidate with a deficient prerequisite course may still gain provisional admission, if otherwise qualified. See Admission to Graduate Studies section.

- A completed application reviewed by the selection committee and meeting competitive admission requirements.
- Two letters of recommendation: One letter each from: professor/instructor and one from an athletic trainer, physician or allied-health provider. Letters of recommendation are requested through the online application portal.
- A Statement of Goals regarding your athletic training future or philosophy
- A signed Technical Standards document verifying that the student can meet or exceed the minimum mental, physical, emotional, communicative and intellectual abilities necessary for athletic training
- Immunization records with HBV information
- Professional Rescuer CPR and First Aid certification or equivalent (submit copies of both sides of cards)

Once all application materials are received and reviewed by the program, the program director will notify the candidates and invite the successful ones to an interview. Selected applicants must then complete an on-campus or virtual interview with the selection committee.

After being invited to the Master of Athletic Training Program, students’ admissions will be finalized by the Jackson College of Graduate Studies.

Immediate Post-Admission Requirements

Once accepted to both the program and the Jackson College of Graduate Studies, students must participate in the July semester academic program and complete clinical requirements of the MATP between the July summer semester and fall semester. Pre-clinical level requirement completion is mandatory for participation in the clinical program. Each student will be oriented to their clinical site prior to beginning the rotation. Students that have been accepted, admitted and enrolled in the July semester but fail to complete the pre-professional requirements because of some unforeseeable circumstance will be placed on probation for one semester or until the requirements are met (See Probation Procedure). There are costs involved to complete these requirements as well as the need for transportation to and from clinical sites. The approximate costs are listed below but are subject to change.

Requirements:

1. Pass KINS 5313 and KINS 5623 with a “B” or better.

- Bloodborne Pathogen Training completed in KINS 5623 - \$30.00
- 2. Complete all core competencies. If all proficiencies are not completed, a grade of “I” – Incomplete will be given, and the students will not be allowed to enroll in the Clinical Level I courses.
- 3. Reviewed with program director the program’s policy and procedure manual, nondiscrimination policies, academic advisement and graduation requirements.
- 4. Pay \$150.00 annual clinical program fee
 - Uniform and program badge
 - Personal clinical equipment
- 5. Submit application for Apprentice Athletic Trainer License with the Oklahoma State Board of Medical License and Supervision, \$30.00 (www.okmedicalboard.org)
 - Criminal background check, \$15.00 - 35.00
- 6. Purchase Student Liability Insurance through the University’s Bursar Office and provide receipt to the program director - \$15.00 - 25.00
- 7. TB Test and Flu vaccination, - \$35.00
- 8. Drug testing that may be required for certain clinical sites, approximately \$60.00
- 9. National Athletic Trainers’ Association Membership, \$92.00
- 10. Patient contact an hour tracking software, \$90.00
- 11. Application for Graduation, \$45.00
- 12. Board of Certification, Inc. Exam, \$365.00

It is the student’s responsibility to provide transportation to off-campus clinical sites, doctor offices, hospitals, outreach, observations, and educational seminars related to the clinical education. Access to transportation is required to complete the clinical courses.

Retention/Progression Requirements

1. Must be in “Good Standing” with the MATP, Graduate College and University.
2. Must meet all MATP clinical requirements.
3. Must maintain a cumulative GPA of 3.0 in athletic training major courses.
4. Must earn a “B” or better in major courses.
5. Must take required courses in sequence to ensure “logical progression of increasingly complex and autonomous patient-care and client-care experiences.”
6. Must be enrolled in designated courses to meet curriculum sequence requirements.
7. Must demonstrate ability to continue to meet Technical Standards.

Graduation Requirements

Required Courses.....50 Hours

Taken in the Following Sequence

Course Prefix	Course No.	Course Title	Hrs
First Summer Term			
KINS	5313	Prevention & Health Promotion Principles	3
KINS	5623	Examination & Diagnosis I	3

continued...

Program:**Athletic Training****Major:****Athletic Training continued**

First Fall Semester			
KINS	5343	Examination & Diagnosis II	3
KINS	5413	Athletic Training Clinical I	3
KINS	5433	Therapeutic Interventions I	3
KINS	5321	Interprofessional Education I	1
First Spring Semester			
HLTH	5433	Quantitative Methods OR	3
HLTH	5463	Epidemiological Methods	
KINS	5443	Athletic Training Clinical II	3
KINS	5523	Therapeutic Interventions II	3
KINS	5363	Examination & Diagnosis III	3
KINS	5381	Interprofessional Education II	1
Second Summer Term			
KINS	5713	Patient Centered Care Administration	3
KINS	5723	Psychosocial Interventions	3
Second Fall Semester			
KINS	5513	Examination & Diagnosis IV	3
KINS	5613	Therapeutic Interventions III	3
KINS	5733	Athletic Training Clinical III	3
Second Spring Semester			
KINS	5743	Athletic Training Clinical IV	3
KINS	5633	Transition to Professional Practice	3

Clinical Program Requirements

The Master of Athletic Training Program's philosophy is that each student must be continually and actively involved in every aspect of the clinical program in order to learn, apply, and appreciate the art and science of athletic training.

The standards are rigorous. Students must attend all clinical experience and rotation assignments to observe and demonstrate patient-centered care in collaboration with other healthcare professionals. Preceptors record clinical participation information as part of the student's progression/retention and graduation requirement documentation.

Note. It is imperative that the student understands that only directly supervised clinical experiences by a preceptor will count towards the clinical education requirements. The preceptor will be on site with the ability to intervene on behalf of the athletic training student when working with a patient. At no time should it be the responsibility of the student to cover teams or facilities, if unsupervised. (*Complete clinical program requirements can be found at <https://www.uco.edu/programs/jcgs/ceps/master-of-science-in-athletic-training>.)*)

Note: The amounts of all fees are subject to change. In preparation for graduation, students must obtain correct fee amounts from their graduate program advisor.

Graduation Requirements

1. Meet all University and Graduate College requirements.
2. Complete all Master of Athletic Training Program academic requirements.
3. Earn a "B" or better in each Master of Athletic Training Program major course.
4. Overall GPA of 3.00 or higher with no more than six hours of "C"

and no more than six advisor-approved hours from traditional correspondence courses.

5. Meet all clinical program requirements of Master of Athletic Training Program.

Other Requirements

1. Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of Graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
2. Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Program:	Behavior Analysis	Dept:	Psychology
Major:	Behavior Analysis	College:	Education and Professional Studies
Degree:	Master of Science (M.S.)	Major Code:	3820

Behavior Analysis, M.S.

The Behavior Analysis Program at the University of Central Oklahoma has as its foundation the university's mission of providing transformative educational experiences to students so that they may become productive, creative, ethical, and engaged citizens and leaders serving our global community. The program aims to create successful clinicians whose training enables them to impact their community by supporting those in need of behavioral health services. A combination of conceptual, theoretical, and practical preparation will provide a transformative experience as the graduate learner progress from student to productive and ethical professional behavior analyst.

Program Objectives:

- Develop the behavior analytic knowledge and experience to be successful clinicians;
- Prepare graduates to make impactful contributions to their communities as behavior analysts;
- Prepare graduates to meet certification standards of the Behavior Analyst Certification Board (BACB);
- Prepare graduates to work with a variety of populations in a variety of settings including autism, developmental disabilities, education, homes, clinic, and corporate settings;
- Develop scientist-practitioners by providing learning opportunities in critical thinking, experimental design, research, and program evaluation;
- Provide coursework and practical experiences that are designed to facilitate competency in the theories of behavior analysis and the philosophy of behaviorism and functional contextualism;
- Develop ethical and culturally competent professionals across all areas of professional practice.

Graduates obtain training and experience leading behavior change efforts in coursework on personnel management and consultation. These courses prepare graduates to be in leadership roles where directing other practitioners in behavior change interventions on behalf of their clients is required

The coursework has been approved by the Association for Behavior Analysis International (ABAI) to meet the coursework requirements for certification as a Board Certified Behavior Analyst (BCBA). The completion of the master's program meets the degree requirement allowing students to take the BCBA certification exam.

Graduate Admissions:	Carlie Wellington
Email:	cwellington@uco.edu
Office:	BOX 106, EDU 225
Phone:	405 - 974 - 5105
Coordinator/Advisor:	Dr. Scott Singleton
Email:	bsingleton1@uco.edu
Office:	OLN 108
Phone:	405 - 974 - 5427

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Admission to the program is for **Fall semester only**. Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A preferred minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.
 - Completion of PSY 2753 Psychological Statistics or equivalent as determined by the program coordinator.
- Curriculum Vitae
- Personal Statement
- Two Letters of Recommendation
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- A preferred GRE score of at least 290 on the combined verbal reasoning and quantitative sections, and a minimum of 3.5 on the writing section.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year)
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Upon acceptance into the program, each student must meet with an advisor in the behavior analysis program and complete a plan of study. Each student must then file it with the Psychology Department and subsequently with the Jackson College of Graduate Studies (JCGS).
- Academic Standards. Meet the following course work standards:
 - The student must maintain an overall GPA of 3.00 or higher.
 - No more than six hours of "C" will be applied to the degree requirements.

continued...

Program: Behavior Analysis
Major: Behavior Analysis continued

- No more than 3 hours of C from ABAI approved course sequence coursework (i.e. PSY 5823, PSY 5833, PSY 5853, PSY 5863, PSY 5873, PSY 5883, PSY 5773) will be applied to the degree requirements.
- No grade below “ C” will be applied to the degree requirements.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Course Prefix	Course No.	Course Title	Hrs
Fall - First Year			
PSY	5823	ABA I: Foundations in Behavioral Analysis	3
PSY	5193	Experimental Design	3
PSY	5783	Behavioral Neuroscience	3
Spring - First Year			
PSY	5833	ABA II: Applications of Techniques in Applied Behavior Analysis	3
PSY	5883	School Based Psycho-Educational Intervention	3
PSY	5143	Advanced Developmental	3
Summer - First Year			
PSY	5873	Ethical Conduct & Principles of ABA	3
Fall - Second Year			
PSY	5853	ABA III: Topics in ABA	3
PSY	5773	Personnel and Program Management	3
PSY	5893	Consultation in School Psychology	3
Spring - Second Year			
PSY	5863	ABA IV: Single Subject Design	3
PSY	5900	Practicum	3

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: BS to MS

Students who are accepted to the undergraduate degree in Psychology may apply to take up to a maximum of 9 hours during their senior year of the bachelor’s degree. These courses will count toward both the Psychology bachelor’s degree and Behavior Analysis master’s degree. The approved graduate courses are: PSY 5193, 5783, 5823, 5833, 5883. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Program:	Bilingual Education	Dept:	Curriculum and Instruction
Major:	Bilingual Education/Teaching English to Speakers of Other Languages	College:	Education and Professional Studies
Degree:	Master of Education (M.Ed.)	Major Code:	3762

Bilingual Education-Bilingual Education/Teachers of English to Speakers of Other Languages, M.Ed.

The master's degree in Bilingual Education-Bilingual Education/Teachers of English to Speakers of Other Languages (TESOL) major is designed to prepare teachers to work with the ever increasing number of non- and limited-English-proficient students in Oklahoma's schools. The program provides already-certified teachers the training to better assist K-12 English language learners who are struggling to survive and succeed academically. Graduates of the UCO Bilingual Education/TESOL Program are expected to become leaders who can apply their knowledge, skills, and dispositions in the classroom setting, professional settings, and the community. The focus of the program coursework includes foundations of research, second language acquisition theory, cultural influences, historical and philosophical foundations of educational practices related to language minorities, current instructional and assessment practices across the curriculum, and grounding in English language structure and usage. Graduate students not holding Oklahoma teaching certification, but otherwise eligible for admission, will be required to complete alternative prerequisites.

Nationally accredited by the International TESOL Association and aligned with the TESOL P-12 Standards for Teacher Preparation, UCO's Bilingual Education/TESOL Program objectives are designed to develop the following areas of competency:

1. Understanding of language as a system, including phonology, morphology, syntax, pragmatics, and semantics in support of ELLs language and literacy development.
2. Understanding and application of theory and research in language acquisition and development, and the application to academic proficiency for ELLs.
3. Knowledge, understanding, and use of major concepts, principles, theories and research related to the nature and role of culture as it affects English language learning.
4. Planning for effective, standards-based ESL and content instruction.
5. Implementing and managing effective, standards-based ESL and content instruction.
6. Using resources and technology effectively in ESL and content instruction.
7. Understanding of issues of assessment for English language learners.
8. Understanding of issues and practices in language proficiency assessment.
9. Understanding and application of effective and appropriate classroom-based assessment for ESL.
10. Understanding and application of ESL research and history
11. Understanding of the importance of engagement and commitment to continuous professional development, building of collegial partnerships, and advocacy for the benefit of ELLs and their community.

Graduate Admissions:

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Co-Coordinator/Advisor:

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 Phone: 405 - 974 - 5139

Co-Coordinator/Advisor:

Dr. Angela Mooney
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 Office: LIB 124
 Phone: 405 - 974 - 5888

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show a minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.*
- A current teaching certificate or completion of six undergraduate

hours in Education and six undergraduate hours in English at or above the 3000 level.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

continued...

Program:

Bilingual Education

Major: Bilingual Education/Teaching English to Speakers of Other Languages continued

Graduation Requirements

Required Courses.....26 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
TESL	5123	Foundations of Bilingual/Multicultural Ed
TESL	5313	Assessment of Multilingual Learners
TESL	5522	Integrating Technology for Multilingual Learners (2 credit hours)
TESL	5143	Literacy Development for Multilingual Learners
TESL	5163	Content Area Instruction for Multilingual Learners
TESL	5212	Cultural Linguistic Diversity in Schools (2 credit hours)
TESL	5413	Language Structure I
TESL	5763	Second Language Acquisition
TESL	5960	Multicultural Education Institute (1 credit hour)

Guided Electives.....6 Hours

Course Prefix	Course No.	Course Title
TESL	5133	One/Two-way Language Immersion
		OR
TESL	5783	TESOL Methodology
ENG	5413	Teaching ESL Grammar
		OR
TESL	5883	Teachers as Researchers

Capstone.....2 Hours

Course Prefix	Course No.	Course Title
TESL	5900	Capstone Practicum

TOTAL HOURS REQUIRED 34 HOURS

Program: Certificate in Food Quality and Safety

Dept: Human Environmental Sciences
College: Education and Professional Studies
Code: 3669

Exclusively Online

The graduate certificate in Food Quality and Safety is designed for nutrition and food science graduate students interested in food microbiology, sanitation, regulations, quality control, and quality assurance. The students will be prepared to meet demand of careers in food safety and quality. This certificate meets the growing need for regulatory and safety experts in food and supplement industry.

Coordinator: **Kanika Bhargava**
 Email: kbhargava@uco.edu
 Office: HES 201F
 Phone: 405 - 974 - 5556

Admission Requirements:

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive
 NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show a minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted, and a grade of C or better in the courses listed below.
- The following undergraduate courses are required and are needed prior to enrolling in the graduate courses for this certificate:
 - NTRN 1613 Principles of Food Preparation and Lab,
 - NTRN 3131 Food Safety and Sanitation,
 - NTRN 4123 Food Science and Lab,
 - Equivalent courses may be substituted with permission of the Program Advisor.
- Students with a native language other than English must submit evidence of English language proficiency. See Admission to Graduate Studies - English Language Proficiency (p .15).
- Students falling below these standards may qualify for conditional admission. See Admissions to Graduate Studies (p.13).

Other Requirements

- Plan of Study. Each student must file a plan of study with his/ her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Maintain an overall GPA of 3.00 GPA or higher.
 - No more than one “C” and no grade below a C.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for certificate upon completion through JCGS.

Required Courses.....12 Hours

Course Prefix	Course No.	Course Title
NTRN	5653	Advanced Food Science
NTRN	5663	Food Laws and Regulations
NTRN	5713	Food Safety and Quality Management
NTRN	5723	Functional Foods for Health

TOTAL HOURS REQUIRED 12 HOURS

Program: Certificate in Higher Education Leadership–Program Management

Dept: Adult Education and Safety Sciences
College: Education and Professional Studies
Code: 3781

Professionals in the field of Higher Education Leadership are frequently charged with effectively and efficiently administering or directing learning focused programs. This certificate pulls from four existing courses in the major to allow students to achieve a level of recognized skills in the area of program management. The competencies identified by the National Association for Student Personnel Administrators, one of the two dominant professional organizations for professionals in student affairs in the USA, includes four competencies that are included within the proposed certificate. Those competencies, which are built into the four courses that comprise the certificate, are: 1. Assessment, evaluation and research, 2. Human and organizational resources, 3. Leadership, and 4. Ethical, Professional Practice.

Coordinator: **Dr. Ed Cunliff**
 Email: ecunliff@uco.edu
 Office: CTL 221
 Phone: 405 - 974 - 2972

Admission Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission (www.uco.edu/graduate/).
- Bachelor’s or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75 or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Overall 3.00 GPA or higher.
- 50 percent of course hours must be completed in residence.
- No more than one “C” and no grade below a C.
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of “D” or lower will apply to the degree requirements.

Required Courses.....12 Hours

Course Prefix	Course No.	Course Title
ADED	5073	Managing Talent Development and Workplace Learning Programs
ADED	5353	Org. & Admin. of Higher Education
ADED	5423	Evaluation & Analysis of Learning Strategies and Programs
ADED	5483	Contemporary Issues in Talent Development and Workplace Learning

TOTAL HOURS REQUIRED 12 HOURS

Program: Certificate in Licensed Professional Counseling

Dept: Advanced Professional & Special Services
College: Education and Professional Studies
Code: 3830

The Certificate in Licensed Professional Counseling is embedded within the Master of Education degree in School Counseling and School and Professional Counseling and is not available for other fields. This certificate provides students with the additional 27 credit hours and is designed for UCO School Counseling students who wish to complete academic requirements for a licensed professional counselor in the state of Oklahoma.

Coordinator/Advisor: Dr. Lea Ann Garcia
 Email: schoolcoun@uco.edu
 Office: LIB 132
 Phone: 405 - 974 - 5315

Admission Requirements

- Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034
- Online application for admission (www.uco.edu/graduate/).
 - Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.*
 - Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
 - Okla. Board of Behavioral Health approved school counseling coursework and a current Oklahoma School Counseling Certificate.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the program coordinator before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Embedded Certificate27 Hours
Core15 Hours

Course Prefix	Course No.	Course Title
GUID	5193	Abnormal Psych for School Personnel
GUID	5213	Counselor/Ethical Consultant
GUID	5333	Individual Test Interpretation
GUID	5343	Counseling Children & Adolescents
*GUID	5900	Practicum in Prof Counsel (Prereq: GUID 5163, 5113, 5153, 5193, 5213, 5333, 5343, & completed 51 hrs. of cousework)

*GUID 5900 Practicum. This is the last course in the program and requires permission for entry. Internship and practicum applications are available from the program coordinator. For the fall semester, an application must be in by the sixth week of the previous spring Semester: for the spring semester by the sixth week of the fall semester. Students must complete all theory courses (GUID 5163, 5113, 5153).

Electives12 Hours

Course Prefix	Course No.	Course Title
SPED	5543	Counseling Families with Disabilities
SAS	5303	Substance Abuse in Special Populations
SAS	5323	Psychopharmacology & Neurobiology of Addiction
SAS	5443	Family Systems Therapy
SAS	5633	Trauma Counseling
*SAS	5910	Seminar/Secondary Special Topics
GERO	5363	Psychology of Aging
GERO	5463	Bereavement Counseling
FMCD	5043	Family Dynamics & Sexuality

*See advisor for Seminar/Special Topics enrollment information.

TOTAL HOURS REQUIRED 27 HOURS

Program: Certificate in Teaching and Learning
PreK-6

Dept: Curriculum and Instruction
College: Education and Professional Studies
Major Code: 3851

Available Virtually through IVE

The Certificate in Teaching and Learning PreK-6 is embedded within the Master of Education degree in Curriculum and Instruction-Teaching and Learning in PreK-6 and is designed for career changers who plan to pursue their Oklahoma teacher certification. This certificate provides students with 18 credit hours in the coursework listed below to complete academic requirements for early childhood or elementary teacher certification in Oklahoma. Students in other related programs may also earn the certificate by taking the courses listed below. This certificate is different from the Oklahoma Teaching Certificate. Students who are seeking their teacher certificate should contact the Oklahoma Office of Teacher Certification for specific requirements.

Coordinator/Advisor: **Dr. Jill Davis**
 Email: jdavis131@uco.edu
 Office: LIB 131-B
 Phone: 405-974-5134

Admission Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission (www.uco.edu/graduate/).
- Bachelor’s or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75 or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher;
 - Passing all core courses with at least a “B”, and having no more than six credit hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Teaching and Learning in PreK-6 Required Courses

..... 18 Hours

Course Prefix	Course No.	Course Title
CIED	5423	Reading Pedagogy for Pre-Kindergarten to Grade 6
CIED	5353	Math Pedagogy for Pre-Kindergarten to Grade 6
CIED	5383	Pedagogical Theories, Practices, and Child Development
CIED	5403	Instructional Design and Assessment
CIED	5433	Classroom Interaction and Discussion
TESL	5253	Principles and Methods of Teaching English Learners

TOTAL HOURS REQUIRED 18 HOURS

Program:	Counseling Psychology	Dept:	Psychology
Major:	Counseling Psychology	College:	Education and Professional Studies
Degree:	Master of Arts (M.A.)	Major Code:	3717

Counseling Psychology, M.A.

The master's degree in Counseling Psychology is a three-year, full-time program that prepares graduates to provide services in diverse settings including community mental health centers, youth and family service agencies, marriage and family counseling centers, child guidance clinics, university counseling centers, psychiatric hospitals, drug and alcohol treatment centers, shelters and centers for child abuse and domestic violence, and private practice. Some graduates complete additional training at the doctoral level. Students in the counseling program are typically working towards Licensure as a Professional Counselor (LPC) or Behavioral Practitioner (LBP). Each license requires that applicants complete a Master's degree with at least sixty (60) hours of counseling related coursework. Further information concerning licensure may be obtained from the State Department of Health at <https://www.ok.gov/behavioralhealth/>. The M.A. in Counseling Psychology is accredited by the Masters in Psychology and Counseling Accreditation Council (MPCAC).

Students in the program are expected to:

- Demonstrate an understanding of the ethical and legal standards of behavior for counselors and consistently function in an ethical, professional manner;
- Consistently function in an ethical manner;
- Demonstrate skills in creating effective therapeutic relationships that facilitate the counseling process;
- Demonstrate effectiveness in working with diverse models, theories, and techniques that contribute to positive outcomes in counseling including evidence-based treatments;
- Demonstrate skills in conducting effective assessment and treatment of children, couples and families while being sensitive to the special needs and considerations of these client populations;
- Demonstrate an understanding of the importance of the science of psychology, applied research, and scientific inquiry and their contributions to the counseling process;
- Demonstrate skills in working in gender and culturally diverse contexts and with individuals who are culturally diverse;
- Demonstrate an understanding of empirically validated group psychotherapy theory, techniques and process dynamics;
- Demonstrate a trans-theoretical understanding of the development, diagnosis and treatment of psychopathology.

The Counseling major requires a minimum of 60 graduate hours. In addition to the core courses required for all M.A. students, the program also requires that students complete coursework in counseling, psychological assessment, legal and ethical aspects of counseling, psychopathology, and other counseling-related courses.

Graduate Admissions:	Carlie Wellington
Email:	cwellington@uco.edu
Office:	BOX 106, EDU 225
Phone:	405 - 974 - 5105
Coordinator/Advisor:	Dr. Caleb Lack
Email:	clack@uco.edu
Office:	OLN 107
Phone:	405 - 974 - 5456

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Admission to the program in Counseling Psychology is for **Fall semester only**. Application **Deadline is January 15**. Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A preferred minimum 3.00 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Preferred completion of 9 undergraduate hours as follows: PSY 3713, PSY 3903, and PSY 2853 or equivalent.
- Curriculum Vita
- Personal Statement
- Three Letters of Recommendation. Letters of recommendation are requested through the online application portal.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

- A preferred GRE score of at least 290 on the combined verbal reasoning and quantitative sections, and a minimum of 3.5 on the writing section.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p. 17\)](#).*

Other Requirements

- Plan of Study. Students will submit a plan of study, or summary of course requirements, indicating the trajectory of the sequential courses. Each year, students will enter in as a new cohort and will move through the program together. Some exception may be made due to potential waived courses or transfers into the program from a different major. Students must meet with the Counseling Psychology program advisor and obtain approval for the proposed Plan of Study. They must then file it with the Psychology Department and subsequently with the Jackson College of Graduate Studies (JCGS). The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Practicum. Training in the Counseling program culminates in a two consecutive semester practicum. During practicum, students provide supervised services to a diverse clientele in faculty-approved settings. Pre-practicum meetings are held with the Practicum Coordinator prior to each semester's practicum placement to provide information to students about the application that will be submitted to the Practicum Coordinator. Each student must submit an application, an official transcript, and a curriculum vita. In addition to submitting the required materials, students must have completed all of the specified counseling and assessment courses and have no more than nine hours of coursework (not including practicum) remaining. Once each application has been submitted and minimum

continued...

Program: Counseling Psychology
Major: Counseling Psychology continued

requirements have been met, the Counseling Faculty will review the application and the Practicum Coordinator notify the applicant of their status. Students' performance during their courses of study will be used to assess whether they have acquired the minimum counseling and assessment skills necessary for practicum placement. Concerns about students' readiness will be addressed by the counseling faculty each semester and students will be notified concerning any remediation necessary prior to applying for practicum. Due to the serious nature of providing counseling and assessment services, students in the Counseling Program will be reviewed each semester via coursework regarding their personal and professional readiness to apply for practicum.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C" will be applied to the degree requirements.
 - Students must complete all courses, practicums, clinic experiences, and internship per program guidelines and required hours of supervision.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

TOTAL HOURS REQUIRED 60 HOURS

LPC or LBP Exam Course Sequence

Students who have completed a master's degree in Psychology or a related field but do not have the required 60 hours to become a LPC or LBP must meet the same application requirements to take the additional hours as do students who are applying for their first master's degree in Counseling Psychology. Students who are completing the additional 33 hours are encouraged to explore earning a second master's degree in General Psychology.

Course Prefix	Course No.	Course Title	Hrs
Fall - First Year			
PSY	5193	Experimental Design	3
PSY	5823	ABAI: Foundations in Behavioral Analysis	3
PSY	5473	Individual Counseling	3
Spring - First Year			
PSY	5833	ABA II: Applications of Techniques in Applied Behavior Analysis	3
PSY	5233	Psychopathology	3
PSY	5153	Cognitive Assessment	3
Summer - First Year			
PSY	5263	Legal & Ethical Aspects of Counseling	3
PSY	5143	Advanced Developmental Psychology	3
Fall - Second Year			
PSY	5253	Personality & Pathology Assessment	3
PSY	5483	Group Counseling	3
PSY	5683	Advanced Counseling	3
Spring - Second Year			
PSY	5493	Competency Based Counseling	3
PSY	5533	Couples & Family Counseling	3
PSY	5523	Child & Adolescent Counseling	3
Summer - Second Year			
PSY	5563	Advanced Social Psychology	3
PSY	5033	Culture & Gender Diversity	3
Fall - Third Year			
PSY	5783	Behavioral Neuroscience	3
PSY	5900	Practicum Counseling Psychology I	3
Spring - Third Year			
PSY	5333	Psychopharmacology	3
PSY	5900	Practicum Counseling Psychology II	3

Program:	Curriculum and Instruction	Dept:	Curriculum and Instruction
Major:	Early Childhood Education	College:	Education and Professional Studies
Degree:	Master of Education (M.Ed.)	Major Code:	3852

The Early Childhood Education program is designed to provide an advanced program of study focusing on the developmentally appropriate care and education of children from birth through age eight within various early childhood and elementary school settings. Students will be given the opportunity to demonstrate a basic knowledge of educational research, including research procedures and methods; sources and formats utilized for presenting education research; critical review of research reports; and the preparation and defense of a research proposal.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: Box 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Barbara Carter**
 Email: bcarter23@uco.edu
 Office: LIB 155
 Phone: 405 - 974 - 5126

Admission Requirements

Submit the following items to Jackson College of Graduate Studies, 100 N. University Drive, NUC 404, Edmond, OK 73034:

- Online application for admission (www.uco.edu/graduate/).
- Official copies of graduate and undergraduate transcripts from each institute attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 overall GPA or 2.75 GPA in the last 60 hours attempted.*
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p. 17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see Accelerated Degree Pathways on p.196).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be official.
- Academic Standards. Meet the following course work standards:

- Overall GPA of 3.00 or higher;
- Passing all core courses with at least a "B", and having no more than six credit hours of "C".
- No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Program Core.....15 Hours

Course Prefix	Course No.	Course Title
CIED	5151	Professional Engagement in Education
CIED	5213	Curriculum Inquiry
CIED	5253	Teachers as Researchers OR
ESFR	5013	Foundations of Educational Research
CIED	5333	Critical Issues in Education
TESL	5212	Cultural and Linguistic Diversity in Schools
CIED	5373	Curriculum Design Theories

Early Childhood Education Major19 Hours

Course Prefix	Course No.	Course Title
ECED	5433	Theoretical Perspectives of Learning and Practice
ECED	5233	Educ Practices of Constructivist Teachers
ECED	5063	Dev., Lrng., Fam. Involvement: Birth - 3
*ECED	5332	Science in Early Childhood Education
*ECED	5342	Social Studies in Early Childhood Education
ELED	5263	Assessment/Intervention Reading K-3
ELED	5323	Teaching Mathematics in Preschool/Primary

TOTAL HOURS REQUIRED 34 HOURS

Accelerated Degree Pathway: B.S. to M.Ed.

UCO's Early Childhood Education Master's in Curriculum and Instruction has partnered with the B.S. in Early Childhood Education so that approved students may take up to ten credit hours of 5000-level ECED/ELED courses during their senior year of the B.S. program. These courses will count toward both the B.S. and M.Ed. degrees. A formal application to the M.Ed. in Early Childhood Education program and an approval from the Department of Curriculum and Instruction are required. Up to ten credit hours of the following courses can be used to satisfy both the B.S. in Early Childhood Education and the M.Ed. in Curriculum and Instruction - Early Childhood Education: ECED 5332 Science in Early Childhood, ECED 5342 Social Studies in Early Childhood, ELED 5263 Assessment/Intervention Reading K-3, ELED 5323 Teaching Mathematics in Preschool/Primary.

Program: Curriculum and Instruction **Dept:** Curriculum and Instruction
Major: Teaching & Learning in PreK-6 **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3850

Curriculum and Instruction – Teaching & Learning in PreK-6, M.Ed.

The Curriculum and Instruction graduate program will prepare career changers, including emergency certified teachers, to effectively teach children in early childhood and elementary classrooms. The program is designed to meet the needs of those pursuing an early childhood or elementary teaching career who have not completed a comprehensive teacher preparation program.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: Box 106, EDU 225
 Phone: 405-974-5105

Coordinator/Advisor: **Dr. Jill Davis**
 Email: jdavis131@uco.edu
 Office: LIB 131-B
 Phone: 405-974-5134

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of graduate and undergraduate transcripts from each institute attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 overall GPA or 2.75 GPA in the last 60 hours attempted.*
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher;
 - Passing all core courses with at least a “B”, and having no more than six credit hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Program Core.....15 Hours

Course Prefix	Course No.	Course Title
CIED	5151	Professional Engagement in Education
CIED	5213	Curriculum Inquiry
CIED	5253	Teachers as Researchers OR
ESFR	5013	Foundations of Educational Research
CIED	5333	Critical Issues in Education
TESL	5212	Cultural and Linguistic Diversity in Schools
CIED	5373	Curriculum Design Theories

Teaching and Learning in PreK-6 Major18 Hours

Course Prefix	Course No.	Course Title
CIED	5423	Reading Pedagogy for Pre-Kindergarten to Grade 6
CIED	5353	Math Pedagogy for Pre-Kindergarten to Grade 6
CIED	5383	Pedagogical Theories, Practices, and Child Development
CIED	5403	Instructional Design and Assessment
CIED	5433	Classroom Interaction and Discussion
TESL	5253	Principles and Methods of Teaching Multilingual Learners

TOTAL HOURS REQUIRED 33 HOURS

Program: Educational Leadership **Dept:** Adv. Professional & Special Services
Major: Educational Leadership **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3601

Educational Leadership, M.Ed. - Exclusively Online

The master’s degree in Educational Leadership offers a degree in school administration PK-12. The degree program is based on requirements for the Elementary and/or Secondary School Principal Standard Certificate as set forth by the Oklahoma State Department of Education.

The Educational Leadership degree program prepares school leaders who demonstrate the knowledge and skills required of future administrators. The curriculum is designed in an integrated problem-based mode to promote an understanding of the relationships between the various knowledge and skill areas in education leadership. Clinical internship tasks and field experiences provide the necessary transition from the study of content areas toward a more realistic workplace experience.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: Box 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Dawn Pearce**
 Email: edlead@uco.edu
 Office: LIB 128
 Phone: 405 - 974-3964

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of graduate and undergraduate transcripts from each institute attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 overall GPA or 2.75 GPA in the last 60 hours attempted.*
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher;
 - Passing all core courses with at least a “B”, and having no more than six credit hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Students seeking **Oklahoma Administrative Certification** must also submit the following to their graduate program advisor.

- A letter from a school administrator verifying at least two years of teaching experience and/or supervisory experience from

- an accredited Oklahoma School or another accrediting state education agency.
- A current teaching certificate.

Graduation Requirements

Required Courses.....34 Hours

Course Prefix	Course No.	Course Title
EADM	5353	Technology for School Administration
EADM	5453	Interpersonal Relations/School Admin.
EADM	5543	Fundamentals of Public School Admin.
EADM	5553	Legal Aspects of School Administration
EADM	5583	Public School Finance
EADM	5623	Supervision and Evaluation of Instruction
EADM	5673	School Personnel Administration
EADM	5683	Curriculum Leadership
EADM	5814	Principal/Internship
ESFR	5013	Foundations of Educational Research
ESFR	5153	Adv. Dev. Psych. In an Education. Setting

TOTAL HOURS REQUIRED 34 HOURS

Program: Family and Child Studies **Dept:** Human Environmental Science
Major: Family and Child Studies - Infant/Child Specialist **College:** Education and Professional Studies
Degree: Master of Science (M.S.) **Major Code:** 3654

Family and Child Studies - Infant/Child Specialist, M.S.

Infant Mental Health Endorsement

The master’s degree in Family and Child Studies - Infant/Child Specialist prepares students for the certification examination in Family Life Education from the National Council on Family Relations. The Certified Child and Parenting Specialist credential is also available to those graduates who successfully complete the required examination and internships.

The UCO Child Study Center provides the practical opportunities for these programs with hands-on experience and research. Internship and Practicum requirements are a part of all three programs, as well as a required number of prerequisites.

Graduate Admissions: **Carlie Wellington**

Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. LaDonna Atkins**

Email: latkins@uco.edu
 Office: HES 100D
 Phone: 405-974-5354

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:*
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisite courses: FMCD 2213 or FMCD 3313, FMCD 3723, FMCD 3813, FMCD 4874
- Applicants will be required to complete a writing-sample session. These are given once each semester.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses
- Thesis. If applicable, complete an acceptable thesis and successfully defend it in public, two paper copies of the thesis and one electronic copy to the library through Proquest and the

- thesis’ title page, original signature page, and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Courses.....19 Hours

Course Prefix	Course No.	Course Title
FMCD	5011	Orientation to Graduate Studies
FMCD	5023	Theories in Family and Child Studies
FMCD	5153	Trauma and Resilience in Families
FMCD	5363	Ethics and Issues in Family and Child Studies
FMCD	5373	Life Span Development in FMCD
FMCD	5543	Leadership, Comm and Advocacy
FMCD	5653	Research in Professional Studies OR
ESFR	5013	Foundations of Educational Research

Guided Electives.....14 Hours

Course Prefix	Course No.	Course Title
FMCD	5043	Family Dynamics and Sexuality
FMCD	5102	Case Management
FMCD	5523	Family Law and Public Policy
FMCD	5122	Early Intervention with Infant & Toddler
FMCD	5342	Infant Mental Health
FMCD	5423	Linking Family and Community
SOC	5463	Sociology of Trauma
SPED	5572	Autism and TBI

Internship or Thesis 3-4 Hours

Course Prefix	Course No.	Course Title
FMCD	5793	Capstone in Family Science (200 hours) OR
FMCD	5990	Thesis (4-credit hours)

TOTAL HOURS REQUIRED36-37 HOURS

Program: Family and Child Studies **Dept:** Human Environmental Science
Major: Family Science **College:** Education and Professional Studies
Degree: Master of Science (M.S.) **Major Code:** 3656

Family and Child Studies - Family Science, M.S. - Exclusively Online

The master's degree in Family and Child Studies - Family Science prepares students to apply for the certified in Family Life Educator credential from the National Council on Family Relations. The Certified Child and Parenting Specialist credential is also available to those graduates who successfully complete the required examination and internships. The UCO Child Study Center provides the practical opportunities for programs with hands-on experience and research. Internship and Practicum requirements are a part of all three programs, as well as a required number of prerequisites. The FCS - Family Science program has national academic program approval from the National Council on Family Relations.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: Box 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Samantha Carlton**
 Email: sthomas37@uco.edu
 Office: HES 100E
 Phone: 405-974-5786

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisite courses: FMCD 2213 or PTE 4133, FMCD 2223, and FMCD 4413
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Applicants will be required to complete a writing-sample session. These are given once each semester.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis: If applicable complete an acceptable thesis and

successfully defend it in public, two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' title page, original signature page, summary and abstract page to the JCGS.

- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Core Courses.....22 Hours

Course Prefix	Course No.	Course Title
FMCD	5011	Orientation to Graduate Studies
ESFR	5013	Foundations of Educational Research OR
FMCD	5653	Research in Professional Studies
FMCD	5023	Theories in Family & Child Studies
FMCD	5043	Family Dynamics and Sexuality
FMCD	5363	Ethics & Issues in Family and Child Studies
FMCD	5373	Life Span Development in FMCD
FMCD	5543	Leadership, Comm and Advocacy
FMCD	5153	Trauma and Resilience in Families OR
FMCD	5433	Families in Crisis

Interdisciplinary Courses (courses chosen during advisement)

Choose 12 Hours

Course Prefix	Course No.	Course Title
FMCD	5423	Linking Family and Community
FMCD	5523	Family Law and Public Policy
FMCD	5713	Parent Support and Intervention
FACS	5453	Consumer Management

Capstone3 Hours

Course Prefix	Course No.	Course Title
FMCD	5793	Capstone in Family Science (200 hours) OR
FMCD	5990	Thesis

TOTAL HOURS REQUIRED37-38 HOURS

Program: Family and Child Studies **Dept:** Human Environmental Science
Major: Marriage and Family Therapy **College:** Education and Professional Studies
Degree: Master of Science (M.S.) **Major Code:** 3655

Family and Child Studies - Marriage and Family Therapy, M.S.

The master's degree in Family and Child Studies - Marriage and Family Therapy prepares students to sit for the national MFT exam and apply for candidature as a Licensed Marriage and Family Therapist as dictated by Oklahoma's State Board of Behavioral Health (BBHL). Courses are administered online and in-person and include a 2-semester practicum, which provides hands-on experience and research. This program has been reviewed and approved by the BBHL. Each course has been pre-assigned an academic category as is required by BBHL. Internship and Practicum requirements are a part of all Family and Child Studies graduate programs, as well as a required number of prerequisites.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Samantha Carlton**
 Email: stthomas37@uco.edu
 Office: HES 100E
 Phone: 405-974-5786

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadline is no later than the first Wednesday in March.

Admission to the graduate Family and Child Studies - Marriage and Family Therapy (MFT) program is for the fall semester only.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:*
 - A preferred minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Preferred completion of the following prerequisite courses: FMCD 2213 or PTE 3133, FMCD 2223, FMCD 4413, FMCD 3313.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Three (3) letters of recommendation. Letters of recommendation are requested through the online application portal.
- Current resume.
- Personal statement/professional orientation.

*Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....18 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research OR
FMCD	5653	Research in Professional Studies
FMCD	5023	Theories in Family and Child Studies
FMCD	5043	Family Dynamics and Sexuality
FMCD	5363	Ethics & Issues in Family and Child Studies
FMCD	5373	Life Span Development in FMCD
FMCD	5543	Leadership, Comm and Advocacy

Guided Electives.....22 Hours

Course Prefix	Course No.	Course Title
FMCD	5011	Orientation to Graduate Studies
FMCD	5333	Models of MFT
FMCD	5433	Families in Crisis
PSY	5033	Cultural and Gender Diversity
PSY	5233	Psychopathology
PSY	5473	Individual Counseling
PSY	5523	Child and Adolescent Counseling
PSY	5533	Couples and Family Counseling

Internship and Practicum.....6 Hours

Course Prefix	Course No.	Course Title
PSY	5900	Practicum (300 hours) - 3 credit hours
PSY	5900	Practicum (300 hours) - 3 credit hours

TOTAL HOURS REQUIRED 46 HOURS

Program:	Library Media Education	Dept:	Advanced Professional & Special Services
Major:	Library Media Education	College:	Education and Professional Studies
Degree:	Master of Education (M.Ed.)	Major Code:	3623

Library Media Education, M.Ed. - *Exclusively Online*

The Library Media Education, M.Ed. in Library Media Education meets the requirements set forth by the Oklahoma State Department of Education for standard certification as a School Library Media Specialist for grades PK-12.

Upon completion of this specialized program, students will have developed a theoretical, philosophical and practical knowledge base and prescribed competencies upon which to enter the common school, private school, and other institutional job markets in school librarianship.

The major serves a twofold purpose: it enables students to earn an M.Ed. in Library Media Education that includes all the components for Oklahoma School Library Media Specialist Certification; and students already holding an M.Ed. must complete 24 hours of specialized course work for Library Media Specialist certification.

Completion of these degree requirements alone will not satisfy certification requirements for the Standard Library Specialist Certificate. For additional certification information see: Media Specialist Certification Preparation section of this catalog.

Graduate Admissions:	Carlie Wellington
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Phone:	405 - 974 - 5105
Coordinator/Advisor:	Dr. Tara Dalinger
Email:	tdalinger@uco.edu
Office:	LIB 130
Phone:	405 - 974 - 5886

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of graduate and undergraduate transcripts from each institute attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 3.00 overall GPA or 3.00 GPA in the last 60 hours attempted.*
- Copy of current teaching certificate. (If this is not immediately available, it must be provided prior to completion of the program).
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - Overall GPA of 3.00 or higher in all Library Media Education classes.
 - No more than six (6) hours of "C".
- Entry Interview. Complete initial entry interview with the program coordinator.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses36 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
IME	5013	Young Adult Library Resources
IME	5053	School Library Administration
IME	5063	School Library Foundations
IME	5223	Collaborative Instructional Processes
IME	5233	Children's Library Resources
IME	5333	Advanced Literature Resources
IME	5423	Library Information Retrieval Systems
IME	5453	Collection Management
IME	5533	School Library Advocacy
IME	5863	School Library Technology
IME	5883	Capstone in Library Media

TOTAL HOURS REQUIRED 36 HOURS

Program: Nutrition and Food Science **Dept:** Human Environmental Science
Major: Nutrition and Food Science **College:** Education and Professional Studies
Degree: Master of Science (M.S.) **Major Code:** 3661

Nutrition and Food Science, M.S.

The master’s degree in Nutrition and Food Science provides knowledge and skills in human nutrition, principles of food management, food science, and practice in problem solving and decision making. The curriculum encourages critical and creative thought, development of skills in human relations and communications and the value of life-long learning. The academic program is sensitive to changes in our dynamic society; it emphasizes personal and professional growth as well as research. There are diverse opportunities for the graduate in the areas of food service management, education, administration, nutritional care, and health promotion. Applicants must have either an undergraduate degree in the discipline or sufficient course work in the field to provide the background required or may complete additional undergraduate or graduate prerequisites.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Graduate Advisor (Food Science): **Dr. Kanika Bhargava**
 Email: foodsciadvicing@uco.edu
 Office: Box 118, HES 201F
 Phone: 405 - 974 - 5781

Graduate Advisor (Nutrition/Dietetics): **Dr. Tawni Holmes**
 Email: foodsciadvicing@uco.edu
 Office: Box 118, HES 100E
 Phone: 405 - 974 - 5781

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show:
 - A minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted, and a grade of C or better in the courses listed below.
- A one- or two-page statement of purpose including career goals, previous experiences, and interest in nutrition/food science.
- Students without an undergraduate degree in nutrition, food science, or related science-based degree will be required to complete prerequisite courses at the discretion of the program advisor and at least the courses listed below.
- The following undergraduate courses or equivalent are required with a C or better AND others may be needed dependent on electives chosen and undergraduate background:

NTRN	1513	Introduction to Nutrition
NTRN	3131	Food Safety and Sanitation
NTRN	4123	Food Science and Lab

Similar courses may be substituted with permission of the Program Advisor. Students missing one or more required courses may be admitted on a conditional basis.

- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate](#)*

[Studies \(p.17\)](#).

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Maintain an overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis. If applicable, complete an acceptable thesis and successfully defend it publicly prior to the published deadlines and according to the requirements of the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements (non DI option, thesis/non-thesis)

Required Courses..... 21 hours

Course Prefix	Course No.	Course Title
NTRN	5643	Advanced Food Science*
NTRN	5663	Food Laws and Regulations*
NTRN	5713	Food Safety and Quality Management*
NTRN	5723	Functional Foods for Health*
NTRN	5223	Research Problems in Nutrition and Food Science
ESFR	5013	Foundations of Educational Research OR
FMCD	5653	Research and Professional Studies
ESFR	5383	Principles of Tests and Measurements

Electives require advisor approval and may require prerequisites.

Elective Options..... 11 hours

Course Prefix	Course No.	Course Title
NTRN	5193	Food Science
NTRN	5154	Quantity Food Production and Lab
NTRN	5212	Management of Food and Nutrition Services
NTRN	5224	Institutional Food Management and Lab
NTRN	5412	Pediatric & Prenatal Nutrition
NTRN	5422	Sports Nutrition for the Professional
NTRN	5641	Public Policy in Nutrition
NTRN	5733	Microbiological Safety of Food
NTRN	5940	Field Study in Nutrition (1-3 hours)

Program: Nutrition and Food Science
Major: Nutrition & Food Science, Dietetic Internship

NTRN	5990	Thesis (1-4 credit hours)
<i>Electives from other departments such as HLTH, MBA, GERO, AESS, ESFR and others with permission.</i>		

*Completion of these courses will satisfy the requirements to earn the Certificate in Food Safety and Quality

TOTAL HOURS REQUIRED.....32 HOURS

Nutrition and Food Science, Dietetic Internship (DI)

The Dietetic Internship prepares students to take the registration examination of the Commission on Dietetics Registration.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted for admission to the graduate program.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).

Submit the following items to:

Dietetic Internship Director
 100 N. University Drive, Box 118 HES
 Edmond, OK 73034

- Official transcripts with an undergraduate degree showing a minimum GPA of 3.00 in the last 60 hours of course work and no D's or F's in required courses,
- and a Verification Statement from an ACEND-Accredited Didactic Program in Dietetics (DPD) for admission to the Dietetic Internship.

Applicants will be ranked on a point system for acceptance due to internship size limitations. The University of Central Oklahoma participates in the computer-matching process sponsored by the Academy of Nutrition and Dietetics. Application to the Dietetic Internship is required separate from and in addition to admission to the graduate college.

For information regarding application to the Dietetic Internship see requirements at: <https://www.uco.edu/programs/jcgs/ceps/master-of-science-in-nutrition-and-food-science-dietetic-internship>. Graduate courses for those accepted into the Dietetic Internship will be as follows.

Graduation Requirements (Dietetic Internship section)

Required courses for Dietetic Internship (DI)12 Hours

Required courses for DIs who already have a graduate degree or do not wish to complete the M.S. degree.....12 Hours

Course Prefix	Course No.	Course Title
NTRN	5322	Nutrition Assessment
NTRN	5523	Counseling in Dietetics
NTRN	5641	Public Policy in Nutrition
NTRN	5950	Internship (6 hours)

Additional Requirements

Additional required courses for DIs completing the M.S. degree.....8 Hours

Course Prefix	Course No.	Course Title
NTRN	5643	Advanced Food Science
NTRN	5892	Advanced Clinical Nutrition
ESFR	5013	Foundations of Educational Research OR
FMCD	5653	Research and Professional Studies

Additional Electives

Additional elective courses for DIs completing the M.S. degree.....12 Hours

Choose 12 hours of which at least 4 must be from NTRN.

Course Prefix	Course No.	Course Title
GERO	5443	Biology of Human Aging OR
GERO	5213	Health and Social Services for Seniors
GERO	5363	Psychology of Aging
NTRN	5212	Management of Food and Nutrition Services
NTRN	5412	Pediatric and Prenatal Nutrition
NTRN	5422	Sports Nutrition for the Professional
NTRN	5663	Food Laws and Regulations
NTRN	5713	Food Safety and Quality Management
NTRN	5723	Functional Foods for Health
NTRN	5733	Microbiological Safety of Food
ESFR	5383	Principles of Tests and Measurements
<i>Electives from other departments such as HLTH, MBA, GERO, AESS, ESFR and others with permission.</i>		

TOTAL HOURS for DI and MS 32 HOURS

Program: Psychology **Dept:** Psychology
Major: Psychology - Experimental Psychology **College:** Education and Professional Studies
Degree: Master of Science (M.S.) **Major Code:** 3813

Psychology--Experimental Psychology, M.S.

The master’s degree in Experimental Psychology is a flexible degree program that prepares students for doctoral study in psychology and related fields and for specialized, research-oriented occupations. The Experimental major requires a minimum of 37 graduate credit hours. In addition to the core courses required for all M.S. students, Experimental majors must also enroll in PSY 5273 Perception and Action and PSY 5383 Multivariate Analysis in Psychology plus additional course work as required by the advisory committee. Students must submit a thesis in partial fulfillment of their degree requirements. Each student’s advisory committee constitutes the reading committee for the master’s thesis. The master’s thesis is an original, independent, experimental research project with the potential for publication in a scholarly journal. Consult the publication manual of the American Psychological Association for clarification of what qualifies as research in experimental psychology and for guidance regarding the design and reporting of psychological science research.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Mickie Vanhoy**
 Email: mvanhoy@uco.edu
 Office: OLN 111B
 Phone: 405 - 974 - 5460

Experimental Psychology major. Students are admitted separately to the graduate college and to the specific academic major/program.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/). Application deadline is January 15 for fall semester admissions and August 15 for spring or summer admission.
- Official copies of graduate and undergraduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:*
 - A minimum 2.75 GPA AND a minimum 3.0 in the student’s major, or in the 60 hours attempted.
 - Completion of 21 undergraduate hours in psychology including a course in Advanced Statistics: SPSS or an equivalent course.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- A preferred GRE score of at least 290 on the combined verbal reasoning and quantitative sections and a minimum of 3.5 on the analytical writing section (scores above the median strongly preferred).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

- A personal statement describing the student’s research interests and prior research experiences for use in identifying potential thesis mentors (maximum 500 words) should accompany the application.
- Two letters of recommendation that describe the applicant’s academic preparation, research potential, and readiness for graduate school should accompany the application. Letters of recommendation are requested through the online application portal.

Note: Please understand that admission to the Jackson College of Graduate Studies (JCGS) does not guarantee admission to the

Other Requirements

- Plan of Study. Each student must file a plan of study with the Jackson College of Graduate Studies in the first semester. The plan must be signed and dated by the student and graduate program coordinator before it is considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis. Each student must enroll in PSY 5990 in the final semester, complete an acceptable thesis, successfully defend it in public, provide the required materials to the graduate college, and archive it according to JCGS guidelines.
- Final Requirements. Apply for graduation through the JCGS by the posted deadline.

Graduation Requirements

Required Courses.....37 Hours

Core Psychology Coursework.....18 Hours

Course Prefix	Course No.	Course Title
PSY	5143	Advanced Developmental Psychology
PSY	5193	Experimental Design
PSY	5623	Theories of Personality
PSY	5563	Advanced Social Psychology

continued...

Program: Psychology
Major: Psychology - Experimental Psychology continued

PSY	5633	Advanced Cognition
PSY	5783	Behavioral Neuroscience

Experimental Psychology Required Coursework..... 18 Hours

Course Prefix	Course No.	Course Title
PSY	5383	Multivariate Analysis w/SPSS
PSY	5273	Perception and Action
Plus 12 hours additional approved graduate courses		

Capstone Experience 1 Hour

Course Prefix	Course No.	Course Title
PSY	5990	Thesis

TOTAL HOURS REQUIRED 37 HOURS

Accelerated Degree Pathway: BS to MS

Students expecting to graduate with an undergraduate degree in Psychology from UCO may apply during the last semester of their junior year (or within 30 hours of graduation) for application to the Accelerated Degree Program in Psychology — Experimental Psychology M.S. if they have a 3.0 overall GPA. If accepted to the Accelerated Degree Program, students may take up to 9 graduate hours during their senior year that will count toward both the Psychology bachelor's degree as upper-elective credits as well as the Psychology — Experimental Psychology M.S. degree. The following graduate courses are approved for dual credit: PSY 5623, 5383, 5273, 5193, and 5143.

Program:	Psychology	Dept:	Psychology
Major:	Psychology - Forensic Psychology	College:	Education and Professional Studies
Degree:	Master of Science (M.S.)	Major Code:	3812

Psychology - Forensic Psychology, M.S.

The master's degree in Forensic Psychology prepares students for careers in intelligence analysis and criminal investigation at the local, state, and federal levels of law enforcement. The program emphasizes scientific research in experimental psychology and applications to forensics issues. This is a non-clinical program that trains students in quantitative methods of scientific inquiry.

The Forensic Psychology major requires a minimum of 37 graduate credit hours. In addition to the core courses required for all Psychology M.S. students, a student exercising the Forensic Psychology major must also enroll in the Forensic Psychology course work and additional course work as required by the advisory committee. A student enrolled in this major must submit a thesis in partial fulfillment of their degree requirements. The student's advisory committee, with the addition of one faculty member from outside the department, will constitute the reading committee for the master's thesis. The member from outside the department will, at the request of the student, be appointed by the graduate dean along with confirmation of the total committee as the thesis is begun. The master's thesis is a research project which has the potential for publication in a psychological journal. For clarification of what qualifies as research in the field of psychology and for matters of concern regarding the design and reporting of research, the student is referred to the publication manual of the American Psychological Association.

Graduate Admissions:	Carlie Wellington
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Office:	Box 106, EDU 225
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Coordinator/Advisor:	Dr. Alicia Limke-McLean
Email:	alimke@uco.edu
Office:	OLN 111A
Phone:	405 - 974 - 5454

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Admission to the Graduate Forensic Psychology Program is for **Fall semester only**. Application **Deadline is January 15**. Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimum 2.75 GPA AND a minimum 3.0 in the student's major, or in the 60 hours attempted.
 - Completion of 21 undergraduate hours in psychology including a course in Advanced Statistics: SPSS or an equivalent course and FRSC 2503.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Graduate Record Examination scores.
 - A preferred GRE score of at least 290 on the combined verbal reasoning and quantitative sections and a minimum of 3.5 on the analytical writing section. Combined verbal reasoning and quantitative scores above the median are strongly preferred.
- A personal statement describing the student's academic interests and prior academic experiences for use in identifying potential capstone mentors (maximum 500 words) should accompany the application.
- Two letters of recommendation that describe the applicant's academic preparation, research potential, and readiness for graduate college should accompany the application. Letters of recommendation are requested through the online application

portal.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Students must complete a plan of study during their first semester, which they must then file immediately with the Jackson College of Graduate Studies (JCGS). The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Students must meet the following course work standards:
 - Overall GPA of 3.00 or higher; and
 - No more than six (6) hours of "C" shall be applied to the degree; and
 - No grade below "C" will be applied to the degree requirements.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis. Enroll in PSY 5990, complete an acceptable Thesis, and successfully defend it in public in accordance with the guidelines of the Jackson College of Graduate Studies.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

continued...

Program: Psychology
Major: Psychology - Forensic Psychology continued

Graduation Requirements

Core Psychology Coursework..... 18 Hours

Course Prefix	Course No.	Course Title
PSY	5143	Advanced Developmental Psychology
PSY	5193	Experimental Design
PSY	5623	Theories of Personality
PSY	5563	Advanced Social Psychology
PSY	5633	Advanced Cognition
PSY	5783	Behavioral Neuroscience

Forensic Psychology Required Coursework 18 Hours

Course Prefix	Course No.	Course Title
PSY	5183	Psychology and Law
PSY	5383	Multivariate Analysis w/SPSS
FRSC	5863	Expert Witness
FRSC	5223	Behavior and Crime Scenes
FRSC	5233	Forensic Interview Techniques
FRSC	5XX3	Elective

Capstone Experience 1 Hour

Course Prefix	Course No.	Course Title
PSY	5990	Thesis

TOTAL HOURS REQUIRED 37 HOURS

Accelerated Degree Pathway: BS to MS

Students expecting to graduate with an undergraduate degree in Psychology from UCO may apply during the last semester of their junior year (or within 30 hours of graduation) for application to the Accelerated Degree Program in Psychology — Forensic Psychology M.S. if they have a 3.0 overall GPA. If accepted to the Accelerated Degree Program, students may take up to 9 graduate hours during their senior year that will count toward both the Psychology bachelor’s degree as upper-elective credits as well as the Psychology — Forensic Psychology M.S. degree. The following graduate courses are approved for dual credit: PSY 5623, 5383, 5653, 5193, and 5143.

Program:	Psychology	Dept:	Psychology
Major:	Psychology - General Psychology	College:	Education and Professional Studies
Degree:	Master of Science (M.S.)	Major Code:	3811

Psychology - General Psychology, M.S.

The Master of Science in General Psychology is a 32-hour degree that is designed to meet the needs of a wide variety of students. This degree would be ideal for the student who desires a graduate degree for career advancement in the business world, or for the student who already has a master's degree but is returning to take additional hours for certification or licensure in the mental health or school services fields. The 32-hour M.S. would also be appropriate for those who wish to obtain more advanced knowledge in psychology but do not necessarily want to become a counselor or complete a thesis.

The General Psychology major requires the same core courses as the other options yet has more opportunity for elective coursework and course substitutions.

Graduate Admissions:	Carlie Wellington
Email:	cwellington@uco.edu
Office:	BOX 106, EDU 225
Phone:	405 - 974 - 5105
Coordinator/Advisor:	Dr. Jaclyn Maass
Email:	jmaass1@uco.edu
Office:	OLN 102A
Phone:	405 - 974 - 5709

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/). Applications are accepted on a rolling basis but must be submitted at least two months prior to the start of the semester for which you are applying. Exceptions to this deadline may be made by the program on a case-by-case basis.
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimum 2.75 GPA overall AND a minimum 3.0 in the student's major or in the last 60 hours attempted.
 - Completion of 21 undergraduate hours in psychology including a course in Advanced Statistics: SPSS or an equivalent course.
- A personal statement describing the student's academic interests and prior academic experiences for use in identifying potential capstone mentors (maximum 500 words) should accompany the application.
- A letter of recommendation that describes the applicant's academic preparation, research potential, and readiness for graduate college should accompany the application. Letters of recommendation are requested through the online application portal.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- A preferred GRE score of at least 290 on the combined verbal reasoning and quantitative sections and a minimum of 3.5 on the analytical writing section. The program will consider waiving the GRE score requirement on a case-by-case basis.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year)
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must complete a plan of study with their graduate program advisor and file it immediately with the Jackson College of Graduate Studies (JCGS.) The plan must be signed and dated by the student and the program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....18 Hours

Course Prefix	Course No.	Course Title
PSY	5143	Advanced Developmental Psychology
PSY	5193	Experimental Design
PSY	5623	Theories of Personality
PSY	5563	Advanced Social Psychology
PSY	5633	Advanced Cognition
PSY	5783	Behavioral Neuroscience

General Electives.....12 Hours

Course Prefix	Course No.	Course Title
12 hours of elective graduate Psychology courses		

continued...

Program: Psychology
Major: Psychology - General Psychology continued

Capstone Experience 2 Hours

Course Prefix	Course No.	Course Title
PSY	5980	Graduate Project

TOTAL HOURS REQUIRED 32 HOURS

Accelerated Degree Pathway: BS to MS

Students expecting to graduate with an undergraduate degree in Psychology from UCO may apply during the last semester of their junior year (or within 30 hours of graduation) for application to the Accelerated Degree Program in Psychology - General Psychology, M.S. if they have a 3.0 overall GPA. If accepted to the Accelerated Degree Program, students may take up to 9 graduate hours during their senior year that will count toward both the Psychology bachelor's degree as upper-level elective credits as well as the Psychology - General Psychology, M.S. degree. The following graduate courses are approved for dual credit: PSY 5623, 5193, 5143, and a 3 hour - 5000-level Psychology elective.

Program:	Public Health	Dept:	Kinesiology & Health Studies
Major:	Public Health - Community Engagement	College:	Education and Professional Studies
Degree:	Master of Public Health (M.P.H.)	Major Code:	3800

Public Health - Community Engagement, M.P.H.

The M.P.H. in Community Engagement is rooted in the institution mission: "The University of Central Oklahoma (UCO) exists to help students learn by providing transformative education 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." As students address health promotion for the metro and state through community engagement, they actively incorporate ethics, creativity, and civic engagement in their work, allowing for transformational experiences for both themselves and the community in which they work. This program intentionally partners with community organizations in order to fill gaps and advance the health of all.

Graduate Admissions: **Carlie Wellington**

Email: cwellington@uco.edu

Office: BOX 106, EDU 225

Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. J. Sunshine Cowan**

Email: jcowan1@uco.edu

Office: WAH 12

Phone: 405 - 974 - 5238

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies

100 N. University Drive, NUC 404

Edmond, OK 73034

- Admission to the Public Health - Community Engagement program is for fall and spring semesters only.
- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.*
- A current resume and a one or two page career goals statement that includes a research area of interest in public health is required with the application.
- Students must submit three letters of recommendation. At least one letter must be from a prior faculty member who can speak to the student's academic performance. Letters of recommendation are requested through the online application portal.
- An interview with the Public Health Admissions Committee.
- Students without an undergraduate degree in Public Health or a related field will be required to successfully complete a no charge, non-credit online foundational module during their first semester in the program. Module content will be developed by program faculty and completed materials will be reviewed by a faculty committee.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see Accelerated Degree Pathways on p.196).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year)
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Capstone. The successful completion of an oral comprehensive exam is required in the final semester in order to graduate. A committee comprised of two faculty and one public health professional in the field will provide questions and feedback on the oral comprehensive exam, and faculty will score the exam against an established rubric.
- Thesis. If applicable, complete an acceptable thesis and successfully defend it publicly, submit two paper copies of the thesis to the library and one electronic copy to the library through Proquest, and submit the thesis' title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Program: Public Health
Major: Public Health - Community Engagement

Graduation Requirements

Required Courses.....36 Hours

Course Prefix	Course No.	Course Title
HLTH	5113	Foundations of Public Health - Block Course
^HLTH	5223	Contemporary Issues in Public Health - Block Course
HLTH	5900	Practicum: Community Engagement (3 hours)
^HLTH	5333	Health Equity & Determinants of Health - Block Course
HLTH	5433	Quantitative Methods - Block Course
^HLTH	5443	Resource Management in Public Health-Block Course
HLTH	5463	Epidemiological Methods - Block Course
HLTH	5313	Program Planning & Evaluation in Public Health - Block Course
HLTH	5533	Public Health Policy & Ethics - Block Course
HLTH	5633	Qualitative Methods - Block Course
+ HLTH	5833	Community Engagement
HLTH	5980	Graduate Project (3 hours)

^ Accelerated Option Credits apply to BS and MPH degree

+ Capstone: students will work in interprofessional teams while applying systems thinking tools to a public health issue

Electives6 Hours

TOTAL HOURS REQUIRED 42 HOURS

Accelerated BS to MPH

UCO's MPH (Master of Public Health) in Community Engagement has partnered with the B.S. in Public Health so that approved students may take up to nine credit hours of 5000-level MPH courses during their senior year of the B.S. program. These courses will count toward the B.S. and M.P.H. degrees. A formal application to the M.P.H. Community Engagement program and an approval from the Department of Kinesiology & Health Studies are required. Requirements for the MPH program are located in the UCO *Graduate Catalog* under Public Health - Community Engagement (MPH). Up to nine (9) hours of the following courses can be used to satisfy both the B.S. and M.P.H. degrees: HLTH 5223 Contemporary Issues in Public Health, HLTH 5333 Health Equity, and HLTH 5443 Leadership and Management in Public Health.

Program: Reading **Dept:** Advanced Professional & Special Services
Major: Reading **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3740

Reading, M.Ed.

The Master of Education in Reading curriculum is designed to meet the International Literacy Association’s Standards for the Preparation of Literacy Professionals 2017. Candidates completing the degree requirements will be eligible to apply for PreK-12 Certification as a Reading Specialist, as outlined by the Oklahoma State Department of Education. A graduate curriculum in Reading uses multiple educational settings to prepare students for positions as reading consultants, reading teachers in public and private education, remedial reading teachers, reading clinicians, directors of reading programs, reading supervisors, reading diagnosticians, reading coaches, reading interventionists, and reading coordinators.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Julie Collins**
 Email: jcollins18@uco.edu
 Office: LIB 164
 Phone: 405 - 974 - 5289

Website:
uco.edu/programs/jcgs/ceps/master-of-education-in-reading

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.
 - Completion of a course in Children’s or Adolescent Literature OR the student will need to choose one of the IME or ELED courses as their selection under Area 2, Language and Literacy, in the Professional Education section of the plan of study.
 - Completion of a 3-hour course in Reading Methods or Language Arts Methods, which must be taken before the Reading courses.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.

- Final Requirements. Apply for graduation through the JCGS by advertised deadline.
- Applicants must hold a valid Oklahoma teaching license/certification prior to completion of the program.

Graduation Requirements

Required Courses.....22 Hours

Course Prefix	Course No.	Course Title
READ	5623	Foundation & Survey of Reading
READ	5663	Theoretical Basis of Reading
READ	5712	Org. & Super. of Rdg. Progs. (must complete 2 other required courses as prereq. to this course)
READ	5813	Adolescent Literacy
READ	5843	Diag. & Correct. of Rdg. with Tier II Invervention (fall - Prereq/Coreq: READ 5623)
READ	5854	Clinical Practices in Rdg. (Prereq: READ 5863)
READ	5863	Rdg. Assess. with Tier III Invervention (Prereq: READ 5843)
READ	5900	Practicum: Classroom Field Experience (Prereq: READ 5712)

Professional Courses..... 10-12 Hours

Complete one course in each area

Course Prefix	Course No.	Course Title
Area 1		Research
ESFR	5013	Foundations of Educational Research
Area 2		Language and Literacy
ELED	5283	Language Arts and Multicultural Literature
ENG	5323	History of the English Language
ENG	5343	Linguistics
IME	5013	Young Adult Library Resources
IME	5233	Children’s Library Resources
IME	5333	Advanced Literature Resources
SPED	5102	Language Dev. in Special Education
Area 3		Measurement
ESFR	5383	Principles of Tests & Measurements
Area 4		Diversity Education
TESL	5143	Literacy Development for Multilingual Learners
TESL	5212	Cultural Linguistic Diversity in Schools
TESL	5413	Language Structure I
TESL	5962	Institute: Multicultural Education

TOTAL HOURS REQUIRED 32-34 HOURS

Program: School Counseling **Dept:** Advanced Professional & Special Services
Major: School Counseling **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3611

School Counseling, M.Ed.

The primary mission of the Master of Education in School Counseling is to prepare professional counselors who specialize in the school environment. The program prepares both master’s students and post-master’s for the School Counselor Certification examination. This is a PK-12 certification. For information on Preparation for School Counselor Certification, see the Certification Programs section of this catalog.

The UCO School Counseling Program adheres to the national standards of the American Counseling Association and the American School Counselors Association and standards of the Oklahoma State Department of Education. These standards are linked to the criteria set forth by the National Board for Certified Counselors. Meeting these standards will enable students to pursue the National Certified Counselor and the National Certified School Counselor designations. In order to promote professionalism, students are encouraged to obtain these certificates and to actively participate in professional organizations. Admission to the School Counseling program occurs Fall and Spring Semesters.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Kari Dyer**
 Email: schoolcoun@uco.edu
 Office: LIB 128
 Phone: 405 - 974 - 5448

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.*
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- A current teaching certificate or completion of 6 hours as follows: ESFR 5523 and ESFR 5533 within 12 hours of completed program coursework.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the program coordinator before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....33 Hours

Course Prefix	Course No.	Course Title
GUID	5013	Principles/Ethics School Counseling
GUID	5113	Theories & Tech of Grp. Cnsl. (Preq: GUID 5163)
GUID	5133	Multicultural Cnslg (Preq: GUID 5163)
GUID	5153	Cnsl. Interv. Strat. (Preq GUID 5163)
GUID	5163	Theories & Tech of Inv. ScI. Cnsl.
GUID	5253	Developmental School Counsel (Preq: GUID 5013 & ESFR 5153)
GUID	5443	Career Counseling (Preq: GUID 5013)
GUID	5950	Internship in School Counsel (Preq: GUID 5163, 5113, & 5153)*
ESFR	5013	Foundations of Educational Research
ESFR	5153	Adv. Dev. Psych. in Educ'l. Setting
ESFR	5383	Principles of Tests and Measurements

*GUID 5950 Internship in School Counsel. This is the last course in the program and requires permission for entry. Internship applications are available from the program coordinator. For the fall semester, an application must be in by the sixth week of the previous spring Semester: for the spring semester by the sixth week of the fall semester. Students must complete all theory courses (GUID 5163, 5113, 5153) prior to starting internships.

TOTAL HOURS REQUIRED 33 HOURS

Program: School Counseling **Dept:** Advanced Professional and Special Services
Major: School / Professional Counseling **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3613

School Counseling — School and Professional Counseling, M.Ed.

The Master of Education in School Counseling — School and Professional Counseling combines 33 hours of the necessary coursework to be eligible to take the Oklahoma School Counseling exam to become a School Counselor at the K-12 level. This program also includes the additional 27 hours required to be eligible to take the Licensed Professional Counselor exam in the state of Oklahoma. School Counselors will be better prepared to meet the challenges of mental health issues among their students and will have the option to not only work as a School Counselor but also a Licensed Professional Counselor in the public school setting or the community.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Kari Dyer**
 Email: schoolcoun@uco.edu
 Office: LIB 128
 Phone: 405 - 974 - 5448

Admission Requirements

- Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034
- Online application for admission (www.uco.edu/graduate/).
 - Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.*
 - Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
 - A current teaching certificate or completion of 6 hours as follows: ESFR 5523 and ESFR 5533 within 12 hours of completed program coursework.
**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the program coordinator before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements
Required Courses.....48 Hours

Course Prefix	Course No.	Course Title
GUID	5013	Principles/Ethics School Counseling
GUID	5113	Theories & Tech of Grp. Cnsl. (Prreq: GUID 5163)
GUID	5133	Multicultural Cnslg (Prereq: GUID 5163)
GUID	5153	Cnsl. Interv. Strat. (Prereq GUID 5163)
GUID	5163	Theories & Tech of Inv. ScI. Cnsl.
GUID	5253	Developmental School Counsel (Prereq: GUID 5013 & ESFR 5153)
GUID	5443	Career Counseling (Prereq: GUID 5013)
GUID	5950	Internship in School Counsel (Prereq: GUID 5163, 5113, 5153)*
ESFR	5013	Foundations of Educational Research
ESFR	5153	Adv. Dev. Psych. in Educ'l. Setting
ESFR	5383	Principles of Tests and Measurements
GUID	5193	Abnormal Psych for School Personnel
GUID	5213	Counselor/Ethical Consultant
GUID	5333	Individual Test Interpretation
GUID	5343	Counseling Children & Adolescents
*GUID	5900	Practicum in Prof Counsel (Prereq: GUID 5163, 5113, 5153 5193, 5213, 5333, & completed 51 hrs. of course work)

*GUID 5950 Internship in School Counsel and GUID 5900 Practicum in Prof Counsel. These should be the last courses in the program and require permission for entry. Internship and practicum applications are available from the program coordinator. For the fall semester, an application must be in by the sixth week of the previous spring Semester: for the spring semester by the sixth week of the fall semester. Students must complete all theory courses (GUID 5163, 5113, 5153).

Electives12 Hours

Course Prefix	Course No.	Course Title
SPED	5543	Counseling Families with Disabilities
SAS	5303	Substance Abuse in Special Populations
SAS	5323	Psychopharmacology & Neurobiology of Addiction
SAS	5443	Family Systems Therapy
SAS	5633	Trauma Counseling
*SAS	5910	Seminar/Secondary Special Topics

continued...

Program: School Counseling
Major: School / Professional Counseling continued

GERO	5363	Psychology of Aging
GERO	5463	Bereavement Counseling
FMCD	5043	Family Dynamics & Sexuality

*See advisor for Seminar/Special Topics enrollment information.

TOTAL HOURS REQUIRED 60 HOURS

After completion of a Master of Education degree in School and Professional Counseling, graduates meet the requirements to apply to the Oklahoma Board of Behavioral Health to take the National Counselor Exam (NCE).

Program:	School Psychology	Dept:	Psychology
Major:	School Psychology	College:	Education and Professional Studies
Degree:	Education Specialist (Ed.S.)	Major Code:	3840

School Psychology, Ed.S.

The School Psychology Program at the University of Central Oklahoma is designed to prepare school psychologists who work at the specialist level with children, youth, and families to prevent and solve individual, school and family-related problems. Our philosophy is that all children and youth have a right to maximize their personal potential, gain social competencies, and accomplish meaningful goals. We believe that prevention is the best intervention; however, when problems arise, we believe that problem solving must occur in the full light of cultural, ethnic, and family diversity with particular attention given the culture of the school in which the problem exists. The program emphasizes utilizing the full range of psychological services in schools and school-related mental health settings. The school psychologist's role is viewed as one that includes the prevention, assessment, and remediation of child and adolescent learning and behavior problems through direct and indirect services. Training is broad and provided in the context of research and highest ethical standards and adheres to the conceptual framework of the College of Education. Program objectives are based on the National Association of School Psychologists (NASP) standards for training and practice. School Psychology is accredited by NASP.

In addition to the core school psychology courses covering prevention, intervention (academic/behavior), assessment, and consultation, students also gain competencies in the area of behavior modification and can obtain national credentialing as a Board Certified Behavior Analyst through the built-in ABA courses and supervision (2000 hours). Additional mental health awareness is gained through psychopathology, counseling, ethics, and culture and diversity courses.

The coursework has been approved by the National Association of School Psychologists (NASP) to meet the coursework requirements for certification as a Nationally Certified School Psychologist (after passing the national certification exam). The completion of the Education Specialist degree is met after students complete the listed coursework (including required hours for practicums and clinic work), taking and passing the national certification exam, and completion of all internship requirements and hours.

Program Objectives

1. Use several models and methods of assessment in order to identify individual and group strengths and needs and use these models and methods as part of a systematic data collection system for evidence-based decision making.
2. Collaborate effectively with others in planning and making decisions at the individual, group, and system levels using consultation and collaboration models best suited to the situation at hand.
3. Work collaboratively with others in developing appropriate cognitive and academic goals for students with different abilities, disabilities, strengths, and needs and evaluate the effectiveness of selected interventions.
4. Use knowledge of human developmental processes to collaboratively assess and design services that will enhance the behavioral, affective, adaptive, and social skill development of students of varying abilities, disabilities, strengths, and needs as well as implement and evaluate those services.
5. Demonstrate the sensitivity and skills needed to work within various school cultures and with individuals of diverse characteristics and implement strategies selected and/or adapted based on individual characteristics, strengths, and needs.
6. Integrate knowledge of schools, regular, and special education services as well as other service delivery systems to facilitate policies and practices that create and maintain safe, supportive, and effective learning environments for children and others.
7. Use knowledge of human development, psychopathology, and associated biological, cultural, and social influences on human behavior to provide or contribute to prevention and intervention programs that promote the mental health and physical well-being of all students.
8. Work effectively with families, educators, and others in the community to promote and provide comprehensive services to children and families by using knowledge of family systems and service delivery methods that combine home, school, and community resources.
9. Evaluate research across all the fields that impact school psychology and translate good research into practice and be able to plan and conduct investigations and program evaluations needed to improve services.
10. Represent the profession of school psychology by understanding the history and foundations of the profession; knowing various service models and methods, continually upgrading professional knowledge, and maintaining a posture of practice that maintains the highest ethical, professional, and legal standards.

continued...

Program: School Psychology
Major: School Psychology continued

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Megan Purdum Larson**
 Email: mpurdum1@uco.edu
 Office: OLN 113A
 Phone: 405 - 974 - 5478

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadlines: April 15th for fall admission (with additional flexibility to extend date based on program numbers and availability)

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimum 3.00 GPA overall or 3.00 GPA in the last 60 hours attempted.
- Preferred GRE score of at least 290 on combined verbal reasoning and quantitative sections and a minimum of 3.5 on the Analytical Writing section. The admissions committee will consider waiving the GRE score on a case-by-case basis.
- Three (3) letters of recommendation. Letters of recommendation are requested through the online application portal.
- A personal statement.
- Resume.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Students will submit a plan of study, or summary of course requirements, indicating the trajectory of the sequential courses. Each year, students will enter in as a new cohort and will move through the program together. Some exceptions may be made due to potential waived courses or transfers into the program from a different major. Students must meet with an advisor and obtain approval for the proposed Plan of Study. They must then file it with the Psychology Department and subsequently with the Jackson College of Graduate Studies (JCGS). The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Maintain an overall GPA of 3.00 or higher.
 - No more than six hours of "C" will be applied to the degree requirements.

- Course Completion. Students must complete all courses, practicums, clinic experiences, and internship per program guidelines and required hours of supervision.
- Examination. Completion of national examination as set by the national accreditation of the National Association of School Psychologists (NASP).
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Course Prefix	Course No.	Course Title	Hrs
Fall - First Year			
PSY	5193	Experimental Design	3
PSY	5823	ABA I: Foundations in Behavior Analysis	3
PSY	5473	Individual Counseling	3
PSY	5722	Introduction to School Psychological Services	2
Spring - First Year			
PSY	5153	Cognitive Assessment	3
PSY	5833	ABA II: Application of Techniques in Applied Behavior	3
PSY	5883	School Based Psycho-Educational Intervention	3
PSY	5233	Psychopathology	3
Summer - First Year			
PSY	5563	Advanced Social Psychology	3
PSY	5143	Advanced Developmental Psychology	3
Fall - Second Year			
PSY	5253	Personality Psychopathology and Assessment	3
PSY	5853	ABA III: Topics in Applied Behavior Analysis	3
PSY	5893	Consultation in School Psychology	3
PSY	5773	Personnel and Program Management	3
Spring - Second Year			
PSY	5813	Diagnostic Testing Techniques	3
PSY	5863	ABA IV: Single Subject Design	3
PSY	5523	Child and Adolescent Counseling	3
PSY	5283	Crisis Prevention and Intervention in Schools	3
Summer - Second Year			
PSY	5873	Ethical Conduct and Prin ABA	3
PSY	5033	Culture and Gender Diversity	3
Fall - Third Year			
PSY	5900	Practicum I: Multi-tier Prevention and Intervention Systems	3
PSY	5900	Practicum II: Clinical Based Services	3
Spring - Third Year			
PSY	5900	Practicum III: School Psychological Services	3
Fall - Fourth Year			
PSY	5950	Internship: School Psychological Services	3
Spring - Fourth Year			
PSY	5950	Internship: School Psychological Services	3

Program: School Psychology
Major: School Psychology continued

* Students must complete a total of 1200 clock hours for Internship. Students will not graduate until these hours and all other hours of practicum and supervision are complete.

*For school psychology students completing the coursework requirements for national credentialing as a Board Certified Behavior Analyst, 2000 clock hours of supervision are required prior to eligibility to sit for the national BCBA exam. State Licensure requires course completion, passing the national exam, and completing the State of Oklahoma application for licensure (through the Department of Human Services).

TOTAL HOURS REQUIRED 74 HOURS

Program: Secondary Education **Dept:** Educational Sciences, Foundations, & Research
Major: Secondary Education **College:** Education & Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3770

Secondary Education, M.Ed.

The Secondary Education master’s degree is designed for professional educators who seek a broader cultural and professional learning experience than is possible on the undergraduate level. The curricular program enhances knowledge of content areas and specific pedagogical techniques and skills which will be required in professional work.

Students have the opportunity to study a specific curricular area; to explore the American educational system; to develop their knowledge of educational research procedures and methods, sources and formats, and critical reviews of research reports; and to prepare and defend a research proposal and its results. Some courses in this program also meet state of Oklahoma requirements for pedagogical and classroom management coursework for emergency and alternatively certified teachers.

Other areas of advanced learning include: The development of adolescence and social forces on adolescence and their implications for the classroom; student learning styles and behavior both individually and in classroom settings; and, professional relationships with students, parents, teachers, administrators, and other pertinent individuals.

Aligned to the Interstate Teacher Assessment and Support Consortium Core Teaching Standards (InTASC), the program accommodates both comprehensively trained and certified teachers with undergraduate education degrees and others holding bachelor’s degrees and seeking alternative certification. For this latter group, the program offers courses in managing classrooms, designing instruction, meeting student’s needs, and assessing students’ performances.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Karis Barnett**
 Email: kbarnett1@uco.edu
 Office: CTL 218
 Phone: 405 - 974 - 5327

- No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - Overall no more than six hours of “C”.
 - GPA of 3.00 or higher in the Core Education required courses.

Graduation Requirements

Required Courses.....17 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
ESFR	5172	Educational Sociology
ESFR	5153	Advanced Developmental Psychology
ESFR	5203	Advanced Contemporary Learning Sciences
ESFR	5383	Principles of Tests and Measurements
ESFR	5893	Capstone Research Experience

Teaching Specialty Courses15 Hours

Course Prefix	Course No.	Course Title
ESFR	5333	Meeting Students’ Needs for Secondary Students
ESFR	5523	Designing Instruction Secondary Students
ESFR	5533	Managing Secondary Classrooms
ESFR	5623	Secondary Class Assessment
Approved Electives: 3 hours		

TOTAL HOURS REQUIRED 32 HOURS

Program: Special Education **Dept:** Advanced Professional & Special Services
Major: Mild-Moderate Disabilities **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3721

Special Education, Mild-Moderate Disabilities, M.Ed

The specific goal of the Special Education master’s degree is to provide specialized training in the areas of mild-moderate disabilities and severe-profound/multiple disabilities. This goal includes the following objectives:

1. The program will provide training that meets academic and practicum competencies required by the Oklahoma Commission on Teacher Preparation and the National Council for Exceptional Children.
2. The program will provide graduate students opportunities to become reflective, responsive, and resourceful in meeting the academic, behavioral, emotional, and social needs of the specific area of specialization selected.
3. The program will provide experiences for graduate students to develop in them the ability to facilitate learning through implementation of various teaching strategies, manage classrooms and behavior, assess academic levels, plan individualized education programs, provide service to the community, and conduct relevant research.

The graduate program in mild-moderate disabilities is designed to offer advanced study to those students interested in infants, early childhood, elementary, middle, secondary, and adult education of students with mild/moderate needs.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Mansur Choudry**
 Email: mchoudry@uco.edu
 Office: LIB 134
 Phone: 405 - 974 - 5281

Certification Requirements

Teacher certification is not a graduation requirement, but it is a requirement to teach in the public schools and many private schools. The Special Education, M.Ed. Mild/Moderate program recommends its graduates for certification examinations once they have completed their major support courses and professional education courses and pass the OGET, the OPTE, and the Oklahoma Subject Area Test in Mild-Moderate Disabilities.

Certified special education graduates wishing to teach in any of the core academic subjects, must become “highly qualified” in their core academic subject area within two years of the date of employment. These areas include: Early Childhood or Elementary Education or Middle or Secondary Education in Math or Science or Language Arts. To obtain highly-qualified status, teachers must pass an examination in the appropriate subject area. Special educators may choose to co-teach or teach non-core courses instead of obtaining highly-qualified status.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.
 - Completion of either SPED 4123 or SPED 5123.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....22 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
READ	5833	Diagnosis/Intervention in Reading
SPED	5012	Lang. Development in Special Education
SPED	5212	Legal Aspects in Special Education
SPED	5232	Educational Strategies Young Child Disab.
SPED	5303	Assessing the Exceptional Individual
SPED	5443	Behavior/Classroom Management
SPED	5452	Curriculum Modification/Assistive Tech.
SPED	5582	Secondary Special Education

Guided Electives.....15 Hours

Course Prefix	Course No.	Course Title
SPED	5242	Foundations of Mild-Moderate Disabilities
SPED	5653	Procedures of Mild-Moderate LD
SPED	5743	Procedures for Mild-Mod. E/B Disorder
SPED	5763	Procedures for Mild-Moderate ID
SPED	5842	Curriculum Dev. for Mild-Mod Disabilities
SPED	5900	Practicum in SPED (Mild-Mod) - 1 credit hour
SPED	5900	Practicum in SPED (E/B Disab.) - 1 credit hour

TOTAL HOURS REQUIRED 37 HOURS

Program: Special Education **Dept:** Advanced Professional & Special Services
Major: Special Education, Severe-Profound/Multiple Disabilities **College:** Education and Professional Studies
Degree: Master of Education (M.Ed.) **Major Code:** 3722

Special Ed., Severe/Profound/Multiple Disabilities, M.Ed.

The specific goal of the Special Education master’s degree is to provide specialized training in the areas of mild-moderate disabilities and severe-profound/multiple disabilities. This goal includes the following objectives:

1. The program will provide training that meets academic and practicum competencies required by the Oklahoma Commission on Teacher Preparation and the National Council for Exceptional Children.
2. The program will provide graduate students opportunities to become reflective, responsive, and resourceful in meeting the academic, behavioral, emotional, and social needs of the specific area of specialization selected.
3. The program will provide experiences for graduate students to develop the ability to facilitate learning through implementation of various teaching strategies, manage classrooms and behavior, assess academic levels, plan individualized education programs, provide service to the community, and conduct relevant research.

The graduate program in severe-profound/multiple disabilities is designed to offer advanced study to those students interested in infants, early childhood, elementary, middle, secondary, and adult education of students with severe-profound/multiple needs. The program provides practicum experiences with children with disabilities in various settings.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Mansur Choudry**
 Email: mchoudry@uco.edu
 Office: LIB 134
 Phone: 405 - 974 - 5281

Certification Requirements

Teacher certification is not a graduation requirement, but it is a requirement to teach in the public schools and many private schools. The Special Education, M.Ed. Severe/Profound program recommends its graduates for certification examinations once they have completed their major support courses and professional education courses and pass the OGET, the OPTE, and the Oklahoma Subject Area Test in Severe-Profound Disabilities.

A certified special education graduate wishing to teach in any of the core academic subjects, must become “highly qualified” in a core academic subject area. These areas include: Early Childhood or Elementary Education or Middle or Secondary Education in Math or Science or Language Arts. To obtain highly-qualified status, teachers must pass an examination in the appropriate subject area. Special educators may choose to co-teach or teach non-core courses instead of obtaining highly-qualified status.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted.
 - Completion of either SPED 4123 or SPED 5123.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....22 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
READ	5833	Diagnosis/Intervention in Reading
SPED	5012	Lang. Development in Special Education
SPED	5212	Legal Aspects in Special Education
SPED	5232	Educational Strategies Young Child Disab.
SPED	5303	Assessing the Exceptional Individual
SPED	5443	Behavior/Classroom Management
SPED	5452	Curriculum Modification/Assistive Tech.
SPED	5582	Secondary Special Education

Guided Electives.....15 Hours

Course Prefix	Course No.	Course Title
SPED	5252	Foundations of S/P Disabilities
SPED	5693	Procedures for S/P Physical/Multi. Disab.
SPED	5753	Procedures for S/P E/B Disorder
SPED	5773	Procedures Severe/Profound ID
SPED	5852	Curriculum Dev. for S/P Dis.
SPED	5900	Practicum in SPED (S/P Multi Dis.) - 1 credit hr
SPED	5900	Practicum in SPED (E/B Disab.) - 1 credit hr

TOTAL HOURS REQUIRED 37 HOURS

Program:	Speech-Language Pathology	Dept:	Advanced Professional & Special Services
Major:	Speech-Language Pathology	College:	Education and Professional Studies
Degree:	Master of Science (M.S.)	Major Code:	3730

Speech-Language Pathology, M.S.

The master's degree in Speech-Language Pathology is designed to complete the academic and practical preparation of individuals seeking the professional credentials for working with persons who exhibit disordered communication, including prevention and treatment. The program is designed to prepare individuals to serve in a variety of professional settings and with a variety of populations. The program offers a professional speech-language pathology degree that will provide graduate students with the knowledge, skills and clinical education necessary to satisfy requirements for the Oklahoma State Department teaching certificate, the Oklahoma Board of Examiners license, and the American Speech-Language-Hearing Association Certificate of Clinical Competence in Speech-Language Pathology. This program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association*. Program objectives are met by insuring students meet the [ASHA 2020 Certification Standards](#)

Basic courses in normal and disordered human communication completed either as part of the undergraduate major or as graduate prerequisites, must precede application for admission to the graduate program. Specific prerequisite requirements are elaborated in the [Speech-Language Pathology Graduate Program Application Packet](#) linked through the [SLP Admissions webpage](#) and include required prerequisites to apply and undergraduate courses required to meet ASHA certification standards. Upon admission to the graduate program, students complete graduate level courses and any undergraduate deficiencies to further their understanding of normal and disordered human communication. Students must accumulate a minimum number of practicum clock hours and demonstrate competencies in prevention, assessment, and treatment across a variety of disorders, settings, and populations. The Speech-Language Pathology graduate program consists of six consecutive, sequential semesters, beginning in the summer semester. Completion of this degree requires 400 clinical clock hours and 50 academic graduate hours.

Application Deadline: January 31 to be considered for the following summer semester.

Graduate Admissions:	Carlie Wellington
Email:	cwellington@uco.edu
Office:	BOX 106, EDU 225
Phone:	405 - 974 - 5105
Coordinator/Advisor:	Dr. Delayna Gary
Email:	dgary@uco.edu
Office:	Box 80, LIB 162
Phone:	405 - 974 - 5404

Admission Requirements

Admission to the Speech-Language Pathology Graduate Program is competitive. Due to the requirements of the clinical program, only a finite number of students will be admitted into the program each year. Admission rates and characteristics of admitted students can be found under [Student Outcomes Data](#) on the [SLP webpage](#). Candidates must also understand that Speech-Language Pathology is an allied health and educational profession that may require additional immunizations and background checks.

Application deadline: Postmark on or before January 31.

Application to this program requires two-part applications process.

Part 1: Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisites or equivalents:
 - ENG 1113 English Composition
 - ENG 1213 English Composition and Research
 - BIO 1114 General Biology **OR**
 - BIO 1404 Animal Biology & Laboratory

- PHY 1014 University Physical Science **OR**
 - Introductory Chemistry and Lab
- STAT 2103 Intro Statistics for Sciences **OR**
 - STAT 2113 Statistical Methods
- Six hours of Behavioral/Social such as
 - PSY 1103 General Psychology (sociology, anthropology, or public health)
- SLP 4003 Foundations of Speech-Language Pathology
- SLP 4014 Normal Language Development
- SLP 4054 Language Disorders
- SLP 4143 Acoustic Phonetics
- SLP 4223 Audiology
- SLP 4673 Speech Sound Disorders
- SLP 4724 Speech and Hearing Mechanisms
- SLP 4252 Neuroscience in Speech-Language Pathology

A minimum GPA of 3.00 with no grade below a "C" is required in SLP prerequisite courses. For course content please see the Speech-Language-Pathology [UCO Course Descriptions](#). Candidates with deficient prerequisite course(s) must be enrolled in the course(s) at the time of application and, if admitted to the program, must satisfactorily complete the course(s) (as outlined above) prior to start of the first graduate course. For students seeking licensure, any other deficiencies in required undergraduate courses, which may include Voice Disorders, Fluency Disorders, Aural Rehabilitation, and Science of Behavior Change in SLP, will be added to the Graduate Degree Plan upon admission.

Part 2: Submit the following items to the online application portal.

- [Graduate Program Application Packet](#), including all documentation stipulated therein.
- Three (3) Letters of Recommendation from academic professors, two must be SLP/CSD professors (Letters of recommendation are requested through the online application portal. Additional information on letters of recommendation requirements can be found in the SLP application packet.)

continued...

Program: Speech-Language Pathology
Major: Speech-Language Pathology continued

- A personal statement describing your interest and goals in Speech-Language Pathology--see application instructions.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Only completed application files will be considered for admission. Once all application materials have been reviewed and interviews conducted (optional for applicants with completed application files), the program director will notify applicants of admission status. All acceptances or rejections of offers to attend the UCO Speech-Language Pathology Graduate Program must be submitted by the deadline date, April 15th. Pending any openings after that date, alternates will be notified of any change in status. Only after being accepted and admitted to the Speech-Language Pathology Graduate Program will the Jackson College of Graduate Studies (JCGS) complete the student application for admission as a graduate student. It is important to remember that this is a competitive process as we have more applicants than positions available.

Post Admission Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than three course grades of "C", regardless of hours.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.
- Practicum. Training in the Speech-Language Pathology program requires five semesters of practicum. During practicum, students provide services to a diverse clientele in approved settings. Initial practicum meetings are held prior to each semester's practicum placement and weekly throughout each semester to provide information to students about the practicum and provide ongoing support and information concerning clinical issues. All students enrolled in practicum must attend stated practicum meetings.
- Before a student may be placed in an off-campus medical or educational practicum setting he/she must have achieved a "B" or higher in the practicum course immediately prior.

Practicum Requirements

Once accepted to both the program and the Jackson College of Graduate Studies (JCGS), students must complete a number of professional requirements and obligations that may incur costs.

Requirements:

1. Completed and documented 25-30 hours of observation of Speech-Language Pathology clinical services.
2. Pass the UCO Bloodborne Pathogen Training.
3. Purchase Student Liability Insurance (Estimate of \$30 annually).

4. Complete TB testing and immunization requirements (TB, MMR, Hep B, Varicella, Flu). See the UCO Speech-Language Pathology Student Handbook for more information. (Estimate \$300 to \$900).
5. Complete an OSBI background check - completed when indicated by the Clinical Director. (Estimated range from \$40 to \$70).
6. Complete Drug Testing (Estimate range from \$59 to \$125) - completed when indicated by the Clinical Director.
7. Current CPR certification as an American Heart Association Health Care Provider, completed when indicated by the Clinical Director. (Estimate \$49).

It is the student's responsibility to complete all medical testing and immunization as directed by the Clinical Director. It is the student's responsibility to provide transportation to off-campus clinical sites, doctor offices, hospitals, and educational seminars related to clinical education. Access to transportation is required to complete the clinical courses and is estimated at approximately \$150 per semester.

Graduation Requirements

Required Courses.....50 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
SLP	5112	Speech Hearing Science
SLP	5111	Speech Hearing Science Lab
SLP	5232	Comm. Disorders Infant/Toddler
SLP	5243	Diagnostic Methods in SLP
SLP	5252	Advanced Normal Lang. Development
SLP	5262	Advanced Language Disorders
SLP	5202	Written Language Devel & Disord
SLP	5282	Motor Speech Disorders
SLP	5224	Neurogenic Communication Disorders
SLP	5302	Augmentative Communication
SLP	5332	Legal Aspects in SLP
SLP	5343	Dysphagia
SLP	5352	Craniofacial Anomalies
SLP	5422	Professional Issues in SLP
SLP	5151	IPE I
SLP	5161	IPE II
SLP	5900	Practicum (minimum 5 hours)
SLP	5900	Practicum (Public School - 3 credit hours)
SLP	5900	Practicum (Medical Setting - 4 credit hours)
SLP	5950	Internship - Evaluating Clinical Effectiveness (2 credit hours)

TOTAL HOURS REQUIRED 50 HOURS

*The Master of Science (M.S.) education program in Speech-Language pathology (residential) at the University of Central Oklahoma is accredited by the **Council on Academic Accreditation in Audiology and Speech-Language Pathology** of the American Speech-Language-Hearing Association, 2200 Research Boulevard #310, Rockville, Maryland 20850, 800-498-2071 or 301-296-5700.

Program: Talent Development and Workplace Learning
Major: Talent Development
Degree: Master of Education (M.Ed.)

Dept: Adult Education and Safety Science
College: Education and Professional Studies
Major Code: 3861

Talent Development and Workplace Learning – Talent Development, M.Ed.

This master’s degree program prepares learners to excel in various business training and government service-oriented environments, career technology education, corporate training, and non-profit community services programs. The curriculum integrates practices and theories from adult education, human resources, training, and organizational development. Students acquire highly transferable skills such as:

- Designing inclusive workplace learning and teaching strategies
- Developing effective curriculum
- Leading and implementing learning initiatives
- Cultivating a positive organizational climate and culture

A graduate in this major will have the essential knowledge, skills, and mind-set to serve as a professional wherever continuing education is valued: Talent Development, Training, Instructional Design, Virtual Learning, Coaching and Mentoring, Learning Management, Human Resources, Managing Non-Profit Education

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: Box 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Ed Cunliff**
 Email: ecunliff@uco.edu
 Office: CTL 221
 Phone: 405 - 974 - 2972

- Overall GPA of 3.00 or higher;
- Passing all core courses with at least a “B”, and having no more than six credit hours of “C”.
- No more than six advisor-approved hours from traditional correspondence courses.
- Complete writing assessment with passing score during first semester.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of graduate and undergraduate transcripts from each institute attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 overall GPA or 2.75 GPA in the last 60 hours attempted.*
- Submit a personal statement along with the application. This is a short essay to introduce yourself, discuss your career goals and interest in our program. This statement is limited to two pages in length.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be official.
- After admissions and before enrollment in the first semester, each student must make an appointment with their advisor to discuss course enrollment. ADED 5031 Introduction to Adult and Higher Education, must be taken the first semester.
- Academic Standards. Meet the following course work standards:

Graduation Requirements

Experience A: Professional Foundations..... 10 Hours

Course Prefix	Course No.	Course Title
ADED	5031	Introduction to Adult and Higher Education
ADED	5423	Evaluation & Analysis of Learning Strategies and Programs
ADED	5483	Contemporary Issues in Talent Development and Workplace Learning
ADED	5823	The Adult Learner

Experience B: Developing Strategies 12 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research
ADED	5233	Learner-Centered Design & Implementation
ADED	5333	Motivational Concepts
ADED	5623	Innovative Technology in Adult Education

Experience C: Activating Solutions 12 Hours

Course Prefix	Course No.	Course Title
ADED	5073	Managing Talent Development and Workplace Learning Programs
ADED	5163	Leadership and Organizational Communication
ADED	5323	Coaching and Mentoring Adult Learners
ADED	5893	Capstone in Talent Development and Workplace Learning

TOTAL HOURS REQUIRED 34 HOURS

Program: Wellness Management **Dept:** Kinesiology & Health Studies
Major: Wellness Management - Exercise Science **College:** Education and Professional Studies
Degree: Master of Science (M.S.) **Major Code:** 3670

Wellness Management - Exercise Science, M.S.

The Master of Science in Wellness Management with an emphasis in Exercise Science is designed to prepare the student to promote and manage healthy and active lifestyles. It is designed to provide to the corporate, industrial, recreational, educational, and medical settings trained personnel who are capable of conducting adult physical fitness testing and developing personal fitness training programs that involve exercise and physical activity. The student will gain knowledge in the core foundation, exercise prescription for normal and special populations, wellness management, administrative tasks, professional development, and practical experience.

Graduate Admissions: **Carlie Wellington**
 Email: cwellington@uco.edu
 Office: BOX 106, EDU 225
 Phone: 405 - 974 - 5105

Coordinator/Advisor: **Dr. Jacilyn Olson**
 Email: jolson3@uco.edu
 Office: CTL 226
 Phone: 405 - 974 - 5681

- Thesis. If applicable, complete an acceptable thesis and successfully defend it publicly, submit two paper copies of the thesis to the library and one electronic copy to the library through Proquest, and submit the thesis' title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Admission to the Wellness Management-Exercise Science program is for **Fall Semester only**.
- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.75 GPA overall or 2.75 GPA in the last 60 hours attempted. *
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- The following courses are required prerequisites for certain graduate required courses: HLTH 3223 Applied Anatomy, PHED 3503 Physiology of Exercise, PHED 3333 Mechanical Principles of Movement, KINS 4513 Fitness Assessment, and KINS 4523 Exercise Prescription. Similar courses may be substituted with permission of the Program Coordinator. Students missing one or more required prerequisites will be admitted on a conditional basis due to missing prerequisites.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.

Graduation Requirements

Required Courses.....27 Hours

Course Prefix	Course No.	Course Title
HLTH	5523	Physical Activity & Public Health
KINS	5013	Foundations of Wellness Management
KINS	5103	Physiological Basis of Human Movement
KINS	5113	Legal/Ethical Princ. of Wellness Mgmt.
KINS	5233	Assessment in Wellness Management
KINS	5303	Exercise Testing & Prescription
KINS	5333	Exercise Apps for Special Populations
KINS	5393	Research in Wellness Management
KINS	5403	Biomechanical Basis of Human Movement

Capstone Experience 3-6 Hours

Choose One

Course Prefix	Course No.	Course Title
KINS	5950	Internship (3 credit hours)
KINS	5980	Graduate Project (3 credit hours)
KINS	5990	Thesis (6 credit hours)

Guided Electives..... 3-6 Hours

Course Prefix	Course No.	Course Title
HLTH	5213	Organizational Behavior & Leadership
HLTH	5223	Contemporary Issues in Health Promotion
HLTH	5313	Program Planning & Evaluation
HLTH	5333	Health Equity and Determinants
KINS	5423	Strength Develop. & Training Methods
NTRN	5422	Nutrition for Sports Professionals
PHED	5313	Applied Sport Psychology
KINS	5203	Physical Activity & Aging

TOTAL HOURS REQUIRED 36 HOURS

Certification Preparation

Preparation for Behavior Analyst Certification

Board Certified Behavior Analyst

A Board Certified Behavior Analyst (BCBA) is an individual who is certified by the Behavior Analyst Certification Board (BACB). Behavior analysts apply the principles of behavioral science to design, implement, and evaluate behavior change programs. Behavior change programs are used to increase and maintain socially important behaviors, and decrease or eliminate problematic behaviors. BCBAs work in a variety of environments including community, clinical, and school settings. BCBAs work with a variety of populations including people with disabilities, typically developing people, organizations and others who may benefit from behavior change.

The Behavior Analyst Certification Board has approved the course sequence as meeting the coursework requirement for eligibility to take the Board Certified Behavior Analyst examination. In addition to the course sequence, the candidate must complete 2000 hours of supervised field experience. Field experience hours may be collected under a BCBA as soon as the candidate begins the coursework.

This course sequence is only available to those who have completed or are currently enrolled in a master's degree program in education, psychology or behavior analysis. Please visit bacb.com for more information on degree requirement standards.

General Guidelines

1. The applicant must satisfy all requirements related to formal admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Applications may be completed online.
2. A Master's degree in Education, Psychology, or Behavior Analysis, the course sequence, and a 2000-hour supervised field experience must be earned prior to applying for the BACB certification exam
3. A grade of B or higher must be obtained for each course in the course sequence
4. In addition to acceptance to the Jackson College of Graduate Studies, acceptance into the BCBA course sequence is based on the submission of the program application, a copy of the applicant's transcript(s) and recommendations from two (2) people familiar with the applicant's suitability for graduate study in behavior analysis
5. Admission to the program will be by cohort group.

Behavior Analyst Course Sequence 21 hrs

PSY 5823	ABA I: Foundations in Behavior Analysis
PSY 5833	ABA II: Application of Techniques in Applied Behavioral Analysis
PSY 5883	School Based Psych-Ed Intervention
PSY 5853	ABA III: Topics in Applied Behavior Analysis
PSY 5863	ABA IV: Single Subject Design
PSY 5873	Ethical Conduct & Princ. of Applied Behavior Analysis
PSY 5773	Personnel and Program Management

The 2000 clock hour internship is external to the course sequence and must be completed under the supervision of a Board Certified Behavior Analyst, UCO faculty approved by the Behavior Analyst Certification Board (BACB) to teach in UCO's BCBA program, and documented according to National Board Standards

Certification Process Director: **Dr. Scott Singleton**
 Email: bsingleton1@uco.edu
 Office: OLN 108
 Phone: 405 - 974 - 5427

Preparation for Gifted and Talented Certification

Gifted and Talented Certification

Completion of the required courses will enable the student to apply for official certification as an Oklahoma Gifted Education Specialist.

This certificate will provide a foundation of knowledge and skills as outlined by the Oklahoma Competencies (adopted May, 2012) for teachers of gifted, talented, and creative learners as well as skills and knowledge based for effective leadership in gifted education programs.

Contact: **Dr. Kimberly Pennington**
 Email: kpennington8@uco.edu
 Office: CTL 212
 Phone: 405 - 974-5889

General Guidelines

1. The applicant must satisfy all requirements related to formal Admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Application may be completed online at www.uco.edu/graduate
2. Candidates for certification must hold valid Oklahoma teacher licensure and be admitted to the graduate college.
3. Out-of-State students applying should hold a current teaching certificate.
4. This program includes six courses aligned with the Oklahoma State Competencies for Gifted and Talented Specialist as approved by NCATE, NAGC (National Association for Gifted Children) and CES (Council for Exceptional Children).
5. This is a graduate level program. This sequence does not lead to graduation but rather to certification.

Program Procedures and Guidelines for Certification

The UCO Teacher Education Services office is located in the Education Building, room 207, telephone 405 - 974-5447. Information regarding certification may be obtained from this office. Applications for adding additional certification(s) may be obtained from <http://www.sde.state.ok.us> Certification is based on the completion of the University of Central Oklahoma approved programs. Applications are processed through the Teacher Education Services Office. To apply for advanced certification, the individual should:

- A. Complete all courses listed on the Plan of Study developed by Director of Graduate Advisement for the College of Education and Professional Studies;
- B. Contact the appropriate Program Coordinator regarding the coursework for the respective program, particularly if it seems likely that some courses previously completed could substitute for required courses in the program.
- C. Apply to take the appropriate state certification examination. Application is made online with Certification Examination for Oklahoma Educators (CEOE) at <http://www.ceoe.nesinc.com>
- D. After completing the certification requirements, obtain an application for adding additional certification online at <https://sde.ok.gov/>;

- E. After all applicable coursework has been posted on the UCO transcript; candidates must submit a completed UCO official transcript along with the completed application for adding additional certification(s) to the UCO Teacher Education Services Office for review and recommendation. 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 which reflect all required coursework.

Gifted and Talented Required Course Work18 Hours

ESFR	5413	Foundations of Gifted Education
ESFR	5423	Social-Emotional Development-Gifted Learners
ESFR	5433	Curriculum Strategies-Gifted
ESFR	5443	Identification and Assessment for Gifted Education
ESFR	5453	Leadership and Communication - Gifted Education
PTE	5900	Practicum in Teacher Education - Gifted Talented and Creative

Preparation for Library Media Specialist Certification

Library Media Specialist Certification

Completion of the required courses will enable the student to apply for official certification as a Library Media Specialist. This certificate authorizes the holder to supervise and/or administer Library Media services in grades PK-12 in any accredited school in Oklahoma and to teach Library Media skills in grades PK-12. A list of required courses may be obtained from the Director of Graduate Advisement or Program Coordinator.

Website:

<https://www.uco.edu/programs/jcgs/ceps/certifications/library-media-specialist-certification>

Standard Library Media Specialist Certificate

A Master's degree is required for standard certification.

A. *For applicants who hold a baccalaureate degree, but do not have a Master's degree*

1. Applicants may qualify if they hold and maintain a valid certification credential in early childhood education, elementary education, elementary – secondary education, secondary education, or vocational-technical education.
2. Applicants must complete the required courses for a Master's degree in Library Media Education.

B. *For applicants already holding a Master's degree:*

1. Applicants may qualify if they hold and maintain a valid certification credential in early childhood education, elementary education, elementary – secondary education, secondary education, or vocational-technical education.
2. Applicants who hold a Master's degree and are seeking Library Media Specialist Certification are required to twenty-four (24) hours of required course work.

Required courses:

Course Prefix	Course No.	Course Title
IME	5053	School Library Administration
IME	5063	School Library Foundations
IME	5013	Young Adult Library Resources
IME	5223	Collaborative Instructional Processes
IME	5233	Children's Library Resources
IME	5453	Collection Management
IME	5863	School Library Technology
IME	5883	Capstone in Library Media

C. *For applicants already holding a Master's degree in library science:*

Alternative certification is available with a Master's degree in Library Science and 6-18 hours of teacher education courses through the State Department of Education, depending on work experience.

General Guidelines

1. The applicant must satisfy all requirements related to formal admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Applications may be completed online at <http://www.uco.edu/graduate/admissions.html>.
2. All courses applicable to the Master of Education in Library Media must be taken at the graduate level AND the applicant must maintain a 3.0 GPA in all Library Media Education courses.
3. At least a minimum of twelve (12) hours must be completed at the University of Central Oklahoma for certificate recommendation by UCO.
4. The applicant shall satisfactorily complete the state curriculum examination in the area of Library Media Specialist prior to being issued a standard license/certificate.
5. The applicant shall hold a Bachelor's degree from an accredited institution.
6. The applicant shall satisfy all general regulations of eligibility including, for the standard certificate, completion of the course SPED 4123 Teaching Individuals with Disabilities or its equivalent.
7. Applicants must hold a valid Oklahoma teaching license/certification prior to completion of the program.
8. For recommendation for certification, applicants must maintain a 3.0 in all Library Media Education courses and have no more than six (6) hours of "C."
9. Applicants must successfully complete all portfolio requirements as designated by the program.

Individuals who hold teacher certification via the State Department of Education's Alternative Certification method will need to be recommended for adding advanced certification area(s) by UCO. However, the individual will remain part of the State Department of Education's Alternative Certification Placement Program.

Preparation for Oklahoma Elementary Math Specialist Certification

Oklahoma Elementary Math Specialist Certification

Completion of the required courses will enable the student to apply for official certification as a Oklahoma Elementary Math Specialist

This certificate will provide more effective math teachers which will have a positive impact on mathematic learning of children in their classrooms. They will also have leadership positions as specialists and math coaches so that they will provide professional development for other teachers.

Certification Process Director: Dr. Darlinda Cassel
 Email: dcassel2@uco.edu
 Office: LIB 145, Box 127
 Phone: 405 - 974 - 5128

Prerequisites:

1. Must have a valid teacher certification in Elementary Education and/or Early Childhood Education
2. Two years of full time teaching experience in grades pre-K through 5th grade.

General Guidelines

The applicant must satisfy all requirements related to formal Admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Application may be completed online at www.uco.edu/graduate/

In order to complete the sequence and be recommended for the OEMS certification, the students must maintain a grade of C or better in each of the 6 courses. This is a graduate level program. This sequence does not lead to graduation but rather to certification.

Program Procedures and Guidelines for Certification

The UCO Teacher Education Services office is located in the Education Building, room 207, telephone 405 - 974-5447. Information regarding certification may be obtained from this office. Applications for adding additional certification(s) may be obtained from <https://sde.ok.gov/>. Certification is based on the completion of the University of Central Oklahoma approved programs. Applications are processed through the Teacher Education Services Office. To apply for advanced certification, the individual should:

- A. Complete all courses listed on the Plan of Study developed by Director of Graduate Advisement for the College of Education and Professional Studies;
- B. Contact the appropriate Program Coordinator regarding the coursework for the respective program, particularly if it seems likely that some courses previously completed could substitute for required courses in the program.
- C. Apply to take the appropriate state certification examination. Application is made online with Certification Examination for Oklahoma Educators (CEOE) at <http://www.ceoe.nesinc.com>
- D. After completing the certification requirements, obtain an application for adding additional certification online at <https://sde.ok.gov/>;

- E. After all applicable coursework has been posted on the UCO transcript; candidates must submit a completed UCO official transcript along with the completed application for adding additional certification(s) to the UCO Teacher Education Services Office for review and recommendation. 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 which reflect all required coursework.

Admission Requirements

1. Valid teacher certification in ELED and/or ECE.
2. Two years of full time teaching experience in grades pre-K through 5th Grade
3. Maintain a grade of C or better in each of the 6 required courses.

OEMS Required Course Work 18 hrs

ELED	5513	Algebra and Mathematical Tasks (PK-5)
ELED	5523	Geometry Spatial Visualization and Learning Trajectories (PK-5)
ELED	5533	Number Concepts and Assessment (PK-5)
ELED	5543	Teaching Measurement and Data (PK-5)
ELED	5553	Rational Number Concepts, Proportional Reasoning, and Classroom Interactions (PK-6)
ELED	5563	Mathematics Leadership and Coaching

Preparation for Reading Specialist Certification

Reading Specialist Certification

Completion of the required courses will enable the student to apply for official certification. The certificate authorizes the holder to serve as a Reading Specialist in grades PreK-12 in any accredited school in Oklahoma. This is a graduate level program. A list of required courses is provided. This is an add-on certificate prior to the end of the program. Candidates must hold a standard teaching certificate prior to the end of the program.

Prerequisites

1. Completion of a Bachelor's Degree is a prerequisite for entrance into the Reading Specialist Program.
2. A minimum of six semester hours of course work is required in the following areas as a prerequisite to the program. These courses cannot be counted as part of the program, but are required for the certificate. These courses may be completed at the undergraduate or graduate level.
 - a. One course in reading or language arts methods
 - b. One course in children's or adolescent literature OR an IME or ELED course in Area 2 in the program.
3. For standard certification, the applicant must have completed the course SPED 4123 Teaching Individuals with Disabilities (or an equivalent course).

General Guidelines

1. The applicant must satisfy all requirements related to formal admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Applications may be completed online at www.uco.edu/graduate/.
2. For the standard certificate, the applicant must hold a Master's Degree granted by an institution accredited by a regional accrediting association.
3. For individuals holding a Master's degree, previous graduate course work may, upon approval of the Program Coordinator, satisfy curricular requirements. Individuals seeking approval of previous course work should contact the Program Coordinator for a review of their graduate course work.
4. The applicant must successfully complete the Oklahoma Subject Area Test in the area of Reading Specialist prior to being issued a certificate.
5. All courses taken for Reading Specialist Certification must be completed at the graduate level.
6. The program for Reading Specialist Certification includes 32-34 semester hours of graduate course work for the standard certificate. The specific courses are outlined below.
7. A minimum of the last nine semester hours of course work must be completed at the University of Central Oklahoma for certificate recommendation from UCO.
8. For recommendation for certification applicants must not have more than six (6) hours of 'C' in coursework required for certification.
9. Applicants must successfully complete all key assessments as designated by the program.

Reading Specialist Certificate Courses..... 32-34 Hours

Required Reading Coursework.....22 Hours

*READ	5623 ₁	Foundations and Survey of Reading
READ	5663	Theoretical Basis of Reading
*READ	5843 ₂	Diagnosis and Correction of Reading with Tier II Intervention
*READ	5863 ₃	Reading Assessment with Tier III Intervention
READ	5813	Adolescent Literacy
*READ	5854 ₄	Clinical Practices in Reading
READ	5712	Organization and Supervision of Reading Programs
READ	5900	Practicum: Classroom Field Experience 1 hr. credit

**Note: These courses must be taken in sequential order according to the superscript numbers. Courses labeled 1 and 2 may be taken together.*

Professional Education Coursework..... 10-12 Hours

Candidates must complete one course from each section.

Area 1: Research

ESFR	5013	Foundations of Educational Research
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Area 2: Language and Literacy

ELED	5283	Language Arts and Multicultural Literature
ENG	5323	History of the English Language
ENG	5343	Linguistics
IME	5013	Young Adult Library Resources
IME	5233	Children's Literacy Resources
IME	5333	Advanced Literature Resources
SPED	5102	Language Development in Special Education

Area 3: Measurement

ESFR	5383	Principles of Tests and Measurements
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Area 4: Diversity

TESL	5143	Teaching Reading to English Language Learners
TESL	5212	Cultural Linguistic Diversity in Schools
TESL	5413	Language Structure for ESL Teachers
TESL	5962	Institute: Multicultural Education

TOTAL HOURS 32-34 HOURS

Individuals who hold teacher certification via the State Department of Education's Alternative Certification method will need to be recommended for adding advanced certification area(s) by UCO. However, the individual will remain part of the State Department of Education's Alternative Certification Placement Program.

Preparation for School Counselor Certification

School Counselor Certification

Completion of the required courses will enable the student to apply for official certification. This certification authorizes the holder to serve as a counselor in any accredited school in Oklahoma.

General Guidelines

1. The applicant must satisfy all requirements related to formal admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Applications may be completed online at <http://www.uco.edu/graduate/admissions.html>.
2. The applicant shall hold a valid classroom teaching certificate.
3. The applicant must satisfactorily complete the state curriculum examination for School Counselor Certificate.
4. All course work must be completed at the graduate level.
5. For recommendation by the University of Central Oklahoma, the last nine semester hours of course work must be completed at the University of Central Oklahoma.
6. For standard certification the applicant must hold a Master's degree granted by an institution accredited by a regional accrediting association.
7. For certificate recommendation, the applicant shall have completed the approved program for certification as a school counselor as outlined in the graduate catalog.
8. For recommendation for certification applicants must not have more than six (6) hours of 'C' in specialized coursework.
9. Applicants must successfully complete all portfolio requirements as designated by the program.

School Counselor Required Course Work 33 hrs

ESFR	5013	Foundations of Educational Research
ESFR	5153	Adv. Develop. Psych. for Educ. Settings
ESFR	5383	Principles of Tests & Measurements
GUID	5013	Principles/Ethics School Counseling
GUID	5163	Theo. & Tech. of Individ. School Cnslg
GUID	5133	Multicultural Counseling
GUID	5443	Career Guidance
GUID	5113	Theories & Tech. of Group Counseling
GUID	5153	Counseling Intervention Strategies
GUID	5253	Developmental Guidance
*GUID	5950	Internship (3 credit hrs)

*200 Total Hours: 100 hours in Counselor Education Clinic, 100 hours in an accredited school site

Individuals who hold teacher certification via the State Department of Education's Alternative Certification method will need to be recommended for adding advanced certification area(s) by UCO. However, the individual will remain part of the State Department of Education's Alternative Certification Placement Program.

Preparation for School Principal Certification

School Principal Certification

Completion of the required courses will enable the student to apply for official certification as a School Principal. A list of required courses may be obtained from the Director of Graduate Advisement or Program Coordinator.

General Guidelines

1. The applicant must satisfy all requirements related to formal admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Applications may be completed online at www.uco.edu/graduate/.
2. The applicant shall hold and maintain a valid Oklahoma standard teaching certificate in one of the following areas: early childhood education, elementary education, elementary-secondary education, secondary education, or career-technical education.
3. The applicant shall hold a Master's degree granted by an institution accredited by a regional accrediting association.
4. The applicant must pass the principal common core and the grade level elementary and/or secondary curriculum examinations.
5. All courses taken for administration certification must be completed at the graduate level.
6. The applicant shall satisfy all general regulations of eligibility including, for the standard certificate, completion of the course SPED 4123 Teaching Individuals with Disabilities or its equivalent.
7. At least a minimum of nine (9) hours must be completed at the University of Central Oklahoma for certificate recommendation by UCO
8. For recommendation for certification applicants must not have more than six (6) hours of 'C' in specialized coursework.
9. Applicants must successfully complete all portfolio requirements as designated by the program.

For applicants who hold a baccalaureate degree, but do not have a Master's degree

- A. Applicants may qualify if they:
 1. Hold and maintain a valid certification credential in early childhood education, elementary education, elementary-secondary education, secondary education, or vocational-technical education;
 2. Have two (2) years teaching experience in an elementary school, middle school, junior high school, or senior high school accredited by the Oklahoma State Department of Education.
- B. Applicants must complete the required courses for a Master's degree in Educational Leadership. Please refer to page 61 for information regarding requirements for a Master's degree in Educational Leadership.

For applicants already holding a Master's degree:

- A. Applicants may qualify if they:
 1. Hold and maintain a valid certification credential in early childhood education, elementary education, elementary – secondary education, secondary education, or vocational-technical education;
 2. Have two (2) years teaching experience in an elementary school, middle school, junior high school, or senior high school accredited by the Oklahoma State Department of Education.
- B. Applicants must complete the required courses for administration certification or submit documentation of relevant experience. Applicants attempting to use relevant experience in lieu of coursework must contact the Program Coordinator for Educational Leadership at EdLead@uco.edu for instructions on the alternative certification process for administration certification.

EADM	5543	Fund. of Public School Administration
EADM	5453	Interpersonal Relations in School Admin
EADM	5673	School Personnel Administration
EADM	5683	Curriculum Leadership
EADM	5623	Supervision & Evaluation of Instruction
EADM	5553	Legal Aspects of School Administration
EADM	5353	Technology for School Administration
EADM	5583	Public School Finance
EADM	5814	Principalship/Internship

Individuals who hold teacher certification via the State Department of Education's Alternative Certification method will need to be recommended for adding advanced certification area(s) by UCO. However, the individual will remain part of the State Department of Education's Alternative Certification Placement Program.

Preparation for Speech-Language Pathology Certification

Speech-Language Pathology Certification

Completion of the required courses will enable the student to apply for official certification. This certification authorizes the holder to provide speech-language pathology services in any accredited school in Oklahoma. A list of required courses may be obtained from the program advisor.

The speech-language pathologist is a professional concerned with clinical diagnosis, evaluation and remediation of communication handicaps which impair an individual's ability to appropriately access social and academic learning experiences

This program consists of an approved curriculum at the undergraduate level and at the graduate level.

General Guidelines for the Standard Speech-Language Pathology Certificate

1. The applicant must satisfy all criteria for elementary-secondary school certificate programs, including admission to teaching education standards.
2. Individuals who have not previously completed a teacher education program must apply for and be admitted to teacher education at the University of Central Oklahoma before certification will be recommended.
3. The applicant must hold a Master's degree for the standard certificate.
4. The applicant shall pass the ETS Praxis Series Speech-Language Pathology test or the state curriculum examination in Speech-Language Pathology prior to being issued a standard certificate/license.
5. The applicant shall have completed at least nine semester hours within the five years immediately preceding the date of application in order to apply for certification. Evidence of speech-language pathology experience in a hospital, other agency, or private practice may be substituted at a rate of three (3) semester hours for each year of experience. If employment is used in lieu of course completion, official verification of employment must accompany the application for certification.
6. For recommendation from the University of Central Oklahoma, a minimum of the last nine semester hours of course work must be completed at the University of Central Oklahoma.
7. Applicants must successfully complete all portfolio requirements as designated by the program.

Standard Speech-Language Pathology Certificate (Additional Guidelines)

1. The applicant must satisfy all requirements related to formal admission to the Jackson College of Graduate Studies at the University of Central Oklahoma. Applications may be completed online at <http://www.uco.edu/graduate/admissions.html>.
2. The applicant must satisfy all requirements and be admitted to the Speech-Language Pathology program at the University of Central Oklahoma.
3. The applicant must complete an approved program for the Speech-Language Pathology Certificate, which consists of a minimum of forty-six (46) semester hours of graduate course work culminating in a Master's degree.
4. The academic and practicum requirements of the ASHA C.C.C. must be met before an individual can receive a Master's degree in speech-language pathology (SLP) and before standard certification can be recommended.
5. If an individual holds a bachelor degree in an area other than speech-language pathology, a number of prerequisites will be required in the specialization area. The standard requirements for ASHA C.C.C. and the Master's degree combined are greater than the forty-six (46) semester hours required for the Master's degree alone. Again, the Master's degree will not be conferred unless ALL academic and practicum requirements for national certification (ASHA C.C.C) have been met. The individual seeking a certificate/degree in speech-language pathology will need to contact an advisor in that area for specifics.

Preparation for Teacher Certification and Licensure

Teacher Certification and Licensure

A. Advanced Certification and Professional School Services

- Elementary and Secondary School Principal
- Library Media Specialist
- School Counselor
- School Psychologist
- Reading Specialist
- Speech-Language Pathologist

B. Elementary & Secondary Certification Programs

- Art
- Early Childhood Education
- Elementary Education
- English
- Foreign Language
 - French
 - German
 - Spanish
- Mathematics
 - Advanced
- Music
 - Instrumental/General
 - Vocal/General
- Physical Education/Health/Safety
- Science
 - Biological Sciences
 - Chemistry
 - General Science
 - Physical Science
 - Physics
- Social Studies
 - U.S. History/Oklahoma
 - History/Government/Economics
 - World History/Geography
- Special Education
 - Mild/Moderate Disabilities
 - Severe/Profound/Multiple Disabilities
- Speech/Drama/Debate

C. Other Special Certification Programs

- Bilingual Education/Teaching English as a Second Language

Admission to Teacher Education

Students at the University of Central Oklahoma who expect to become candidates for the Bachelor of Arts in Education, the Bachelor of Science in Education, Bachelor of Fine Arts in Education, or the Bachelor of Music Education degrees (or otherwise qualify to teach) are required to make formal application for Admission to Teacher Education during their sophomore year (enrolled in or completed 40 semester hours and meeting criteria below) to the Council on Teacher Education. Application must be made according to published dates. No late applications will be accepted. There is one round of Teacher Education applications in each of the fall and spring semesters. Candidates must be admitted to the teacher education program to enroll in restricted major and professional courses.

Conditions for admission to teacher education effective Fall 2019

are:

Please note: All candidates for the Bachelor of Arts in Education, Bachelor of Music Education, Bachelor of Fine Arts Education, Bachelor of Science in Education degrees or who are attempting to qualify for any teaching certificate are required to apply for admission to teacher education. They must meet the requirements listed below. Once admitted, candidates must maintain all requirements.

1. Achieve a minimum cumulative grade point average of 2.75 in all courses completed at UCO and other colleges or universities at the time of application. However, if the teacher candidate's overall GPA is less than 2.75, the teacher candidate may qualify for admission to Teacher Education if the following criteria are met:
 - a. Have a minimum GPA of 3.00 in the last 30 hours completed.
 - b. OR If the teacher candidate is concurrently enrolled in coursework at UCO at the time of application and will be able to obtain an overall GPA of 2.75 OR achieve a minimum GPA of 3.00 in the last 30 hours completed, the application will be considered "Pending Approval" until the individual has achieved the GPA requirement.
2. All coursework taken in the degree certification major or common courses required for majors must be completed with no grade lower than "C" OR if concurrently enrolled in the same coursework in which the teacher candidate has achieved a grade lower than a "C," the application will be considered as "Pending Approval" until a grade no lower than a "C" - is achieved.
3. All coursework taken in Professional Teacher Education must be completed with no grade lower than "C," OR if concurrently enrolled in the same coursework in Professional Teacher Education in which the teacher candidate has achieved a grade lower than a "C," application will be considered "Pending Approval" until a grade no lower than a "C"-is achieved.
4. Successfully completed 40 hours of college credit, OR if concurrently enrolled in coursework to meet the 40 hours at the time of application; the teacher candidate will be considered "Pending Approval" until a total of 40 hours of college credit hours have been completed.
5. Completion of PTE 3023 (or concurrent enrollment).
6. Demonstrate a proficiency in written and oral English as indicated by having a grade of "C" or better in six hours of English Composition (ENG 1113 & 1213, or ENG 1153 & ENG 1223), OR if concurrently enrolled in the same English course in which the teacher candidate has achieved a grade lower than a "C," the application will be considered "Pending Approval" until a grade no lower than "C".
7. Early Childhood, Elementary, and Special Education majors must successfully complete 4X12 requirements with a grade of "C" or better to graduate and/or be certified to teach in the State of Oklahoma.
8. Submit Code of Ethics in D2L as instructed by Teacher Education Services.
9. Pass the Oklahoma General Education Test (OGET) prior to submission of application, OR if the teacher candidate is scheduled to take the OGET exam during the semester of application, the application will be considered "Pending Approval" until documentation is received showing a passing score OR

continued...

Preparation for Teacher Certification and Licensure continued

submit documentation of:

- a. a composite score of 22 or higher on the ACT with the writing section included OR
 - b. a total score of 1120 or higher on the SAT including the following scores on the essay section: 5 or higher on Reading, 4 or higher on Analysis, and 5 or higher on Writing.
10. Schedule an interview with a program coordinator and/or faculty member to review their plans, program requirements, etc. The program coordinator or faculty member will submit a verification of the interview to Teacher Education Services (TES).
 11. Complete electronic background check through the designated UCO vendor. Background checks must be cleared and are valid for one year.
 12. Receive formal approval by the Council on Teacher Education.

Admission to Student Teaching

All students desiring to student teach are required to make formal application to the Council on Teacher Education for admission to student teaching. Applications must be submitted no later than Friday of the fourth week of the fall semester to enroll in student teaching for the next fall semester. In other words, the teacher candidate planning to student teach in Fall 2021 must apply in Fall 2020. Periodically, admission to student teaching guidelines and requirements change. It is the responsibility of the individual seeking admission to student teaching to meet requirements that are in place at the time of application to student teach. Therefore, individuals should review the most recent UCO catalog and teacher education handbook to determine the most current admission to student teaching requirements.

Conditions for admission to student Teaching effective Fall 2019 are:

- A. Admitted to Teacher Education OR submission of concurrent application.
- B. Continuation of meeting the standard prerequisite for admission to teacher education:
 1. Achievement of a minimum grade point average of 2.75 in all subjects completed at UCO or other colleges or universities to the time of application with no grade lower than "C."

OR

Achievement of a minimum grade point average of 3.0 in the last 30 credit hours completed.
- C. Complete the following courses prior to student teaching:

Course Prefix	Course No.	Course Title
PTE	3020	Foundations of American Education/ Clinical Experience
PTE	3133, 3153, or 3163	Child/ Adolescent/ Developmental Psychology
SPED	4123	Teaching Individuals with Disabilities
PTE	4533	Contemporary Learning Sciences
PTE	4172	Education Assessment

- D. Complete 3 hours of speech communication with no grade below a "C" (MCOM 1113).
- E. Complete three-fourths of the course work required in the currently declared major in which student teaching is to be completed. For early childhood, special education, and elementary majors, the 4 x 12 support courses are considered part of the major.
- F. Maintain a grade of "C" or better in all major and PTE coursework taken. For early childhood, elementary, and special education majors, a grade of "C" or better must be achieved in the support courses (4 x 12).
- G. Complete all methods course(s) in the area of specialization in which the student plans to student teach prior to the student teaching semester.
- H. Complete and document the Foreign Language Proficiency requirement (novice-high level--speaking and listening only) in one of the following ways:
 1. High School Course Work -- Complete two or more years of the same foreign language in high school with an average GPA of 2.75 or higher across these courses and no grade lower than "C."
 2. Testing -- Pass the CLEP test in a foreign language to demonstrate competency.
 3. Native Speaker -- Demonstrate this competency through an interview as determined by members of UCO's Department of Modern Languages in conjunction with Teacher Education Services. (Contact Teacher Education Services for more information.) Candidates may be referred to appropriate university personnel or another institution for competency testing in these languages.
 4. UCO College Course Work -- Complete a course in a foreign language (e.g., FRCH 1114 or GERM 1114 or SPAN 1114) and attain a grade of "C" or better.
 5. Transfer College Course Work -- Complete foreign language course work at another institution and submit a course description and a transcript indicating that a grade of "C" or higher indicates novice-high level competency.
 6. Sign Language -- Complete SPED 4910 -- Seminar: American Sign Language or a comparable college level course with a grade of "C" or better. Students who wish to demonstrate competency in Sign Language should see the Chair of the Donna Nigh Department of Advanced Professional and Special Services in LIB 315 or call 405 - 974-5283 for additional information.
- I. Complete a minimum of 60 hours of -clinical experience prior to student teaching.
- J. Complete an electronic Background Check through the designated UCO vendor or provide documentation of completion within the last year. This check must document that there have been no conviction(s) of a felony, any crime involving moral turpitude, or a felony violation of the narcotic laws of the United States or the State of Oklahoma.
- K. Complete and maintain artifact requirements for all courses taken up to the point of admission to student teaching.

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Preparation for Teacher Certification and Licensure continued

L. Take the following certification tests prior to student teaching and provide documentation to the TES office prior to the first week of student teaching:

- a. Oklahoma Subject Area Test (OSAT) in major or area of specialization.
- b. Oklahoma Reading Test (ORT) for special education majors only
- c. Oral Proficiency Interview (OPI) for modern languages education majors only.

Have the recommendation for continuation in the teacher preparation program (student teaching) section of application signed. Students must receive approval of the chairperson of the department or their designee in the major field. Receive formal approval by the Council on Teacher Education. Written approval will be provided after the Council on Teacher Education has met, verified that requirements have been met, and approved the individual student's application.

Periodically, admission to student teaching guidelines and requirements change. It is the responsibility of the individual seeking admission to student teaching to meet requirements that are in place at the time of application to student teach. Therefore, individuals should review the most recent UCO catalog and teacher education handbook to determine the most current admission to student teaching requirements.

Teacher Certification

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

Compliance with certification requirements is the responsibility of the individual seeking certification. Advisors can assist in the process, but compliance with all rules and regulations pertaining to certification is the responsibility of the candidate.

The individual seeking certification is responsible for following all guidelines presented in the University of Central Oklahoma undergraduate catalog or graduate catalog, depending upon the academic level of the certificate sought. Graduate level certificates require graduate level course work and completion of a master's degree for standard certification. Bachelor level programs require the completion of an educational bachelor's degree for standard certification.

Periodically the program guidelines, course work, and state regulations change. It is the responsibility of the individual seeking certification to meet the revised standards. An individual should therefore review the most recent UCO catalog, certification course lists, and state regulations, particularly when an extended period of time has elapsed during the completion of a program.

Program Procedures and Guidelines for Certification

The University of Central Oklahoma Teacher Education Services office is located in the Education Building, Room 207, 405 - 974-5447. Applications and other information regarding certification may be obtained from that office. Applications for certification based on the completion of University of Central Oklahoma approved programs are processed through Teacher Education Services.

To obtain certification, the individual must:

1. Complete all courses identified for general education and the respective professional education and specialized

areas.

2. Contact the appropriate department chairperson regarding the course work for the respective program, particularly if it seems likely that some courses previously completed could substitute for required courses in the program. Official substitution forms should be completed where courses, based on their titles, do not seem to match. If course names and levels from different institutions are determined by the chairperson to be equivalent, substitutions are NOT necessary.
3. Complete the process for being admitted to the Teacher Education program by following the procedures and guidelines enumerated earlier in the section entitled "Admission to Teacher Education."
4. Complete the student teaching process following the procedures and guidelines enumerated earlier in the section entitled "Admission to Student Teaching." Guidelines are also available in Teacher Education Services.
5. Apply to take the appropriate state certification examinations according to UCO guidelines and suggested the timeline. Application is made on the examination website at www.ceoe.nesinc.com. (See Certification Examinations)
6. Must have successfully completed the requirements for all courses, including class and student teaching artifacts, at the time of application for licensure.
7. After completing certification requirements and all applicable course work has been posted on the UCO transcript, including degree, if applicable, obtain an application for recommendation for the initial certification from Teacher Education Services.
8. Applicants must submit the application for recommendation and an official transcript with the degree posted to Teacher Education Services.
9. Effective November 1, 2001, Oklahoma requires applicants for initial teacher certification to have on file with the Oklahoma State Board of Education a current OSBI and FBI fingerprint-based criminal history record. Contact the Oklahoma State Board of Education for more information regarding fingerprints and the OSBI background check. www.ok.gov/sde
10. When the Certification Officer at UCO completes the review of course work with respect to the appropriate UCO approved program requirements, certifies that those requirements have been completed, and receives agreement from the Dean, the application is then forwarded to the Teacher Certification Section of the State Department of Education.

Initial Issuance of a Certificate

The State Board of Education shall issue a teaching certificate to any person who completed their initial teacher education program after July 2010, and who meets all of the following requirements. (If the individual completed their initial teacher education program prior to February 1, 1982, he/she should contact the State Department of Education regarding certification requirements):

1. Has successfully completed all training and courses required by the State Board of Education based on the guidelines and program in effect at the time of application for certification.
2. Has graduated from an accredited four-year college or university and holds the standard baccalaureate degree (Those seeking

continued...

Preparation for Teacher Certification and Licensure continued

career-technical certificates should verify requirements with the Oklahoma Department of Career and Technology Education).

- Has received a passing score on the certification examinations.
- Has made application to Teacher Education Services in EDU 207 and paid the appropriate application fee for each class of certificate sought.
- Has received recommendation from the preparing institution for the certificate desired if the teacher preparation work was completed in Oklahoma. The State of Oklahoma certificate application form must be signed by the Coordinator of Teacher Certification.
- Has met all other requirements as may be established by the State Board of Education.

Issuance of a Certificate for Additional Certification Areas

Individuals who currently hold a valid Oklahoma certificate who desire to add an additional specialization area by testing must complete the following:

- Satisfactorily complete the applicable state certification examination(s).
- Make application for the new certificate through the State Department of Education.

Other criteria may be required for those who want to obtain additional certification in Elementary, Early Childhood, or Special Education. Those interested are encouraged to check with the Teacher Education Services office for specific information. For advanced certification requiring a master's degree, see the current graduate catalog.

Teaching Certificate Definitions and Overview

For certification to be received, an individual must hold a bachelor's degree and have completed the course requirements in professional education and in the area specialization, and have received a passing score on the applicable state certification examination(s).

Certificate - All teachers who meet the requirements of an approved certificate program after January 31, 1982, and have zero [0] years of experience as a classroom teacher shall receive this initial entry-level document. Application is made through the recommending university, and the certificate is valid for five years

Residence Requirement

In order for the University of Central Oklahoma to recommend candidates for certification, the candidates must meet all requirements for teacher education. In addition, candidates must complete at least their last 24 semester hours in the area of specialization (the teaching field) and professional education at UCO. These 24 semester hours must include the following:

Course Prefix	Course No.	Course Title
PTE	4901	Practicum in Professional Teacher Education (If Contemporary Learning Sciences is taken elsewhere)
PTE	4583	Classroom Management and Instruction
PTE	4811	Contemporary Issues

PTE	4828, 4838, or 4848	Directed Observation and Student Teaching
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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:

- The Oklahoma General Education Test (OGET) must be passed for Admission to Teacher Education.
- The appropriate Oklahoma Subject Area Test (OSAT) must be passed prior to the student teaching semester.
- The Oklahoma Professional Teaching Examination (OPTE) or PPAT specific to the teaching level of the certificate sought must be passed for a certification recommendation.

Applications and study guides for state certification examinations are available from National Evaluation Systems online at 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:

- 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

Preparation for Teacher Certification and Licensure continued

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.



COLLEGE OF
Fine Arts and Design

ACADEMIC DEGREE PROGRAMS

College of Fine Arts and Design

Evans Hall, Room 13

Telephone: 405 - 974-3771

Fax: 405 - 974-3775

Email: dbass2@uco.edu

Website: www.uco.edu/cfad

Charleen Weidell, M.F.A., Dean

Lori Wooden, D.M.A., Associate Dean

Kato Buss, Ph.D., Interim Assistant Dean

Department Chairs

David Maxwell, M.F.A., Department Chair, Department of Art

Barbara Weidell, M.F.A., Assistant Chair

Valerie Settles, Ph.D., Director, School of Design

McKenna Sanderson, M.F.A., Assistant Director

Rob Glaubitz, D.M.A., Director, School of Music

Dawn Lindblade-Evans, D.M.A., Assistant Director, School of Music

Daisy Nystul, M.F.A., Department Chair, Theater Arts

Devin Scheef, M.F.A., Assistant Chair

Michelle Moeller, M.F.A., Department Chair, Department of Dance

Tina Kambour, M.A., Assistant Chair

The names of graduate program advisors appear on the program degree sheets on the following pages.

Graduate Offerings for the College of Fine Arts and Design

Master of Music (M.M.)

- Jazz Studies
- Music
 - Collaborative Piano
 - Composition
 - Conducting
 - Music Education (*Available Online*)
 - Musical Theatre
 - Pedagogy
 - Performance

Master of Fine Arts (M.F.A.)

- Design
- Illustration

Graduate Certificate

- Performance

The University of Central Oklahoma is accredited by the National Association of Schools of Art and Design and the National Association of Schools of Music (NASM.) The Interior Design program within the M.F.A. in Design is accredited by the Council for Interior Design Accreditation (CIDA).

Program: Certificate in Performance **Dept:** Music
College: Fine Arts and Design
Code: 1651

The Performance Certificate is a professional certificate, either post-baccalaureate or post-master's, that allows students to focus exclusively on improving their performance by studying with a master teacher. This is a stand-alone certificate. The certificate requires 12 hours minimum to complete. It can be completed in one to two years.

The Performance Certificate will help prepare students in the field of music to develop a higher level of proficiency as instrumentalists, singers, composers, or conductors in a variety of contexts culminating in a recital and/or special performance. Students may choose from one of four areas: Performance, Conducting, Composition, or Historical Performance.

The Performance Certificate also allows students to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Coordinator: Dr. Sam Magrill
 Email: smagrill@uco.edu
 Office: MUS 220
 Phone: 405 - 974 - 5684

Admission Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. Completion of an appropriate undergraduate program (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted*.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

*Students falling below these standards may qualify for conditional admission. See Admission to Graduate Studies (p.17)

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Culminating Project. Candidates must successfully complete a culminating project. Performance students must complete a full one-hour recital adjudicated by a committee of three members of the graduate faculty in the field. Conducting students must, under supervised preparation, conduct a major work for large ensemble (band, orchestra, choir, vocal production), or assemble a portfolio of performances which will be evaluated by a committee of three relevant members of the graduate faculty. Composition students must, under supervision, complete and have a major composition performed, present a recital of their original compositions, or assemble a portfolio of compositions, which will be evaluated by a committee of three relevant members of the graduate faculty. Historical Performance students must complete a full one-hour recital or lecture-recital adjudicated by a committee of three members of the graduate faculty in the field.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

- Note: The credits in the Performance Certificate may not be counted toward a M.M. degree.

Performance Requirements..... 6 Hours

Course Prefix	Course No.	Course Title
MPER	5010	Applied Music (may be repeated 3 times or more)

Guided Electives.....4 Hours

(Selected in consultation with the graduate advisor.)

Course Prefix	Course No.	Course Title
Instrumental Performance		
MPER	5291	Wind Symphony
MPER	5161	Symphony Orchestra
MPER	5151	Chamber Orchestra
Additional ensembles and chamber music		
Vocal Performance		
MUS	5831	Opera Workshop
MUS	5501	Opera Performance
MPER	5111	Concert Chorale
MPER	5181	Second Street Singers
Additional ensembles and chamber music		
Conducting		
MPER	5291	Wind Symphony
MPER	5161	Symphony Orchestra
MPER	5151	Chamber Orchestra
MPER	5111	Concert Chorale
Historical Performance		
MUS	5723	History of Performance OR
MUS	5133	Baroque Music OR
MUS	5163	Classical Era Music
Additional ensembles and chamber music		

Capstone.....2 Hours

Course Prefix	Course No.	Course Title
MPER	5822	Graduate Recital OR
MUS	5980	Graduate Project (2 hours) (option for Composition, Conducting, and Historical Performance)

Total Hours..... 12 Hours

Program:	Design	Dept:	Design
Major:	Design	College:	Fine Arts and Design
Degree:	Master of Fine Arts (M.F.A.)	Major Code:	1600

Design, M.F.A.

The MFA in Design is a terminal degree that provides opportunities for students who are interested in design education, research, and proficiency.

Designers are innovative problem solvers who process information and user needs to improve communication and environments. The Department of Design at UCO offers coursework in Graphic Design and Interior Design.

In the State of Oklahoma, Interior Design professionals need to register if they wish to be designated as Interior Designers. The Oklahoma Board of Architects, Landscape Architects and Interior Designers requires a degree from a program accredited by CIDA (formerly FIDER) for registration. At UCO the BFA in Interior Design is an accredited program.

Graduate Advisor:	Adrienne Wright
Email:	awright32@uco.edu
Office:	LIB 315C
Phone:	405 - 974 - 5210

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Admission to the Design program is for **Fall semester only**. Application **Deadline is April 1**. Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.50 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- An essay that includes the following:
 - Why you wish to pursue a Master of Fine Arts degree in Design at UCO.
 - What you hope to learn and create at UCO—what might your focus/thesis be?
 - Your professional career plan and objectives.
- Three (3) letters of recommendation. At least one letter must be written by a design professional. Letters from UCO faculty are not acceptable. Letters of recommendation are requested through the online application portal.
- A design portfolio that includes 10 – 15 examples of your design work with project titles, dates, descriptions and other relevant information.
- A current resume.
- Evidence of completion of all prerequisites (if any), as determined by the graduate advisor.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be

- considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Complete an acceptable thesis and successfully defend it in public. Send two paper copies and one electronic copy of the thesis to the library through Proquest, and submit the thesis’ title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Courses.....57 Hours

Course Prefix	Course No.	Course Title
DES	5xx6	Design Studio I
DES	5xx6	Design Studio II
DES	5xx6	Design Studio III
DES	5xx6	Design Studio IV
DES	5043	Design Theory
DES	5163	Business of Design and Illustration
DES	5383	Thesis Development
DES	5433	Design and Illustration Practice
DES	5493	Design Research Methods
DES	5673	Criticism Seminar
DES	5723	Portfolio Development
DES	5843	Teaching Design
DES	5483	Clocktower Studio OR
DES	5773	Charles Evans Studio OR
DES	5823	Thesis in Design*
3 hours of DES History		

Guided Electives.....3 Hours

Complete 3 Hours from the following list

Course Prefix	Course No.	Course Title
DES	5113	History of Graphic Design I
DES	5123	History of Graphic Design II
DES	5133	History of Graphic Design III
DES	5313	Typography Studio
DES	5423	Computer Graphics Studio

continued...

Program:
Major:

Design
Design continued

DES	5443	Illustration Studio
DES	5513	History of Interior Design I
DES	5523	History of Interior Design II
DES	5553	History of Interior Design III
DES	5633	Visualization Studio
DES	5733	Furniture Design Studio
DES	5753	Sustainable Design Studio
DES	5920	Workshop in Design
DES	5950	Internship in Design

TOTAL HOURS REQUIRED 60 HOURS

**May be repeated for credit, up to 6 hours.*

Program:	Illustration	Dept:	Design
Major:	Illustration	College:	Fine Arts and Design
Degree:	Master of Fine Arts (M.F.A.)	Major Code:	1640

Illustration, M.F.A.

The MFA in Illustration is a terminal degree program whose curriculum is created specifically for students interested in developing a body of illustrated work dedicated to image and serial image making for commercial application that will make them competitive locally, regionally and nationally. The program will also address essential educational needs including: personal stylistic development; advanced concepts in marketing, branding and practical business applications; storytelling; historical and theoretical frameworks; as well as teaching illustration.

Graduate Advisor:	Adrienne Wright
Email:	awright32@uco.edu
Office:	LIB 315C
Phone:	405 - 974 - 5210

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Essay to the Department of Design with rationale for their desire to enter the MFA program.
- Digital Portfolio submission* (See Additional Information)
- Creative process documentation* (See Additional Information)
- Interview with the candidate either in person or via Skype.
- All applicants and materials will be reviewed by the Department Chair, Director of MFA Illustration Program, Associate Director of the Illustration Program
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must develop a plan of study with their program advisor and file it with the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - Students accepted in the program must achieve a minimum of "B" for every course taken.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Additional Information

- It is recommended the digital portfolio submission include 10 -

15 examples of illustration work with project titles, dates and other relevant information, and creative process documentation for at least one major project that shows idea generation through final production.

Graduation Requirements

Required Courses.....36 Hours

Course Prefix	Course No.	Course Title
DES	5206	Graduate Illustration I
DES	5306	Graduate Illustration II
DES	5406	Graduate Illustration III
DES	5506	Graduate Illustration IV
DES	5723	Portfolio Development
DES	5383	Thesis Development
DES	5823	Thesis Exhibition
DES	5483	Clocktower

Guided Electives.....24 Hours

Course Prefix	Course No.	Course Title
DES	5113	History of Design OR
DES	5143	History of Illustration
CSDY	5xx3	Creative Writing Elective (Please see below)
DES	5843	Teaching Practicum Design
DES	5043	Design Theory
DES	5163	Business of Illustration
ART/DES	5xx3	Studio Elective (Please see below)
DES	5433	Contemporary Illustration Practice
DES	5673	Criticism Seminar

Creative Writing Elective (choose one of the following) - **3 HOURS**
(CSDY 5723, CSDY 5583, CSDY 5573, CSDY 5533, CSDY 5313, CSDY 5413, CSDY 5423, CSDY 5513, CSDY 5523 Prerequisite 3573.

Studio Elective (Students can use any 5000-level Art or Design elective) - **3 HOURS**

TOTAL HOURS REQUIRED 60 HOURS

Program: Music **Dept:** Music
Major: Collaborative Piano **College:** Fine Arts & Design
Degree: Master of Music (M.M.) **Major Code:** 1615

Music - Collaborative Piano, M.M.

The Collaborative Piano major provides specialized training for pianists who aspire to enter the professional world as versatile, collaborative artists.

This major also allows individuals to pursue areas of special interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Coordinator: Dr. Sam Magrill
 Email: smagrill@uco.edu
 Office: MUS 220
 Phone: 405 - 974 - 5684

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. Completion of an appropriate undergraduate program (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Diction: Candidates in Vocal Performance, Vocal Pedagogy, and Collaborative Piano must demonstrate proficiency in Italian, French and German diction, either through a record of diction study at the undergraduate level or through examination. Candidates deemed deficient must take the relevant undergraduate course or courses concurrent with their graduate study.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate

program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates in each major must successfully complete a culminating project. Collaborative Piano majors must complete a full one-hour collaborative recital adjudicated by a committee of three members of the graduate faculty in the field.
- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research.....			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory.....			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
...MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUED	5213	History of Music Education	
MUS	5143	Instrument Ensemble Literature	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	
MUS	5723	History of Performance	
MUS	5743	Music History Pedagogy	
MUS	5753	Studies in Music History	
MUS	5773	History of Instruments	
MUS	5783	History of Opera	

continued...

Program: Music
Major: Collaborative Piano continued

Pedagogy.....2-3 Hours		
The specific pedagogy class taken is determined by a student's major of study.		
MUED	5433	Secondary Vocal Methods
MUED	5843	Instrumental Methods
MUED	5853	Elementary Music Methods
MUS	5202	Adv Vocal Pedagogy
MUS	5453	Music Theory Pedagogy
MUS	5512	Brass Pedagogy
MUS	5522	Woodwind Pedagogy
MUS	5532	String Pedagogy
MUS	5542	Percussion Pedagogy
MUS	5613	Jazz Pedagogy
MUS	5743	Music History Pedagogy
MUS	5882	Piano Pedagogy
MPER	5010	Applied Pedagogy
Music Technology2 Hours		
MUS	5372	Computer Music Tech
Graduate Project or Recital2-3 Hours		
MPER	5822	Graduate Recital
MUS	5980	Graduate Project (3 hours)
MUED	5980	Graduate Project (3 hours)

Required Collaborative Piano Major Courses..16-18 Hours

Course Prefix	Course No.	Course Title
Applied Collaborative Piano Lessons8 Hours		
MPER	5010	Applied Music (can repeat 4 times or more)
Repertoire/Literature.....4 Hours		
MUS	5182	Collaborative Piano Literature I
MUS	5192	Collaborative Piano Literature II
Collaborative Piano Courses1 Hour		
MPER	5321	Collaborative Piano Practicum (can repeat 4 times)*
Guided Electives3-5 Hours		
MPER	5421	Advanced Chamber Music
MPER	5010	Applied Piano Pedagogy
MPER	5010	Applied Organ
MPER	5010	Applied Harpsichord
MPER	5010	Applied Conducting
MPER	5010	Applied Jazz Piano
MPER	5351	Advanced Piano Ensemble
MUS	5910	Singing Diction Seminar
MUS	5592	Singing Diction Seminar
MUS	5572	British and American Song
MUS	5582	French Melodie

* MUS 5910 Applied Collaborative Practicum may substitute for MPER 5321.

TOTAL HOURS REQUIRED.....32 HOURS

Program:	Music	Dept:	Music
Major:	Composition	College:	Fine Arts & Design
Degree:	Master of Music (M.M.)	Major Code:	1614

Music - Composition, M.M.

The Composition major will help prepare students in the field of music composition to develop a higher level of proficiency in composing music in a variety of genres for a variety of instrumental and vocal combinations. Students learn to put together recitals of their music and/or special performances of their works.

This major also allows individuals to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Coordinator:	Dr. Sam Magrill
Email:	smagrill@uco.edu
Office:	MUS 220
Phone:	405 - 974 - 5684

Admission Requirements

Submit the following items to:

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100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
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- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates in each major must

successfully complete a culminating project. Composition majors must, under supervision, complete and have performed a major composition and/or present a recital of their original compositions, which will be evaluated by a committee of three relevant members of the graduate faculty in the field.

- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research.....			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory.....			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
...MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUED	5213	History of Music Education	
MUS	5143	Instrument Ensemble Literature	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	
MUS	5723	History of Performance	
MUS	5743	Music History Pedagogy	
MUS	5753	Studies in Music History	
MUS	5773	History of Instruments	

continued...

Program: Music
Major: Composition continued

MUS	5783	History of Opera	
Pedagogy.....			2-3 Hours
The specific pedagogy class taken is determined by a student's major of study.			
MUED	5433	Secondary Vocal Methods	
MUED	5843	Instrumental Methods	
MUED	5853	Elementary Music Methods	
MUS	5202	Adv Vocal Pedagogy	
MUS	5453	Music Theory Pedagogy	
MUS	5512	Brass Pedagogy	
MUS	5522	Woodwind Pedagogy	
MUS	5532	String Pedagogy	
MUS	5542	Percussion Pedagogy	
MUS	5613	Jazz Pedagogy	
MUS	5743	Music History Pedagogy	
MUS	5882	Piano Pedagogy	
MPER	5010	Applied Pedagogy	
MUS	5372	Computer Music Tech	
Graduate Project or Recital			2-3 Hours
MPER	5822	Graduate Recital	
MUS	5980	Graduate Project (3 hours)	
MUED	5980	Graduate Project (3 hours)	

Required Composition Major Courses 16-18 Hours

Course Prefix	Course No.	Course Title
MUS	5062	Applied Composition (8 credit hours)
MPER	5010	Applied Music (2 credit hours) OR
MPER	5020	Secondary Applied Music
MUS	5503	Advanced Conducting/Score Reading
Guided Electives.....		3-5 Hours
To be chosen from among supportive disciplinary training as defined by NASM standards.		

TOTAL HOURS REQUIRED 32 HOURS

Program: Music **Dept:** Music
Major: Conducting **College:** Fine Arts & Design
Degree: Master of Music (M.M.) **Major Code:** 1613

Music - Conducting, M.M.

The Conducting major will help prepare students in the field of conducting to develop a higher level of proficiency in conducting music for instrumentalists and/or vocalists in a variety of contexts, culminating in a recital and/or special project.

This major also allows individuals to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Coordinator: Dr. Sam Magrill
 Email: smagrill@uco.edu
 Office: MUS 220
 Phone: 405 - 974 - 5684

Admission Requirements

Submit the following items to:

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 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. Completion of an appropriate undergraduate program (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Diction: Candidates in Conducting who choose a choral emphasis must demonstrate proficiency in English, Italian, French, Latin, and German diction through written and aural examination prior to attending classes. Candidates deemed deficient must take the relevant diction courses as determined by the graduate advisor in consultation with the vocal faculty and complete them with a grade of B or better.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates in each major must successfully complete a culminating project. Conducting majors must, under supervised preparation, conduct a major work for large ensemble (band, orchestra, choir, vocal production), which will be evaluated by a committee of three relevant members of the graduate faculty.
- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
...MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUED	5213	History of Music Education	
MUS	5143	Instrument Ensemble Literature	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	
MUS	5723	History of Performance	
MUS	5743	Music History Pedagogy	
MUS	5753	Studies in Music History	
MUS	5773	History of Instruments	
MUS	5783	History of Opera	

continued...

Program:
Major:

Music
Conducting continued

Pedagogy.....2-3 Hours		
The specific pedagogy class taken is determined by a student's major of study.		
MUED	5433	Secondary Vocal Methods
MUED	5843	Instrumental Methods
MUED	5853	Elementary Music Methods
MUS	5202	Adv Vocal Pedagogy
MUS	5453	Music Theory Pedagogy
MUS	5512	Brass Pedagogy
MUS	5522	Woodwind Pedagogy
MUS	5532	String Pedagogy
MUS	5542	Percussion Pedagogy
MUS	5613	Jazz Pedagogy
MUS	5743	Music History Pedagogy
MUS	5882	Piano Pedagogy
MPER	5010	Applied Pedagogy
Music Technology2 Hours		
MUS	5372	Computer Music Tech
Graduate Project or Recital2-3 Hours		
MPER	5822	Graduate Recital
MUS	5980	Graduate Project (3 hours)
MUED	5980	Graduate Project (3 hours)

Required Conducting Major Courses 15-18 Hours

Course Prefix	Course No.	Course Title
Repertoire/Literature.....2-3 Hours		
MUS	5143	Instrument Ensemble Literature
MUS	5263	Choral Literature
MUS	5022	Music of Small Vocal Ensembles
Conducting.....10 Hours		
MPER	5010	Applied Conducting (may be repeated 4 times)
MUS	5503	Advanced Conducting-Score Reading
MUS	5113	Advanced Choral Conducting OR
MUS	5173	Advanced Instrumental Conducting
Guided Electives.....3-6 Hours		
To be chosen from among supportive disciplinary training as defined by NASM standards.		

TOTAL HOURS REQUIRED 32 HOURS

Program: Music **Dept:** Music
Major: Music Education **College:** Fine Arts & Design
Degree: Master of Music (M.M.) **Major Code:** 1611

Music - Music Education, M.M. - Available Online

The Music Education major will help prepare students in the field of music education to develop a higher level of proficiency in understanding and utilization for instruction of specific philosophical, methodological, and educational concepts pertinent to the environment of the public school system.

This major also allows individuals to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Coordinator: Dr. Sam Magrill
Email: smagrill@uco.edu
Office: MUS 220
Phone: 405 - 974 - 5684

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. Completion of an appropriate undergraduate program (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates in each major must

successfully complete a culminating project. Music Education majors must complete a supervised project of a nature relevant to professional practice and evaluated by a committee of three members of the graduate faculty in the field.

- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research.....			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory.....			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUS	5143	Instrument Ensemble Literature	
MUED	5213	History of Music Education	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	
MUS	5723	History of Performance	
MUS	5743	Music History Pedagogy	
MUS	5753	Studies in Music History	
MUS	5773	History of Instruments	
MUS	5783	History of Opera	

continued...

Program: Music
Major: Music Education continued

Pedagogy.....2-3 Hours		
The specific pedagogy class taken is determined by a student's major of study.		
MUED	5433	Secondary Vocal Methods
MUED	5843	Instrumental Methods
MUED	5853	Elementary Music Methods
MUS	5202	Adv Vocal Pedagogy
MUS	5453	Music Theory Pedagogy
MUS	5512	Brass Pedagogy
MUS	5522	Woodwind Pedagogy
MUS	5532	String Pedagogy
MUS	5542	Percussion Pedagogy
MUS	5613	Jazz Pedagogy
MUS	5743	Music History Pedagogy
MUS	5882	Piano Pedagogy
MPER	5010	Applied Pedagogy
Music Technology2 Hours		
MUS	5372	Computer Music Tech
Graduate Project or Recital2-3 Hours		
MPER	5822	Graduate Recital
MUS	5980	Graduate Project (3 hours)
MUED	5980	Graduate Project (3 hours)

Required Music Education Major Courses..... 16-18 Hours

Course Prefix	Course No.	Course Title	
Music Education			9 Hours
MUED	5123	Foundations of Music Education	
MUED	5223	Philosophy of Music Education	
MUED	5333	Current Trends in Practice	
Ensembles/Applied Lessons.....			3 Hours
Guided Electives.....			4-6 Hours
To be chosen from among supportive disciplinary training as defined by NASM standards.			

TOTAL HOURS REQUIRED 32 HOURS

Program: Music **Dept:** Music
Major: Performance **College:** Fine Arts & Design
Degree: Master of Music (M.M.) **Major Code:** 1633

Music - Performance, M.M.

The Performance major will help prepare students in the field of music performance develop a higher level of proficiency on their instrument or as a singer in a variety of contexts culminating in a recital and/or special performance. Students may choose from one of four Performance areas: Instrumental, Piano, Vocal, or Multiple Woodwinds.

The Performance major also allows students to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music {NASM}.

Graduate Coordinator: Dr. Sam Magrill
 Email: smagrill@uco.edu
 Office: MUS 220
 Phone: 405 - 974 - 5684

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates must successfully complete a culminating project. Candidates in the Instrumental, Piano, and Multiple Woodwinds areas must complete a full one-hour recital adjudicated by a committee of three members of the graduate faculty in the field. Candidates in the Multiple Woodwind Performance area must perform on at least three woodwind instruments during this recital, of which one must be a double reed. Candidates in the Vocal area must complete a supervised project of a nature relevant to professional practice which is evaluated by a committee of three members of the graduate faculty in the field.
- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Admission Requirements

Submit the following items to:

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- Online application for admission (www.uco.edu/graduate/).
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- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Diction: Candidates in the Vocal area of the Performance major must demonstrate proficiency in English, Italian, French, Latin, and German diction through written and aural examination prior to attending classes. Candidates deemed deficient must take the relevant diction courses as determined by the graduate advisor in consultation with the vocal faculty and complete them with a grade of B or higher.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
...MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUED	5213	History of Music Education	
MUS	5143	Instrument Ensemble Literature	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	
MUS	5723	History of Performance	

continued...

Program: Music
Major: Performance continued

MUS	5743	Music History Pedagogy
MUS	5753	Studies in Music History
MUS	5773	History of Instruments
MUS	5783	History of Opera
Pedagogy.....		2-3 Hours
The specific pedagogy class taken is determined by a student's major of study.		
MUED	5433	Secondary Vocal Methods
MUED	5843	Instrumental Methods
MUED	5853	Elementary Music Methods
MUS	5202	Adv Vocal Pedagogy
MUS	5453	Music Theory Pedagogy
MUS	5512	Brass Pedagogy
MUS	5522	Woodwind Pedagogy
MUS	5532	String Pedagogy
MUS	5542	Percussion Pedagogy
MUS	5613	Jazz Pedagogy
MUS	5743	Music History Pedagogy
MUS	5882	Piano Pedagogy
MPER	5010	Applied Pedagogy
Music Technology		2 Hours
MUS	5372	Computer Music Tech
Graduate Project or Recital		2-3 Hours
MPER	5822	Graduate Recital
MUS	5980	Graduate Project (3 hours)
MUED	5980	Graduate Project (3 hours)

MPER	5010	Applied Music (may be repeated 3 times or more)
Repertoire/Literature.....		6 Hours
MUS	5323	Piano Literature I
MUS	5333	Piano Literature II
Guided Electives.....		2-4 Hours
Selected from:		
MPER	5010	Applied Piano Pedagogy
MPER	5020	Secondary Applied Music
MPER	5052	Applied Historical Instruments
MPER	5351	Advanced Piano Ensemble
MPER	5421	Advanced Chamber Music

Area 3: Vocal 16-18 Hours

Course Prefix	Course No.	Course Title
Applied Vocal Lessons		8 Hours
MPER	5010	Applied Music (may be repeated 3 times or more)
Repertoire/Literature.....		6 Hours
MUS	5323	British and American Song
MUS	5582	French Mélodie
MUS	5592	German Lieder
Opera.....		1 Hours
MUS	5831	Opera Workshop OR
MUS	5501	Opera Performance
Guided Electives.....		1-3 Hours
May include 1 additional hour of:		
MUS	5831	Opera Workshop OR
MUS	5501	Opera Performance

Choose One Area of Study

Area 1: Instrumental 16-18 Hours

Course Prefix	Course No.	Course Title
Applied Lessons		8-10 Hours
MPER	5010	Applied Music (may be repeated 4 times or more)
Major Ensemble.....		2 Hours
MPER	5291	Wind Symphony OR
MPER	5161	Symphony Orchestra
Chamber Music.....		3 Hours
MPER	5421	Advanced Chamber Music WW/Brass Quintet or String Quartet
Guided Electives.....		4-6 Hours
Strongly recommend:		
MUS	5443	Arts Management
Additional large ensembles or chamber music		

Area 2: Piano..... 16-18 Hours

Course Prefix	Course No.	Course Title
Applied Piano Lessons		8 Hours

Area 4: Multiple Woodwinds 16-18 Hours

Course Prefix	Course No.	Course Title
Applied lessons in woodwind instrument 1		8 Hours
MPER	5010	Applied Music (may be repeated 3 times or more)
Applied lessons in woodwind instrument 2		4-6 Hours
MPER	5010	Applied Music (may be repeated 3 times or more)
Applied lessons in woodwind instrument 3		4-6 Hours
MPER	5010	Applied Music (may be repeated 3 times or more)
Major Ensemble		2 Hours
MPER	5291	Wind Symphony OR
MPER	5161	Symphony Orchestra
Students are encouraged participate in additional large ensembles, small ensembles, and chamber music beyond the required 2 hours.		

TOTAL HOURS REQUIRED 32 HOURS

Program: Music **Dept:** Music
Major: Musical Theatre **College:** Fine Arts & Design
Degree: Master of Music (M.M.) **Major Code:** 1618

Music - Musical Theatre, M.M.

The Musical Theatre major will help prepare students in the field of music performance develop a higher level of proficiency in performing and directing musical theatre in a variety of contexts, culminating in a recital and/or special performance.

This major also allows individuals to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Coordinator: Dr. Sam Magrill
 Email: smagrill@uco.edu
 Office: MUS 220
 Phone: 405 - 974 - 5684

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. Completion of an appropriate undergraduate program (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates in each major must

successfully complete a culminating project. Musical Theatre majors must complete a supervised project of a nature relevant to professional practice and evaluated by a committee of three members of the graduate faculty in the field.

- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUED	5213	History of Music Education	
MUS	5143	Instrument Ensemble Literature	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	
MUS	5723	History of Performance	
MUS	5743	Music History Pedagogy	
MUS	5753	Studies in Music History	
MUS	5773	History of Instruments	
MUS	5783	History of Opera	

continued...

Program: Music
Major: Musical Theatre continued

Pedagogy.....2-3 Hours		
The specific pedagogy class taken is determined by a student's major of study.		
MUED	5433	Secondary Vocal Methods
MUED	5843	Instrumental Methods
MUED	5853	Elementary Music Methods
MUS	5202	Adv Vocal Pedagogy
MUS	5512	Brass Pedagogy
MUS	5522	Woodwind Pedagogy
MUS	5532	String Pedagogy
MUS	5542	Percussion Pedagogy
MUS	5613	Jazz Pedagogy
MUS	5453	Music Theory Pedagogy
MUS	5743	Music History Pedagogy
MUS	5882	Piano Pedagogy
MPER	5010	Applied Pedagogy
Music Technology2 Hours		
MUS	5372	Computer Music Tech
Graduate Project or Recital2-3 Hours		
MPER	5822	Graduate Recital
MUS	5980	Graduate Project (3 hours)
MUED	5980	Graduate Project (3 hours)

Required Musical Theatre Major Courses 16-18 Hours

Course Prefix	Course No.	Course Title	
Applied Voice Lessons.....			6 Hours
MPER	5010	Applied Music (can repeat 4 times or more)	
Musical Theatre Directing			6 Hours
MUS	5213	Music Theatre Directing I	
MUS	5223	Music Theatre Directing II	
Guided Electives.....			4-6 Hours
Could include graduate level courses in Dance or Theatre			

TOTAL HOURS REQUIRED 32 HOURS

Program:	Music	Dept:	Music
Major:	Pedagogy	College:	Fine Arts & Design
Degree:	Master of Music (M.M.)	Major Code:	1634

Music - Pedagogy, M.M.

The Pedagogy major will help prepare students in the field of music pedagogy develop a higher level of proficiency in performing and teaching music in a variety of contexts, offering a well-rounded blend of courses in instrument-specific pedagogy as well as supportive studies. Students may choose from one of two Pedagogy areas: Vocal or Piano.

This major also allows individuals to pursue areas of special and related interest through elective studies. The University of Central Oklahoma is accredited by the National Association of Schools of Music NASM.

Graduate Coordinator:	Dr. Sam Magrill
Email:	smagrill@uco.edu
Office:	MUS 220
Phone:	405 - 974 - 5684

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. Completion of an appropriate undergraduate program (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook. Undergraduate transcripts must show a minimum 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Evidence of a successful audition. Consult the School of Music home page for more details.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Entrance Advisory Examination. Complete the written Entrance Advisory Examination in music history, music theory, and writing skills after admission to the graduate program and prior to attending classes. A passing grade of 70% is required. Students falling below 70% may make up any deficiency in an individual area or areas by enrolling in Music History Survey, Music Theory survey, and Writing About Music as determined by the graduate advisor. These courses must be completed with a grade of B or better.
- Diction. Candidates in the Vocal area of the Pedagogy major must demonstrate proficiency in English, Italian, French, Latin, and German diction through written and aural examination prior to attending classes. Candidates deemed deficient must take the relevant diction courses as determined by the graduate advisor in consultation with the vocal faculty and complete them with a grade of B or higher.
- Plan of Study. Each student must file a plan of study with the graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and

the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Culminating Project. Candidates must successfully complete a culminating project. Candidates in the Vocal area of the Pedagogy major must complete a recital of 40 minutes and a supervised research project of a nature relevant to professional practice and evaluated by a committee of three members of the graduate faculty in the field. Candidates in the Piano area of the Pedagogy major must complete a piano recital of 40 minutes and a supervised project of a nature relevant to piano pedagogy and evaluated by a committee of three members of the graduate faculty in the field.
- Comprehensive Examination. The degree candidate must at the end of study pass a comprehensive examination based on all previous instruction and relevant general knowledge of music. The comprehensive Examination will consist of both written and oral examinations. No later than the final week of the previous semester, the candidate must inform the graduate advisor of the readiness to take the examination in the following semester. The Comprehensive Examination Committee will consist of the candidate's major instructor, one member of the academic music faculty and a member of the graduate faculty in music of the candidate's own choosing.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Core Courses..... 14-16 Hours

Course Prefix	Course No.	Course Title	
Music Research			2 Hours
MUS	5312	Introduction to Music Research	
Music Theory			3 Hours
MUS	5453	Music Theory Pedagogy	
MUS	5463	Studies in Music Theory	
MUS	5493	Advanced Aural Skills	
MUS	5713	Analytical Techniques	
Musicology.....			3 Hours
MUED	5213	History of Music Education	
MUS	5143	Instrument Ensemble Literature	
MUS	5263	Choral Literature	
MUS	5273	History of Music Theatre	
MUS	5633	Jazz History	

continued...

Program:
Major:

Music
Pedagogy continued

MUS	5723	History of Performance
MUS	5743	Music History Pedagogy
MUS	5753	Studies in Music History
MUS	5773	History of Instruments
MUS	5783	History of Opera
Pedagogy.....2-3 Hours		
The specific pedagogy class taken is determined by a student's major of study.		
MUED	5433	Secondary Vocal Methods
MUED	5843	Instrumental Methods
MUED	5853	Elementary Music Methods
MUS	5202	Adv Vocal Pedagogy
MUS	5453	Music Theory Pedagogy
MUS	5512	Brass Pedagogy
MUS	5522	Woodwind Pedagogy
MUS	5532	String Pedagogy
MUS	5542	Percussion Pedagogy
MUS	5613	Jazz Pedagogy
MUS	5743	Music History Pedagogy
MUS	5882	Piano Pedagogy
MPER	5010	Applied Pedagogy
Music Technology2 Hours		
MUS	5372	Computer Music Tech
Graduate Project or Recital2-3 Hours		
MPER	5822	Graduate Recital
MUS	5980	Graduate Project (3 hours)
MUED	5980	Graduate Project (3 hours)

Area 2: Piano Pedagogy..... 16-18 Hours

Course Prefix	Course No.	Course Title	
Applied Piano Lessons.....			8 Hours
MPER	5010	Applied Music (can repeat 3 times or more)	
Piano Pedagogy.....			4 Hours
MUS	5892	Advanced Piano Pedagogy	
MPER	5010	Applied Pedagogy (can repeat 2 times or more)	
Ensemble Collaboration.....			1 Hours
MPER	5351	Advanced Piano Ensemble OR	
MPER	5421	Advanced Chamber Music	
Guided Electives.....			4 Hours
Selected from:			
MUS	5323	Piano Literature I	
MUS	5333	Piano Literature II	
MUS	5343	Arts Management	

TOTAL HOURS REQUIRED 32 HOURS

Choose One Area of Study

Area 1: Vocal Pedagogy..... 16-18 Hours

Course Prefix	Course No.	Course Title	
Applied Vocal Lessons.....			6 Hours
MPER	5010	Applied Music (can repeat 3 times or more)	
Vocal Pedagogy.....			7 Hours
MUS	5561	Vocal Pedagogy Lab	
MUS	5553	History of Vocal Pedagogy	
MUS	5950	Internship in Music (3 Hours)	
Guided Electives.....			4 Hours
Selected from:			
MUS	5572	British and American Song	
MUS	5582	French Melodie	
MUS	5592	German Lieder	

Program:	Jazz Studies	Dept:	Music
Major:	Jazz Studies	College:	Fine Arts and Design
Degree:	Master of Music (M.M.)	Major Code:	1623

Jazz Studies, M.M.

The Master of Music in Jazz Studies is highly specialized and requires students to develop professional level skills with an emphasis in performance or music production. In addition to numerous concert experiences, these professional skills are demonstrated through a graduate recital for the performance emphasis and through a completed CD album for the music production emphasis. Additionally, students will expand abilities in research, academic writing, pedagogy, arranging and composition, history, music technology, and career management at a more comprehensive level than can be obtained as an undergraduate.

For more information, please visit www.ucojazzlab.com and music.uco.edu. The University of Central Oklahoma is accredited by the National Association of Schools of Music (NASM).

Graduate Advisor:	Brian Gorrell
Email:	bgorrell@uco.edu
Office:	UCO Jazz Lab
Phone:	405 - 974-5285

- Residency. Complete at least 24 hours at UCO in the degree program.
- Advisory Committee. Select an advisory committee consisting of the graduate program advisor, the candidate's major applied music instructor, and one additional faculty member. The advisory committee shall serve as jury for the graduate recital and will evaluate the final comprehensive examination.
- Comprehensive Examination. Pass a final comprehensive exam administered by the Jazz Studies Division.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Completion of an appropriate undergraduate degree (or equivalent for international students) and demonstration of at least baccalaureate-level competence in those areas considered common to all undergraduate study in music as outlined in Sections VII or VIII of the National Association of Schools of Music Handbook.
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimal 2.50 GPA overall or 2.75 GPA in the last 60 hours attempted.*
- Evidence of a successful interview and audition on your primary performance medium (instrumental or vocal).
- Evidence of completion of all prerequisites (if any), as determined by the graduate advisor.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students accepted into the program must take the Entrance Advisory Examination in Jazz Studies the week prior to the beginning of the semester. The graduate program advisor will provide date and time.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.

Graduation Requirements

Required Core Courses.....21 Hours

Professional Studies10 Hours

Course Prefix	Course No.	Course Title
MPER	5041	Applied Jazz Improvisation (must be taken 4 times)
MPER	5611	Jazz Ensemble (must be taken 4 times)
MPER	5291	JGraduate Jazz Combo (must be taken 2 times)

Supportive Courses.....11 Hours

Course Prefix	Course No.	Course Title
MUS	5633	Jazz History
MUS	5372	Computer Music Technology
MUS	5653	Jazz & Commercial Music Arranging OR
MPER	5010	AppliedArranging (3 credits) OR
....MPER5010	Applied Jazz Composition (3 credits)
MUS	5443	Arts Management OR
MUED	5743	Music Administration

Choose One Area of Emphasis:

Area 1: Performance Emphasis.....13 Hours

Course Prefix	Course No.	Course Title
MPER	5010	Applied Music (8 hours)
MUS	5613	Jazz Pedagogy
MPER	5822	Graduate Recital

continued...

Program: Jazz Studies
Major: Jazz Studies continued

Area 2: Music Production Emphasis 13 Hours

Course Prefix	Course No.	Course Title
MPER	5010	Applied Music (4 hours)
MUS	5383	Advanced Recording Technology OR
MPER 5010	Applied Recording Technology (3 credits)
MUS	5662	CD Album Pre-Production
MUS	5674	CD Album Production

TOTAL MINIMUM HOURS REQUIRED 34 HOURS



COLLEGE OF
Liberal Arts

ACADEMIC DEGREE PROGRAMS

College of Liberal Arts

Liberal Arts South, Room 250

Telephone: 405 - 974-5540

Fax: 405 - 974-3823

Email: emaier@uco.edu

Website: www.uco.edu/cla

Dr. Elizabeth Maier, Dean
Dr. Theresa Vaughan, Associate Dean
Dr. Nicole Warehime, Assistant Dean
Dr. Guillermo Martinez-Sotelo, Assistant Dean

Department Chairs and School Director

Dr. Amanda Putnam, Chair, English
Dr. Kate Huber, Assistant Chair
Dr. Katrina Lacher, Chair, History and Geography
Dr. Marc Goulding, Assistant Chair
Dr. Reid Weber, Chair, Humanities and Philosophy
Dr. Jerry Green, Assistant Chair
Dr. Mike Breslin, Chair, Mass Communication
Mr. Mark Zimmerman, Assistant Chair
Dr. Catherine Webster, Interim Chair, Modern Languages, Literatures, and Cultural Studies
Dr. Sophia Clark, Interim Assistant Chair
Dr. Kenneth Kickham, Chair, Political Science
Dr. LaDonna McCune, Chair, Sociology, Gerontology, and Substance Abuse Studies
Dr. Jaime Burns, Director, Criminal Justice

The names of graduate program advisors appear on the program degree sheets on the following pages.

Graduate Offerings of the College of Liberal Arts

Master of Arts (M.A.)

- Addictions Counseling
- Composition and Rhetoric
- Creative Writing
- Crime Intelligence Analysis
- Criminal Justice Management and Administration
- History
- Liberal Studies
- Literature
- Museum Studies
- Political Science
- Political Science–International Affairs
- Strategic Communications–Leadership in Communications (*Exclusively Online*)
- TESL

Master of Public Administration (M.P.A.)

- Public & Nonprofit Management (*Available Online*)
- Urban Management (*Available Online*)

Graduate Certificate

- Disaster Management (*Available Online*)
- Policy Analysis (*Exclusively Online*)

Program: Addictions Counseling **Dept:** Sociology, Gerontology and Substance Abuse Studies
Major: Addictions Counseling **College:** Liberal Arts
Degree: Master of Arts (M.A.) **Major Code:** 5641

Addictions Counseling, M.A.

The Oklahoma state legislature created a license for substance abuse counselors in 2004. Among the innovations contained in this law was the requirement that a licensed alcohol and drug counselor (LADC) not only have a master’s degree but that the degree shall be in “...alcohol and substance abuse counseling...” or a master’s degree in a behavioral science or counseling related field which is “content-equivalent” to a graduate degree in alcohol and substance abuse counseling. The law also specifies knowledge areas known as “the twelve core functions” as well as graduate hours (Title 59. Chapter 43B-Licensed Alcohol and Drug).

The graduate degree in substance abuse studies will assist students to develop their skills not only in the therapeutic areas, but also in the area of social advocacy for better treatment/facilities. Leadership/management skill development will be stressed in order to keep pace with the field’s quickly evolving standards of best practices and legal/political changes. Moreover, the graduate degree will promote sound research supporting proper advancements in the treatment of the debilitating diseases of substance abuse and dependency. Training students to be competent licensed professionals in their field supports both primary goals of the UCO Mission Statement: 1) to provide excellent education enabling students to achieve their intellectual, professional, personal, and creative potential; and 2) to contribute to the intellectual, cultural, economic and social advancement of the communities and individuals it serves.

Graduate Advisor: Dr. J. Keith Killian
Email: jkillian@uco.edu
Office: LAN 203E
Phone: 405 - 974 - 5534

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- A student may be admitted by one of the two following methods:
 - A minimum 2.75 GPA overall OR
 - 3.00 GPA in the last 60 hours.
- Applications will be accepted from candidates possessing a bachelor’s or a master’s degree from an appropriately accredited university/college.
- Applicants shall submit a one (1) page paper at the time of application stating, “Why I will be successful as a Licensed Alcohol and Drug Counselor.”
- Three (3) letters of recommendation submitted by someone you have known academically or professionally for a minimum of two years. Letters of recommendation are requested through the online application portal.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
- Students falling below these standards may qualify for conditional admission.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year.)

- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Thesis or equivalent option:
 - Thesis option: Complete an acceptable thesis and successfully defend it in public. Send two paper copies and one electronic copy of the thesis to the library through Proquest, and submit the thesis’ title page, original signature page, summary and abstract page to the JCGS.
 - Field/Independent study option: Complete field research in Substance Abuse Treatment outcome and Clinical Evaluation as guided by the SAS graduate program advisor, submitting the results in paper form to the graduate advisor. (Three to six hours credit). This research report will be presented in an appropriate setting as designated by the SAS graduate program advisor. (e.g., Graduate classroom, Symposium, Awareness event, etc.).
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher;
 - No more than six hours of “C” and,
 - No more than six advisor-approved hours from traditional correspondence course.
 - Thirty-six hours of the required curriculum
 - Three to six hours of practicum.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses..... 42-45 Hours

Course Prefix	Course No.	Course Title
SAS	5113	Foundations of Addiction
SAS	5223	Advanced Individual Counseling
SAS	5313	Advanced Family Counseling

continued...

Program: Addictions Counseling
Major: Addictions Counseling

SAS	5323	Psychopharmacology and Neurobiology of Addiction
SAS	5353	Advanced Group Dynamics
SAS	5413	Psychopathology and Co-occurring Disorders
SAS	5433	Advanced Human Development for Substance Abuse Professionals
SAS	5443	Family Systems Theory
SAS	5513	Advanced Family Counseling for Co-occurring Disorders
SAS	5523	Cultural Sensitivity for Addiction Treatment
SAS	5613	Research in Substance Abuse Studies
SAS	5633	Trauma Counseling
SAS	5900	Practicum (3 - 6 hrs)
SAS	5893	Capstone in Substance Abuse Studies (3 hrs)

TOTAL HOURS REQUIRED42-45 HOURS

Accelerated Degree Pathway: BA to MA

Accelerated Degree Pathway students who are accepted into B.A. in Sociology or Sociology – Substance Abuse Studies, may apply to take 5000-level courses up to a maximum of nine hours during their senior year of the bachelor’s degree. These courses will count toward both the B.A. degree and M.A. in Addictions Counseling. The approved graduate courses are: SAS 5313 Advanced Family Counseling, SAS 5523 Cultural Sensitivity for Addiction Treatment, SAS 5353 Advanced Group Dynamics. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Program: Certificate in Disaster Management

Dept:

Political Science

College:

Liberal Arts

Code:

5689

Certificate in Disaster Management - Available Online

Open to both degree and non-degree students and designed to enhance analytic skills, the certificate emphasizes the social, political, and administrative aspects of disaster management. With human and economic asset exposures and vulnerabilities increasing, reducing the impact of emergencies and disasters is crucial to societal well-being and sustainability in the 21st century. Designed to complement the strengths of more discipline-based graduate degree programs, the 12-hour certificate will be a valuable addition to those programs as well as serving as a standalone certificate for non-degree students.

Coordinator:

Dr. Alyssa Provencio

Email:

aprovencio@uco.edu

Office:

LAN 100B

Phone:

405 - 974 - 5537

Admission Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission (www.uco.edu/graduate/).
- Bachelor’s or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75 or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the graduate program advisor before it can be considered official.
- Overall 3.00 GPA or higher.
- 50% of course hours must be completed in residence.
- No more than one “C” letter grade and no grade lower than a “C.”
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of “D” or lower will apply to the degree requirements.

Required Courses.....12 Hours

Course Prefix	Course No.	Course Title
POL	5053	Public Administration Dynamics
POL	5193	Public Financing and Budgeting
POL	5383	Fundamentals of Emergency Management
POL	5793	Managing Public Sector Crises

TOTAL HOURS REQUIRED.....12 HOURS

Program:	Certificate in Policy Analysis	Dept:	Political Science
		College:	Liberal Arts
		Code:	5688

Certificate in Policy Analysis - Exclusively Online

The Certificate in Policy Analysis (CPA), open to both graduate level degree and graduate level non-degree seeking students, prepares matriculates for a wide variety of leadership roles in the growing field of policy analysis. Training and credentials are offered for successful careers in public, nonprofit and for-profit sectors.

Grounded in mastery of statistical techniques and research methodologies including, but not limited to, probability theory, bivariate, and multivariate techniques through regression, students learn the methods and procedures of policy analysis, program evaluation, and the intricacies of legitimate authority through the lens of administrative law as applied to federal, state, local and tribal governments.

The 12-hour CPA serves as a standalone certificate for non-degree students while it complements the strengths of more discipline-based graduate degree programs as an invaluable skill-based addition.

Coordinator: Dr. Elizabeth Overman
 Email: EOverman@uco.edu
 Office: LAN 101K
 Phone: 405 - 974 - 5530

Admission Requirements

Also see below for additional requirements based on type of admission.

- Online application for admission (www.uco.edu/graduate/).
- Bachelor’s or advanced degree from an appropriately accredited institution, with an overall grade point average (GPA) of 2.75 or above. Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from appropriately accredited institutions.
- Evidence of English language proficiency, if not a native speaker. See [Admission to Graduate Studies - English Language Proficiency](#) (pp. 17-18).

Other Requirements

- Plan of Study. Students must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the graduate program advisor before it can be considered official.
- Overall 3.00 GPA or higher.
- 50% of course hours must be completed in residence.
- No more than one “C” letter grade and no grade lower than a “C.”
- Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of “D” or lower will apply to the degree requirements.

Required Courses.....12 Hours

Course Prefix	Course No.	Course Title
POL	5033	Research Methods
POL	5413	Public Policy Analysis
POL	5513	Public Program Evaluation
POL	5483	Administrative Law

TOTAL HOURS REQUIRED.....12 HOURS

Program:	Composition and Rhetoric	Dept:	English
Major:	Composition and Rhetoric	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5700

Composition and Rhetoric, M.A.

The master's degree in Composition and Rhetoric provides focused study in composition pedagogy, the history of rhetoric, and composition and rhetorical theory and prepares students for post-secondary teaching and doctoral-level research in these fields.

Graduate Advisor:	Dr. Kate Huber
Email:	khuber1@uco.edu
Office:	LAN 105D
Phone:	405 - 974 - 5631

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Transcripts must show:
 - A minimum 3.0 undergraduate GPA (overall) or 3.0 undergraduate GPA (last 60 hours completed); and 18 hours of English (3000- or above) with a 3.0 GPA.
 - Students may gain conditional admission by achieving a score of 150 (verbal) and 4.5 (analytical writing) on the Graduate Record Examination (GRE).
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see Accelerated Degree Pathways on p.196).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year)
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the

- graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
 - At least 21 of the 33 total hours must be in Graduate English courses.
- Language Requirement. Demonstrate reading knowledge of a second language in one of the following ways:
 - Achieve a level of Advanced Low on higher on an ACTFL Reading Test.
 - Earn a "C" or better in a minimum of six credit hours in a single second language at the University of Central Oklahoma. These hours will not count toward the M.A. degree.
 - Produce evidence of having earned a "C" or better in a minimum of six credit hours in a single second language at an approved college or university. These hours will not count toward the M.A. degree.
- Thesis or Portfolio Requirement. Complete an acceptable thesis, including an oral defense, or portfolio, including an oral examination.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Theory and Research Core.....9 Hours

Course Prefix	Course No.	Course Title
ENG	5013	Approaches to Graduate Studies
ENG	5643	Theories and Methods of Cultural Study
ENG	5743	Theoretical Approaches to Literature

Required Courses.....9 Hours

Course Prefix	Course No.	Course Title
ENG	5553	History of Rhetoric
ENG	5723	Composition Pedagogies
ENG	5783	Composition Theory and Research

English Electives.....9 Hours

Nine hours of English (ENG) coursework at the 5000-level with a focus on Rhetoric or Technical Writing, with advisor approval.

Approved Electives.....3 Hours

Three hours of 5000-level coursework in English or a related field, with advisor approval.

Capstone Experience3 Hours

Course Prefix	Course No.	Course Title
ENG	5793	Graduate Studies Portfolio, OR
ENG	5990	Thesis

TOTAL HOURS REQUIRED 33 HOURS

Accelerated Degree Pathway: BA to MA

Students enrolled in the Technical Writing B.A. program who are accepted into the Accelerated Degree Pathway for the Composition and Rhetoric M.A. program may take 5000-level courses up to a maximum of 10 hours during the senior year of the bachelor's degree. These courses will count toward both the B.A. and M.A. degrees. The approved graduate courses are ENG 5303 Technical Editing, ENG 5473 Advanced Composition, and ENG 5493 Document Design. Admission requires a 3.0 undergraduate GPA and approval of the Technical Writing/Composition and Rhetoric B.A./M.A. Committee.

Program:	Creative Writing	Dept:	English
Major:	Creative Writing	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5710

Creative Writing, M.A.

Students seeking the master's degree in Creative Writing pursue a program of study that includes both writing workshops and historically focused literature seminars. Students in the program are required to complete a thesis consisting of an original, sustained creative work.

Graduate Advisor:	Dr. Tobias Wray
Email:	twray1@uco.edu
Office:	LAN 105F
Phone:	405 - 974 - 5614

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Transcripts must show:
 - A minimum 3.0 undergraduate GPA (overall) or 3.0 undergraduate GPA (last 60 hours completed); and 18 hours of English (3000- or above) with a 3.0 GPA.
 - Students may gain conditional admission by achieving a score of 150 (verbal) and 4.5 (analytical writing) on the Graduate Record Examination (GRE).
- Writing Sample: A 20-page (double-spaced) writing sample in a single approved creative writing genre (section of novel, short story, poems, screenplay, or creative nonfiction essay)
- A two-page (double-spaced) essay detailing the applicant's reading habits.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
 - At least 21 of 33 total hours must be in Graduate English courses
- Language Requirement. Demonstrate reading knowledge of a second in one of the following ways:
 - Achieve a level of Advanced Low or higher on an ACTFL Reading Test.
 - Earn a "C" or better in a minimum of six credit hours in a single second language at the University of Central

Oklahoma. These hours will not count toward the M.A. degree.

- Produce evidence of having earned a "C" or better in a minimum of six credit hours in a single second language at an approved college or university. These hours will not count toward the M.A. degree.
- Thesis Requirement. Complete an acceptable thesis, including an oral defense.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements**Theory & Research Core.....9 Hours**

Course Prefix	Course No.	Course Title
ENG	5013	Approaches to Graduate Studies
ENG	5643	Theories and Methods of Cultural Study
ENG	5743	Theoretical Approaches to Literature

Required Literature Seminars9 Hours

Course Prefix	Course No.	Course Title
ENG	5910	Seminar / Special Topics <i>with advisor approval</i>

Applied Writing Courses.....9 Hours

Nine hours of Creative Studies (CSDY) coursework, 6 Hours of which focuses on the genre on the Thesis

Approved Electives3 Hours

Three hours of Creative Studies (CSDY) or English (ENG) Coursework, with Advisor Approval

Capstone Experience3 Hours

Course Prefix	Course No.	Course Title
CSDY	5990	Thesis

TOTAL HOURS REQUIRED33 Hours

Program: Crime and Intelligence Analysis
Major: Crime and Intelligence Analysis
Degree: Master of Arts (M.A.)

Dept: School of Criminal Justice
College: Liberal Arts
Major Code: 5660

Crime and Intelligence Analysis, M.A.

The master's degree in Crime and Intelligence Analysis is designed to offer students a foundation of comparative studies, statistical analysis and technological courses that have an emphasis on information/intelligence evaluation and reporting. The classes present both a theoretical and practical approach to develop general tools of research, writing and analysis. A selection of elective courses allow students to investigate particular areas of interest and the interdisciplinary nature of the electives provide additional skill sets necessary for developing a global perspective.

Graduate Advisor: Dr. Shawna Cleary
 Email: scleary@uco.edu
 Office: COM 115F
 Phone: 405 - 974 - 5841

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show a minimum of six undergraduate hours with an earned grade of "C" or higher as follows: CJ 4113 Research Methods in Criminal Justice or CJ 4043 Intro to Criminal Justice Statistics and SOC 3633 Criminology **OR** CJ 3633 Criminology.
- To be admitted, students must meet at least one of the following criteria.
 - A 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - A GRE minimum score of 150 Verbal and 145 Quantitative and a 5 or better on the writing exam of the GRE.
 - Possess a master's degree from an accredited university/college with an overall GPA of 3.00.
- A two-page statement of purpose for obtaining this degree and a writing sample as directed by the graduate program advisor.
- One letter of recommendation from an academic professional. Letters of recommendation are requested through the online application portal.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year)
- The undergraduate student must have a minimum overall

undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Courses.....21 Hours

Course Prefix	Course No.	Course Title
CJ	5223	Design and Analysis in Crime Justice Research
CJ	5253	Crime and Intelligence Analysis
CJ	5333	Comparative Criminal Justice Systems
CJ	5353	Environmental Criminology and Crime Analysis
CJ	5553	Crime Analysis Field Work
CJ	5543	Technologies in Crime and Intelligence Analysis
CJ	5833	Pro-seminar in Criminal Justice

Guided Electives.....9 Hours

Course Prefix	Course No.	Course Title
CJ	5043	Modern Criminal Investigations
CJ	5133	Correctional Systems Mgmt and Admin
CJ	5243	Introduction to CJ Statistics
CJ	5323	Victimology
CJ	5523	Cyber Crime
CJ	5533	White Collar Crime
CJ	5633	Terrorism and Homeland Security
CJ	5643	Advanced Crime Theory

Complete six hours of any graduate level History/Geography/Political Science/Criminal Justice Electives6 Hours

TOTAL HOURS REQUIRED 36 HOURS

continued...

Program: Crime and Intelligence Analysis
Major: Crime and Intelligence Analysis

Accelerated Degree Pathway: BA to MA

Students accepted to the undergraduate degree in Criminal Justice - Police may apply to take up to nine hours of approved 5000-level Criminal Justice courses during the senior year of their bachelor's degree. The courses will count toward both the B.A. in Criminal Justice - Police and the M.A. in Crime and Intelligence Analysis. Any 5000-level course in Criminal Justice with an undergraduate counterpart may be counted with the approval of the graduate director. During the last semester of the junior year, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Accelerated Degree Pathway: BA to MA

Students accepted to the undergraduate degree in Criminal Justice – Corrections and Transformative Justice may apply to take up to nine hours of approved 5000-level Criminal Justice courses during the senior year of their bachelor's degree. The courses will count toward both the B.A. in Criminal Justice - Corrections and Transformative Justice and the M.A. in Crime and Intelligence Analysis. Any 5000-level course in Criminal Justice with an undergraduate counterpart may be counted with the approval of the graduate director. During the last semester of the junior year, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Accelerated Degree Pathway: BA to MA

Students accepted to the undergraduate degree in Criminal Justice – General Criminal Justice may apply to take up to nine hours of approved 5000-level Criminal Justice courses during the senior year of their bachelor's degree. The courses will count toward both the B.A. in Criminal Justice - General Criminal Justice and the M.A. in Crime and Intelligence Analysis. Any 5000-level course in Criminal Justice with an undergraduate counterpart may be counted with the approval of the graduate director. During the last semester of the junior year, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Program: Criminal Justice Management and Administration
Major: Criminal Justice Management and Administration
Degree: Master of Arts (M.A.)

Dept: School of Criminal Justice
College: Liberal Arts
Major Code: 5631

Criminal Justice Management and Administration, M.A.

The Master of Arts in Criminal Justice Management and Administration degree program is designed to meet Oklahoma’s needs for graduate education in the area of criminal justice management and administration. The curriculum provides those individuals who have a bachelor’s degree in criminal justice or a related field, are presently employed in a criminal justice environment, or want to work in the field of criminal justice an opportunity to advance their skills and knowledge to qualify them for specialized job opportunities in the area of criminal justice. The curriculum also encourages the development of the student’s critical, analytical, and creative abilities related to the subject area. This is accomplished by the development of research skills, class work, and out-of-class projects and practicums.

Graduate Advisor: **Dr. Shawna Cleary**
 Email: scleary@uco.edu
 Office: COM 115F
 Phone: 405 - 974 - 5841

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show a minimum of six undergraduate hours with an earned grade of “C” or higher as follows: CJ 4113 Research Methods in CJ or CJ 4043 Intro to CJ Statistics and SOC 3633 Criminology, **OR** CJ 3633 Criminology.
- To be admitted, students must meet at least one of the following criteria.*
 - A 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - A GRE minimum score of 150 Verbal and 145 Quantitative and a 5 or better on the writing exam of the GRE
 - Possess a master’s degree from an accredited university/college with an overall GPA of 3.00.
- Students falling below this standard may qualify for conditional admission. See Admission to Graduate Studies section.
- A two-page statement of purpose for obtaining this degree and a writing sample as directed by the graduate program advisor.
- One letter of recommendation from an academic professional. Letters of recommendation are requested through the online application portal.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as “senior”

standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year

- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required Courses.....15 Hours

Course Prefix	Course No.	Course Title
CJ	5013	Juvenile Justice Systems Mgmt. & Admin.
CJ	5053	Principles of Mgmt. in CJ Organizations
CJ	5153	Research and Planning
CJ	5233	Writing and Evaluating Research
CJ	5643	Advanced Crime Theory

Electives21 Hours

All students must select either the Thesis or Comprehensive Examination Option.

Thesis Option

- Fifteen hours from the following areas: business, computer science, criminal justice, psychology, political science, sociology, substance abuse studies or other courses approved by advisor.
- Thesis option: Complete an acceptable thesis and successfully defend it in public. Send two paper copies and one electronic copy of the thesis to the library through Proquest, and submit the thesis’ title page, original signature page, summary and abstract page to the JCGS.

Non-Thesis Option

- Twenty-one hours from the following areas: business, computer science, criminal justice, psychology, political science, sociology, substance abuse studies or other

continued...

Program: Criminal Justice Management and Administration
Major: Criminal Justice Management and Administration

courses approved by advisor.

- **Comprehensive Examination:** A minimum score of 75% overall is required on a comprehensive examination. The student may take the comprehensive exam twice without penalty. If the student fails the comprehensive exam the second time, additional coursework may be required by the advisor before the student is allowed to take the comprehensive examination again. Students have a maximum of two years after completion of all other degree requirements to satisfactorily score the minimum required on the comprehensive exam. Alteration of this time limitation is not guaranteed.

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: BA to MA

Students accepted to the undergraduate degree in Criminal Justice - Police may apply to take up to nine hours of approved 5000-level Criminal Justice courses during the senior year of their bachelor's degree. The courses will count toward both the B.A. in Criminal Justice - Police and the M.A. in Criminal Justice Management and Administration. Any 5000-level course in Criminal Justice with an undergraduate counterpart may be counted with the approval of the graduate director. During the last semester of the junior year, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Accelerated Degree Pathway: BA to MA

Students accepted to the undergraduate degree in Criminal Justice – Corrections and Transformative Justice may apply to take up to nine hours of approved 5000-level Criminal Justice courses during the senior year of their bachelor's degree. The courses will count toward both the B.A. in Criminal Justice - Corrections and Transformative Justice and the M.A. in Criminal Justice Management and Administration. Any 5000-level course in Criminal Justice with an undergraduate counterpart may be counted with the approval of the graduate director. During the last semester of the junior year, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Accelerated Degree Pathway: BA to MA

Students accepted to the undergraduate degree in Criminal Justice – General Criminal Justice may apply to take up to nine hours of approved 5000-level Criminal Justice courses during the senior year of their bachelor's degree. The courses will count toward both the B.A. in Criminal Justice - General Criminal Justice and the M.A. in Criminal Justice Management and Administration. Any 5000-level course in Criminal Justice with an undergraduate counterpart may be counted with the approval of the graduate director. During the last semester of the junior year, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Program: History **Dept:** History & Geography
Major: History **College:** Liberal Arts
Degree: Master of Arts (M.A.) **Major Code:** 5610

History, M.A.

The master’s degree in History is designed to promote professional development, critical thinking, civic skills and awareness and understanding of diverse cultures.

Graduate Advisor: Dr. Andrew Magnusson
 Email: amagnusson@uco.edu
 Office: LAN 200C
 Phone: 405 - 974 - 5273

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- One-page cover letter (statement of interest) explaining why the applicant wishes to pursue the M.A. in history.
- Writing sample (research paper or seminar paper) demonstrating adequate research ability as determined by the graduate program director and the Chair of the Department of History and Geography. If paper does not demonstrate adequate research ability, student may be required to enroll in Historical Research 3113.
- Two letters of recommendation. Letters of recommendation are requested through the online application portal.
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Complete 18 undergraduate hours in History with a GPA of 3.0.
 - Complete HIST 3113 Historical Research with a minimum grade of “B” or be able to demonstrate research ability as determined by the graduate program director and the Chair of the Department of History and Geography. HIST 3113 may count as part of the 18 undergraduate hours in History (in part b.)
- The Graduate Records Examination (GRE) may be used for admission if the undergraduate GPA does not meet the minimum required. A score of 150 on the verbal portion and 4.0 on the writing assessment is required. See graduate program director for further information on the GRE score changes.
- Complete other prerequisites (if any) as determined by the graduate program director.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with graduate program director and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program director before it can be considered official.
- Create an Advisory Committee before the second semester of enrollment.
 - Advisory Committee consists of three faculty members.
 - One member of the Advisory Committee will serve as

- chairperson and will assume the major responsibility for advising the student.
- The graduate program director will maintain all student records and will serve as an advisor in supervising the student’s progress toward a degree.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of “C”.
 - No more than six director-approved hours from traditional correspondence courses.
- Language Requirement. Demonstrate reading knowledge of a second language in one of the following ways:
 - Pass a language examination administered by a faculty member or testing service, as approved by the graduate advisor and the department’s graduate committee.
 - Produce evidence of having earned a “C” or better in two sequenced courses in a single second language (6 to 10 credit hours) at an accredited college or university. These hours will not count toward the M.A. degree.
- Thesis or Comprehensive Examination Option.
 - Thesis Option: Prepare a prospectus and meet with the advisory committee during the early stages of thesis work for review and feedback. Complete an acceptable thesis (six credit hours) and successfully defend it in public, provide two paper copies of the thesis and one electronic copy to the library through Proquest and the title page, original signature page, summary and abstract page to the JCGS.
 - Comprehensive Examination Option: Upon satisfactory completion of the written examination, the student will take a one-hour oral examination administered by the advisory committee.
 - Achieve a minimum score of “pass” on the thesis defense or comprehensive examination. With the approval of the graduate program director, a student who fails the thesis defense or comprehensive examination may petition to be reexamined in the graduate examination period the following semester.
- Final Requirement: Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....12 Hours

Course Prefix	Course No.	Course Title
HIST	5013	Historiography
HIST	5023	Graduate Colloquium
HIST	5033	Graduate Readings
HIST	5043	Graduate Research

Guided Electives in History12 Hours

5000-level history courses with advisor’s approval.

continued...

Program: History
Major: History

General Electives or Thesis.....9 Hours

Three 5000-level courses or six thesis hours with advisor's approval and one 5000-level course. All students must select either the thesis or comprehensive examination option.

TOTAL HOURS REQUIRED 33 HOURS

Program:	Liberal Studies	Dept:	Humanities and Philosophy
Major:	Liberal Studies	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5690

Liberal Studies, M.A.

Students who have completed a Master of Arts in Liberal Studies will be expected to exhibit enhanced capacities for both “analytic” and “synthetic” thought, particularly in the areas of critical inquiry and aesthetic analysis. In addition to the “who, what, where, and when” or the content of their educational experience, students will focus on the more important issues of “why and how”. These cognitive skills will be particularly evidenced in the analysis of diverse civilizations and their creative and philosophic contributions to the global community.

The objectives of the Liberal Studies program are:

- Students will think and write critically about the major traditions of civilizations around the globe;
- Students will comprehend the fundamental systems of analysis for a multitude of cultural disciplines, such as architecture, art, history, literature, music philosophy, and religion, while understanding the interrelatedness of these subsets of the humanities;
- Students will apply these critical skills toward analysis of global cultures and cultural products;
- Students will learn to identify the core creative processes used in the construction of products of human cultures, such as architecture, art, history, literature, music, philosophy, and religion;
- Students will synthesize the fundamental components of citizenship by engaging the various civilizations and creative traditions of the globe, with an emphasis on the Western tradition.

Graduate Advisor:	Dr. Syd Morrow
Email:	smorrow11@uco.edu
Office:	LAN 205F
Phone:	405 - 974 - 5621

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from an accredited institution. Transcripts must show a minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
- Completion of 18 hours in one or more disciplines of the Liberal Arts with a minimum GPA of 3.00
- The Graduate Records Examination (GRE) may be used for admission if the undergraduate GPA does not meet the minimum requirement. A score of 153 (500 on the unrevised score scale) on the verbal portion and a 4.0 on the writing assessment is required.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Other Requirements

- Plan of Study. Each student must develop a Plan of Study with his/her graduate program advisor and file it with the Jackson College of Graduate Studies (JCGS) by the end of his/her first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher;
 - No more than six (6) hours of “C”; and
 - No more than six (6) advisor-approved hours from traditional correspondence courses (i.e., S.P.O.C. courses).
- Thesis or Comprehensive Examination Options:

- Thesis Option:
 - Complete a thesis (with a minimum of three hours and a maximum of six);
 - Successfully defend it in a public and preannounced oral defense;
 - Provide two paper copies of the thesis and one electronic copy to the library through Proquest, and the title page, original signature page, and abstract page to the JCGS.
- Comprehensive Examination Option
 - Write a four- to six-hour examination on the designated examination day. The examination may be done either by hand or on a laptop provided by the department.
 - Upon satisfactory completion of the written exam, the student will take a one-hour oral examination administered by his or her advisory committee.
 - In the event of unsatisfactory performance on either the defense of the thesis or the comprehensive examination, the student may petition to be re-examined at later date determined by the Graduate Advisor. Re-examination or re-defending a thesis will be allowed only twice.

Graduation Requirements

Required Courses.....13 Hours

Course Prefix	Course No.	Course Title
HUM	5113	Ancient Traditions
HUM	5133	Medieval Traditions
HUM	5203	Early Modern Traditions
HUM	5213	Modern and Contemporary Traditions
HUM	5521	Methods for Liberal Studies

Guided Electives.....21 Hours

All students must select either the thesis or comprehensive examination option.

Up to six hours taken in other UCO programs, with approval from Graduate Advisor.

continued...

Program: Liberal Studies
Major: Liberal Studies continued

Course Prefix	Course No.	Course Title
HUM	5083	Advanced Film Criticism
HUM	5103	World Religions
HUM	5123	Pagan Europe
HUM	5143	Women, Witches, and Religion
HUM	5153	Enlightenment Traditions
HUM	5163	The Heroic Tradition
HUM	5173	Eastern Traditions
HUM	5183	Romantic Traditions
HUM	5233	Anthropology of Religion
HUM	5243	Women in the Humanities
HUM	5303	National Cinemas
HUM	5433	The Origins of the Bible
HUM	5513	Dante's Inferno
HUM	5603	Medieval Folklore
PHIL	5163	Philosophy of Science
PHIL	5183	Philosophical Issues in Social Science
PHIL	5233	Philosophy of Language
PHIL	5323	Philosophy of Religion
PHIL	5343	Philosophy of Morality
PHIL	5363	Philosophy of History
PHIL	5433	On Human Nature

TOTAL HOURS REQUIRED 34 HOURS

Program:	Literature	Dept:	English
Major:	Literature	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5720 or 5721

Literature, M.A.

Students seeking the master's degree in Literature pursue a program of studies in literature, culture, and media, focusing on an extensive range of authors, genres, and historical periods.

Graduate Advisor

Dr. Kate Huber
 Email: khuber1@uco.edu
 Office: LAN 105D
 Phone: 405 - 974 - 5631

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Transcripts must show:
 - A minimum 3.0 undergraduate GPA (overall) or 3.0 undergraduate GPA (last 60 hours completed); and 18 hours of English (3000- or above) with a 3.0 GPA.
 - Students may gain conditional admission by achieving a score of 150 (verbal) and 4.5 (analytical writing) on the Graduate Record Examination (GRE).
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
 - At least 21 of 33 total hours must be in Graduate English courses.
- Language Requirement. Demonstrate reading knowledge of a second language in one of the following ways:
 - Achieve a level of Advanced Low or higher on an ACTFL Reading Test.
 - Earn a "C" or better in a minimum of six credit hours in a single second language at the University of Central Oklahoma. These hours will not count toward the M.A. degree.
 - Produce evidence of having earned a "C" or better in a minimum of six credit hours in a single second language

at an approved college or university. These hours will not count toward the M.A. degree.

- Thesis or Portfolio Requirement. Complete an acceptable thesis, including an oral defense, or portfolio, including an oral examination.
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements**Theory and Research Core9 Hours**

Course Prefix	Course No.	Course Title
ENG	5013	Approaches to Graduate Studies
ENG	5643	Theories and Methods of Cultural Study
ENG	5743	Theoretical Approaches to Literature

Required Literature Seminars9 Hours

Course Prefix	Course No.	Course Title
ENG	5910	Seminar / Special Topics <i>with advisor approval</i>

Approved Electives12 Hours

12 hours of English (ENG) coursework, with advisor approval

Capstone Experience3 Hours

Course Prefix	Course No.	Course Title
ENG	5793	Graduate Studies Portfolio, OR
ENG	5990	Thesis

TOTAL HOURS REQUIRED 33 HOURS

Program:	Museum Studies	Dept:	History & Geography
Major:	Museum Studies	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5740

Museum Studies, M.A.

The degree program is designed to promote professional development and advancement in museum studies, public history, archives, and tribal museums and cultural centers.

Graduate Advisor:	Dr. Andrew Magnusson
Email:	amagnusson@uco.edu
Office:	LAN 200C
Phone:	405 - 974 - 5273

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- One-page cover letter (statement of interest) explaining why the applicant wishes to pursue the M.A. in Museum Studies.
- Writing sample (research paper or seminar paper) demonstrating adequate research ability as determined by the graduate program director and the department's graduate committee.
- Two letters of recommendation.
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate and graduate transcripts from all institutions attended that record a minimum overall GPA of 2.75 or a minimum of 3.00 in the last 60 hours attempted.
- Complete other prerequisites (if any) as determined by the graduate program director.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#)
- Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with graduate program advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program director before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C."
 - No more than six director-approved hours from traditional correspondence courses.
- Language Requirements. Demonstrate reading knowledge of a second language in one of the following ways:
 - Pass a language examination administered by a faculty member or testing service, as approved by the graduate director and the department's graduate committee.
 - Produce evidence of having earned a "C" or better in two sequenced courses in a single second language (6 to 10 credit hours) at an accredited college or university. These hours will not count toward the M.A. degree.
- Museum Studies Project or Thesis or Comprehensive Examination Options.
 - Museum Studies Project Option: Students will be required to research, design, implement and synthesize a project focusing on an important aspect of museum practice and its practical application. Projects will include both production of physical examples or prototypes, as well as an explanatory synthesis covering the research and design rationale and process.
 - Thesis Option: Students will prepare a prospectus and meet with the advisory committee during the early stages of thesis work for review and feedback. Students will complete an acceptable thesis and successfully defend it in public, provide two paper copies of the thesis and one electronic copy to the library through Proquest and the title page, original signature page, summary and abstract page to the Graduate College.
 - Comprehensive Examination Option: Upon satisfactory completion of the written examination, students will take a one-hour oral examination administered by the advisory committee.
 - All Options: Students must achieve a minimum score of "pass" on the museum studies project, thesis defense or comprehensive examination. With approval of the graduate program director, a student who fails the museum studies project, thesis defense, or comprehensive examination may petition to be reexamined in the graduate examination period the following semester.
- Final Requirement: Apply for graduation through the JCGS by advertised deadline.

continued...

Program: Museum Studies
Major: Museum Studies continued

Graduation Requirements**Core Courses12 Hours**

Course Prefix	Course No.	Course Title
HIST	5013	Historiography
HIST	5023	Graduate Colloquium
HIST	5033	Graduate Readings
HIST	5043	Graduate Research

All graduate only courses to be approved by the graduate program director in conjunction with plans of study.

Museum Studies Required Courses12 Hours

Course Prefix	Course No.	Course Title
HIST	5523	Museum Management
HIST	5623	Museum Theory & Practice
HIST	5950	Internship in Museum Studies (6 hours)

Must be under supervision of Director of Museum Studies.

Guided Electives3 Hours

All history electives or other electives must be approved by the student's advisory committee.

Capstone Experience6 Hours

Course Prefix	Course No.	Course Title
HIST	5980	Graduate Project OR
HIST	5990	Thesis

Total Hours Required33 Hours**Accelerated Degree Pathway: BA to MA**

Students who are accepted to the undergraduate degree in Art History may apply to take 5000-level History courses up to a maximum of six hours during their senior year of the bachelor's degree. These courses will count toward both the B.A. in Art History and M.A. in Museum Studies. The approved graduate courses are: HIST 5523 Museum Management (fall only) and HIST 5623 Museum Theory and Practice (spring only). These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Accelerated Degree Pathway: BA to MA

Students who are accepted to the undergraduate degree in History-Museum Studies may apply to take 5000-level History courses up to a maximum of six hours during their senior year of the bachelor's degree. These courses will count toward both the B.A. in History-Museum Studies and the M.A. in Museum Studies. The approved graduate courses are: HIST 5523 Museum Management (fall only) and HIST 5623 Museum Theory and Practice (spring only). These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Program:	Political Science	Dept:	Political Science
Major:	Political Science	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5620

Political Science, M.A.

The master’s degree in Political Science is designed to enable students to achieve competence in political science – teaching, research, government-related work, and related activities – through a program of study in which they acquire appropriate analytical skills, a general knowledge of the discipline, and more specific knowledge of selected sub-fields.

Graduate Advisor:	Dr. Jan Hardt
Email:	jhardt@uco.edu
Office:	LAN 100D
Phone:	405 - 974 - 5840

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- A student may be admitted by one of the three following methods.
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Achieve GRE scores of 150 Verbal and 140 Math, and 4.0 or higher in writing.
 - Possess a Master’s degree or higher from a regionally accredited university/college with an overall GPA of 3.00.
- Complete eighteen (18) undergraduate hours in Political Science and other prerequisites (if any), as determined by the graduate program advisor.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see Accelerated Degree Pathways on p.196).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must develop a Plan of Study with his/her graduate program advisor and file it with the Jackson College of Graduate Studies (JCGS) by the end of his/her first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six (6) hours of “C”.
 - No more than six (6) hours of advisor-approved of independent study courses; and,
 - No more than three (3) hours of advisor approved internship credit.
- Competency Examination. Achieve a minimum score of “pass” on the M.A. Comprehensive Examination in one of the following subject areas: American Politics, International Relations, Comparative Politics, Public Administration, or Public Law. With the approval of the graduate program advisor, a student may retake this examination one time. A second failure will result in dismissal from the program.
- Completion of 36 hours: 24 hours of Required Courses plus Guided Electives, and 12 hours of General Electives.
- Thesis/Capstone Paper. Complete a Capstone Paper or Thesis. Thesis option requires a successful public defense, submission of two paper copies and one electronic copy to the library through Proquest, and the thesis’ original title page, original signature page, and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses..... 15 or 18 Hours
*(15 hours - Capstone option; 18 hours - Thesis option)

Course Prefix	Course No.	Course Title
POL	5023	Scope of the Discipline
POL	5033	Research Methods
POL	5153	American Politics
POL	5813	Political Philosophy
POL	5990	Thesis (6 hours), OR
POL	5983	Capstone Paper (3 hours)

Guided Electives..... 6 or 9 Hours

*(9 hours - Capstone option; 6 hours - Thesis option)

From the following list:

continued...

Program: Political Science
Major: Political Science

Course Prefix	Course No.	Course Title
POL	5223	Presidency & Executive Branch
POL	5253	The Congress
POL	5263	Judicial Process
POL	5603	Theories of International Relations
POL	5703	Theories of Comparative Politics
POL	5910	Seminar in Political Science

General Electives.....12 Hours

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: B.A. to M.A.

Students in the Political Science - Political Science or Political Science - Public Service B.A. programs who are accepted into the Accelerated Degree Pathway for the M.A. in Political Science may enroll in three Political Science graduate-level courses as seniors under the Graduate College's Accelerated Degree Pathway (ADP) program. Students may choose any cross-listed (4000/5000) course or 5000-level course with permission of the Graduate Advisor for Political Science. Admission to the program requires a 3.0 undergraduate GPA and application to and approval of the Graduate Advisor for Political Science.

Program:	Political Science	Dept:	Political Science
Major:	Political Science - International Affairs	College:	Liberal Arts
Degree:	Master of Arts (M.A.)	Major Code:	5621

Political Science – International Affairs, M.A.

The master’s degree in Political Science – International Affairs is designed to enable students to achieve competence in political science – teaching, research, government-related work, and related activities – through a program of study in which they acquire appropriate analytical skills, a general knowledge of the discipline, and more specific knowledge of selected subfields.

Graduate Advisor:	Dr. Jan Hardt
Email:	jhardt@uco.edu
Office:	LAN 100D
Phone:	405 - 974 - 5840

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- A student may be admitted by one of the three following methods.
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Achieve GRE scores of 150 Verbal and 140 Math, and 4.0 or higher in writing.
 - Possess a master’s degree or higher from a regionally accredited university/college with an overall GPA of 3.00.
- Complete eighteen (18) undergraduate hours in Political Science and other prerequisites (if any), as determined by the graduate program advisor.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must develop a Plan of Study with

his/her graduate program advisor and file it with the Jackson College of Graduate Studies (JCGS) by the end of his/her first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six (6) hours of “C”.
 - No more than six (6) hours of advisor-approved of independent study courses; and,
 - No more than three (3) hours of advisor approved internship credit.
- Competency Examination. Achieve a minimum score of “pass” on the M.A. Comprehensive Examination in one of the following subject areas: American Politics, International Relations, Comparative Politics, Public Administration, or Public Law. With the approval of the graduate program advisor, a student may retake this examination one time. A second failure will result in dismissal from the program.
- Completion of 36 hours: 24 hours of Required Courses plus Guided Electives, and 12 hours of General Electives.
- Thesis/Capstone Paper. Complete a Capstone Paper or Thesis. Thesis option requires a successful public defense, submission of two paper copies and one electronic copy to the library through Proquest, and the thesis’ original title page, original signature page, and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses..... 15 or 18 Hours

**(15 hours - Capstone option; 18 hours - Thesis option)*

Course Prefix	Course No.	Course Title
POL	5023	Scope of the Discipline
POL	5033	Research Methods
POL	5153	American Politics
POL	5813	Political Philosophy
POL	5990	Thesis (6 hours), OR
POL	5983	Capstone Paper (3 hours)

Guided Electives..... 6 or 9 Hours

**(9 hours - Capstone option; 6 hours - Thesis option)*

Course Prefix	Course No.	Course Title
POL	5603	Theories of International Relations
POL	5703	Theories of Comparative Politics

General Electives.....12 Hours

TOTAL HOURS REQUIRED 36 HOURS

continued...

Program: Political Science
Major: Political Science - International Affairs

Accelerated Degree Pathway: B.A. to M.A.

Students in the Political Science - Political Science or Political Science - Public Service B.A. programs who are accepted into the Accelerated Degree Pathway for the M.A. in Political Science - International Affairs may enroll in three Political Science graduate-level courses as seniors under the Graduate College's Accelerated Degree Pathway (ADP) program. Students may choose any cross-listed (4000/5000) course or 5000-level course with permission of the Graduate Advisor for Political Science. Admission to the program requires a 3.0 undergraduate GPA and application to and approval of the Graduate Advisor for Political Science.

Program: Public Administration **Dept:** Political Science
Major: Public & Nonprofit Management **College:** Liberal Arts
Degree: Master of Public Administration (M.P.A.) **Major Code:** 5682

Public Administration–Public & Nonprofit Management, M.P.A. - Available Online

As the flagship public service program for Oklahoma’s metropolitan university, the University of Central Oklahoma MPA serves diverse communities by preparing ethical, transformational leaders who creatively and analytically inform public dialogue and manage policy through collaborative action by preparing graduates for careers in government, nonprofit organizations, and other public service fields. The program’s public service values are professionalism, ethical leadership, diverse and global perspectives, and social and environmental justice.

Graduate Advisor: Dr. Jan Hardt
 Email: jhardt@uco.edu
 Office: LAN 100D
 Phone: 405 - 974 - 5840

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- A student may be admitted by one of the three following methods.
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - GRE scores. The student must obtain a score of 150 on the Verbal portion of the GRE, 145 on the Quantitative portion of the GRE, and 4.5 on the Writing portion of the GRE.
 - Possess a master’s degree from an accredited university/college with an overall GPA of 3.00.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must develop a plan of study with his/her program advisor and file it with the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours of independent study courses.
- Course Completion. Completion of 36 hours: 21 hours of core courses including three hours of capstone paper, nine hours selected from guided electives and six hours of general electives.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....24 Hours

Course Prefix	Course No.	Course Title
POL	5033	Research Methods
POL	5053	Public Administration Dynamics
POL	5193	Public Finance and Budgeting
POL	5203	Public Organizational Theory
POL	5413	Public Policy Analysis
POL	5423	Public Executive Leadership
POL	5803	Public Sector Human Resources
POL	5983	Capstone Paper

Guided Electives.....12 Hours

(Courses offered on a rotating basis)

Course Prefix	Course No.	Course Title
GEO	5113	Geographic Information Systems
POL	5013	Urban History of Policy/Admin
POL	5043	Municipal Management
POL	5073	Animals in Public Policy and Law
POL	5123	Budgeting for Cities & States
POL	5133	Problems - State & Urban Government
POL	5153	American Politics
POL	5163	Intergovernmental Relations
POL	5173	Urban Planning and Politics
POL	5353	Ethics in the Public Service
POL	5363	Urban Sustainability
POL	5383	Fund of Emergency Management

continued...

Program: Public Administration
Major: Public & Nonprofit Management

POL	5433	Diversity and Social Justice
POL	5443	Environmental Politics
POL	5453	Cases in Public Administration
POL	5463	Managing Nonprofit Organizations
POL	5483	Administrative Law
POL	5513	Public Program Evaluation
POL	5523	Urban Housing Policy
POL	5533	Dispute Resolution/Negotiation
POL	5543	State Administration and Policy
POL	5563	Sustainable Economic Development
POL	5583	Comparative Public Administration
POL	5593	Gender in Public Administration
POL	5881	Populations at Risk
POL	5783	Health Policy & Administration
POL	5793	Managing Public Sector Crises
POL	5893	State Government Administration and Policy

The following may also be considered when fulfilling guided electives:

Course Prefix	Course No.	Course Title
POL	5900	Practicum in Political Science
POL	5910	Seminar/Special Topics
POL	5920	Workshop
POL	5930	Individual Study in Government
POL	5940	Field Study
POL	5950	Internship
POL	5960	Institute in Political Science
POL	5970	Study Tour

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: B.A. to M.A.

Students in the B.A. Political Science - Political Science or Political Science - Public Service programs wishing to apply for the Accelerated BA/MPA program in Public & Nonprofit Management may enroll in three Public Administration graduate-level courses as seniors under the Graduate College's Accelerated Degree Pathway (ADP) program. Students may choose any cross-listed (4000/5000) course or 5000-level course with permission of the Graduate Advisor for Political Science. Admission to the program requires a 3.0 undergraduate GPA and application to and approval of the Graduate Advisor for Political Science.

Program: Public Administration **Dept:** Political Science
Major: Urban Management **College:** Liberal Arts
Degree: Master of Public Administration (M.P.A.) **Major Code:** 5681

Public Administration–Urban Management, M.P.A. - Available Online

As the flagship public service program for Oklahoma’s metropolitan university, the University of Central Oklahoma MPA serves diverse communities by preparing ethical, transformational leaders who creatively and analytically inform public dialogue and manage policy through collaborative action by preparing graduates for careers in government, nonprofit organizations, and other public service fields. The program’s public service values are professionalism, ethical leadership, diverse and global perspectives, and social and environmental justice.

Graduate Advisor: Dr. Jan Hardt
 Email: jhardt@uco.edu
 Office: LAN 100D
 Phone: 405 - 974 - 5840

Admission Requirements

- Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034
- Online application for admission (www.uco.edu/graduate/).
 - Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
 - A student may be admitted by one of the three following methods.
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - GRE scores. The student must obtain a score of 150 on the Verbal portion of the GRE, 145 on the Quantitative portion of the GRE, and 4.
 - 5 on the Writing portion of the GRE.
 - Possess a master’s degree from an accredited university/college with an overall GPA of 3.00.
 - Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).
**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must develop a plan of study with his/her program advisor and file it with the Jackson College of Graduate Studies (JCGS) by the end of the first semester

of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours of independent study courses.
- Course Completion. Completion of 36 hours: 21 hours of core courses including three hours of capstone paper, nine hours selected from guided electives and nine hours of general electives.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....24 Hours

Course Prefix	Course No.	Course Title
POL	5033	Research Methods
POL	5053	Public Administration Dynamics
POL	5193	Public Finance and Budgeting
POL	5203	Public Organizational Theory
POL	5413	Public Policy Analysis
POL	5423	Public Executive Leadership
POL	5803	Public Sector Human Resources
POL	5983	Capstone Paper

Guided Electives.....12 Hours

(Courses offered on a rotating basis)

Course Prefix	Course No.	Course Title
GEO	5113	Geographic Information Systems
POL	5013	Urban History of Policy/Admin
POL	5043	Municipal Management
POL	5123	Budgeting for Cities and States
POL	5133	Problems - State and Urban Government
POL	5163	Intergovernmental Relations
POL	5173	Urban Planning and Politics
POL	5363	Urban Sustainability
POL	5383	Fundamentals of Emergency Management
POL	5433	Diversity and Social Justice
POL	5443	Environmental Politics
POL	5523	Urban Housing Policy
POL	5563	Sustainable Economic Development
POL	5793	Managing Public Sector Crises

continued...

Program: Public Administration
Major: Urban Management

Other MPA courses may fulfill guided electives with approval by the Graduate Program Advisor.

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: B.A. to M.A.

Students in the B.A. Political Science - Political Science or Political Science - Public Service programs wishing to apply for the Accelerated BA/MPA program in Urban Management may enroll in three Public Administration graduate-level courses as seniors under the Graduate College's Accelerated Degree Pathway (ADP) program. Students may choose any cross-listed (4000/5000) course or 5000-level course with permission of the Graduate Advisor for Political Science. Admission to the program requires a 3.0 undergraduate GPA and application to and approval of the Graduate Advisor for Political Science.

Program: Strategic Communications **Dept:** Mass Communication
Major: Leadership in Communications **College:** Liberal Arts
Degree: Master of Arts (M.A.) **Major Code:** 5750

Strategic Communications--Leadership in Communications, M.A. - Exclusively Online

Leadership in Communications is designed to provide an affordable accessible graduate degree for communications professionals in Oklahoma which will assist in their career development. As job growth continues in the communications industry, this major will encourage upward mobility within the field and further educate the workforce. The degree is designed to help professionals read and conduct research, but also understand and communicate research in a way that assists organizational goals. Students will be equipped to address issues surrounding change, organizational culture, ethics, and technology in the fast-paced and ever-changing communications industry.

Graduate Advisor: Dr. Sherri Ward
 Email: sward20@uco.edu
 Office: COM 207C
 Phone: 405 - 974-5458

Graduate Advisor to complete the admission process.

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadlines for Fall Admission:

Priority Admission –May 15
 Regular Admission –July 15
 Space Available Admission –August 1

Application deadlines for Spring Admission:

Priority Admission –October 1
 Regular Admission –November 15
 Space Available Admission –December 1

Any student who meets the minimum admission requirements is encouraged to submit an application. All applicants are reviewed by an admissions committee who considers all of each applicant’s submitted materials and scores before making offers of admission.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Resume or CV.
- A 500-word personal statement expressing the applicant’s interest in the program, goals and objectives, and any additional information the applicant believes would be helpful for admission decisions.
- A student may be admitted by one of the three following methods.
 - A minimum 2.75 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - GRE scores. Minimum GRE of 300.
 - Possess a master’s degree from an accredited university/college with an overall GPA of 3.00.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Upon notification of acceptance from the Jackson College of Graduate Studies, a student must communicate with the

Other Requirements

- Plan of Study. Each student must develop a plan of study with their program advisor and file it with the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours of independent study courses.

Note: All graduate grades, whether repeated or not, will apply to the graduate GPA calculations. No grade of “D” or lower will apply to the degree requirements.

- Course Completion of 36 hours: 24 or 27 hours of Required Courses plus 9 or 12 hours of Guided Electives.
- Capstone Project/Theses: Complete a Capstone Project or Thesis. Thesis option requires a successful public defense, submission of two paper copies and one electronic copy to the library through Proquest, and the thesis’original title page, original signature page, and abstract page to the JCGS
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses..... 24-27 Hours

Course Prefix	Course No.	Course Title
MCOM	5043	Foundations of Communication Research
MCOM	5103	Data Analysis in Communication
MCOM	5123	Qualitative Research in Communication
MCOM	5683	Managing Change
MCOM	5723	Organizational Culture
MCOM	5833	Communication Theory and Application
MCOM	5843	Crisis & Ethics in Communication
MCOM	5893	Capstone Project (3 hours) OR
MCOM	5990	Thesis (6 hours)

Guided Electives..... 9-12 Hours

Course Prefix	Course No.	Course Title
MCOM	5133	Media Management
MCOM	5313	Women in Media
MCOM	5423	Trauma & Leadership in Communication
MCOM	5433	Nonprofit Communication

continued...

Program: Strategic Communications
Major: Leadership in Communications continued

MCOM	5523	Global Communication
MCOM	5563	Media Law
MCOM	5643	Digital Media Strategy
MCOM	5910	Seminar in Mass Communication

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: BA to MA

Students who are accepted to the undergraduate degrees in Strategic Communications, Mass Communication-Professional Media, Photographic Arts, or Communication-Interpersonal Communication may apply to take 5000-level courses in Mass Communication up to a maximum of ten hours during their senior year of the bachelor's degree. These courses will count toward one of the B.A. programs listed above and in the M.A. in Strategic Communication - Leadership in Communication. The approved graduate courses are: MCOM 5563 Media Law, MCOM 5313 Women in Media, MCOM 5043 Foundations of Communication Research, MCOM 5523 Global Communications, MCOM 5643 Digital Media Strategy, MCOM 5910 Seminar. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Program: TESL **Dept:** English
Major: Teaching English as a Second Language **College:** Liberal Arts
Degree: Master of Arts (M.A.) **Major Code:** 5730

TESL, M.A.

Students seeking the master's degree in Teaching English as a Second Language pursue an interdisciplinary program of studies integrating TESL theory and practice. The program offers courses on TESL theory, methodology, and language structure, as well as a TESL practicum.

Graduate Advisor: Dr. John Hitz
 Email: jhitz@uco.edu
 Office: LAN 103F
 Phone: 405 - 974 - 5628

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Transcripts must show:
 - A minimum of 3.0 undergraduate GPA (overall) or 3.0 undergraduate GPA (last 60 hours completed); and 15 hours of undergraduate English with a 3.0 GPA.
 - Students may gain conditional admission by achieving a score of 150 (verbal) and 4.5 (analytical writing) on the Graduate Record Examination (GRE).
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with his/her graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
 - At least 15 of 33 total hours must be in Graduate English courses
- Language Requirement. Demonstrate reading knowledge of a second language in one of the following ways:
 - Earn a "C" or better in a minimum of six credit hours in a single second language at the University of Central Oklahoma. These hours will not count toward the M.A. degree.
 - Produce evidence of having earned a "C" or better in a minimum of six credit hours in a single second language at an approved college or university. These hours will not count toward the M.A. degree.
- Capstone Experience. Complete ENG 5803 (TESL Portfolio).
- Final Requirements. Apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Language Courses6 Hours

Course Prefix	Course No.	Course Title
ENG	5343	Linguistics
ENG	5413	TESL Grammar

Pedagogy Courses12 Hours

Course Prefix	Course No.	Course Title
ENG	5900	Practicum in TESL
TESL	5313	Assessment of Multilingual Learners
TESL	5763	Second Language Acquisition
TESL	5783	TESOL Methodology

Research Course.....3 Hours

Course Prefix	Course No.	Course Title
ESFR	5013	Foundations of Educational Research

General Electives.....9 Hours

The nine hours of General Electives will consist of a minimum of 3 hours of English (ENG) coursework, and may include up to six hours from departments in related disciplines, with advisor approval.

Capstone Experience3 Hours

Course Prefix	Course No.	Course Title
ENG	5803	TESL Portfolio

TOTAL HOURS REQUIRED33 Hours



COLLEGE OF
Mathematics and Science

ACADEMIC DEGREE PROGRAMS

College of Mathematics and Science

Howell Hall, Room 208

Telephone: 405 - 974-2461

Fax: 405 - 974-3824

Email: slafave@uco.edu

Website: <https://www.uco.edu/cms/>

Dr. Gloria Caddell, Dean

Dr. Jesse Byrne, Assistant Dean

Dr. Gang Xu, Interim Assistant Dean

Department Chairs and School Director

Dr. Elizabeth Allen, Chair, Biology

Dr. Chad King, Assistant Chair

Dr. Luis Montes, Chair, Chemistry

Dr. Dallas New, Assistant Chair

Dr. Gang Qian, Chair, Computer Science

Dr. Hong Sung, Assistant Chair

Dr. Evan Lemley, Director, School of Engineering

Dr. Gang Xu, Ph.D., Assistant Chair

Dr. John Fritch, Chair, Funeral Service

Ms. Lucia Dickinson, Assistant Chair

Dr. Jesse Byrne, Chair, Mathematics and Statistics

Dr. Britney Hopkins, Assistant Chair

Dr. Barbara Arnold, Chair, Nursing

Dr. Pamela Rollins, Assistant Chair

The names of graduate program advisors appear on the program degree sheets on the following pages.

Graduate Offerings of the College of Mathematics and Science

Master of Science (M.S.)

- Applied Mathematics and Computer Science
- Applied Mathematical Science
 - Mathematics
 - Statistics
 - Teaching
- Biology
- Computer Science
- Cybersecurity
- Data Science
- Engineering
 - Biomedical Engineering
 - Electrical Engineering
 - Engineering Physics
 - Mechanical Engineering

- Nursing (*Exclusively Online*)

Professional Science Master's (P.S.M.)

- Computational Science
 - Computational Engineering
 - Computational Mathematics
 - Computer Science

Graduate Certificate

- Cybersecurity

Program: Applied Mathematics and Computer Science
Major: Applied Mathematics and Computer Science
Degree: Master of Science (M.S.)

Dept: Mathematics & Statistics / Computer Science
College: Mathematics and Science
Major Code: 6660

Applied Mathematics and Computer Science, M.S.

This major is designed to prepare students to meet the demands of industry, business, and government for individuals with expertise in advanced applications of mathematics and computer science. While ensuring sound mathematical training, the degree program also concentrates on widely applicable computer science principles and provides further development of problem-solving skills.

Graduate Advisor (Math): **Dr. Brittany Bannish**
 Email: bbannish@uco.edu
 Office: STEM 246
 Phone: 405 - 974 - 5441

Graduate Advisor (Comp. Sci.): **Dr. Fei Zuo**
 Email: csgrad@uco.edu
 Office: MCS 130
 Phone: 405 - 974 - 5388

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Online application for admission (www.uco.edu/graduate/).

- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:*
 - A minimal 3.00 GPA overall and 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisite courses: Matrix Algebra or Linear Algebra, Differential Equations, Statistical Methods I, and Data Structures and Algorithms, and an upper-division OO design and programming course with design patterns.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C" or lower.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Competency Examination. Achieve a minimum score of "pass" on competency exam.
 NOTE: Request for re-examination will not be granted more than one time.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies

of the thesis and one electronic copy to the library through Proquest and submit the thesis' title page, original signature page, summary, and abstract page to the JCGS.

- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....24 Hours

Course Prefix	Course No.	Course Title
CMSC	5043	Applications Database Systems
CMSC	5053	Operating Systems, OR
CMSC	5063	Computer Networks
CMSC	5283	Software Engineering I
CMSC	5023	Programming Languages, OR
CMSC	5273	Theory of Computing
MATH	5113	Operations Research 1
MATH	5143	Advanced Calculus for Applications 1
MATH	5853	Introduction to Graduate Research
STAT	5263	Computer Applications in Statistics

Guided Electives.....9 Hours

From MATH or STAT Courses 3-6 Hours
 From CMSC or SE Courses..... 3-6 Hours

Thesis, Project, or Additional Course Work.....3 Hours

Course Prefix	Course No.	Course Title
MATH	5980	Graduate Project, OR
MATH	5990	Graduate Thesis, OR
CMSC	5980	Graduate Project, OR
CMSC	5990	Graduate Thesis, OR
MATH	5xxx	Graduate MATH Course, OR
STAT	5xxx	Graduate STAT Course, OR
CMSC	5xxx	Graduate CMSC Course, OR
SE	5xxx	Graduate SE Course

TOTAL HOURS REQUIRED 36 HOURS

Program: Applied Mathematical Science
Major: Applied Mathematical Science - Mathematics
Degree: Master of Science (M.S.)

Dept: Mathematics and Statistics
College: Mathematics and Science
Major Code: 6621

Applied Mathematical Science – Mathematics, M.S.

This major is designed to prepare students to meet the demands of industry, business, and government for individuals with expertise in the applications of the mathematical sciences. While ensuring sound mathematical training, the degree program concentrates on the development of widely applicable intellectual skills and provides experience with concrete problems.

Graduate Advisor (Math): Dr. Brittany Bannish
 Email: bbannish@uco.edu
 Office: STEM 246
 Phone: 405 - 974 - 5441

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/). Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimal 3.00 GPA overall and 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisite courses: Matrix Algebra or Linear Algebra, Differential Equations, and Statistical Methods I.

- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see Accelerated Degree Pathways on p.196).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work

standards:

- Overall GPA of 3.00 or higher.
- No more than six hours of “C” or lower.
- No more than six advisor-approved hours from traditional correspondence courses.
- Competency Examination. Achieve a minimum score of “pass” on competency exam.
 NOTE: Request for re-examination will not be granted more than one time.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and submit the thesis’ title page, original signature page, summary, and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....18 Hours

Course Prefix	Course No.	Course Title
MATH	5113	Operations Research 1
MATH	5143	Advanced Calculus for Applications 1
MATH	5263	Numerical Linear Algebra, OR
MATH	5373	Applied Numerical Analysis
MATH	5453	Mathematical Modeling
MATH	5853	Introduction to Graduate Research
STAT	5263	Computer Applications in Statistics

Guided Electives.....15 Hours

From MATH or STAT Courses

Thesis, Project, or Additional Course Work.....3 Hours

Course Prefix	Course No.	Course Title
MATH	5980	Graduate Project, OR
MATH	5990	Thesis, OR
MATH	5xxx	Graduate MATH Course, OR
STAT	5xxx	Graduate STAT Course

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Applied Mathematics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Mathematics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor’s degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113, 5123, 5263, 5373, 5453, 5910, and STAT 5213 and 5263. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Program: Applied Mathematical Science
Major: Applied Mathematical Science - Mathematics

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Mathematics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Mathematics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113, 5123, 5263, 5373, 5453, 5910, and STAT 5213 and 5263. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Statistics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Mathematics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113 and 5910, STAT 5103, 5123, 5213, 5263, 5303, 5413, 5533, and 5910. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Accelerated Degree Pathway: BS to MS

Students in the B.S. Actuarial Science program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Mathematics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113 and 5910, STAT 5103, 5123, 5213, 5263, 5303, 5413, 5533, and 5910. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Program: Applied Mathematical Science
Major: Applied Mathematical Science - Statistics
Degree: Master of Science (M.S.)

Dept: Mathematics and Statistics
College: Mathematics and Science
Major Code: 6622

Applied Mathematical Science – Statistics, M.S.

This major is designed to prepare students to meet the demands of industry, business, and government for individuals with expertise in the applications of the mathematical sciences. While ensuring sound mathematical training, the degree program concentrates on the development of widely applicable intellectual skills and provides experience with concrete problems.

Graduate Advisor (Math): Dr. Brittany Bannish
Email: bbannish@uco.edu
Office: STEM 246
Phone: 405 - 974 - 5441

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimal 3.00 GPA overall and 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisite courses: Matrix Algebra or Linear Algebra, Differential Equations, Mathematical Statistics 1, and Statistical Methods I.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following coursework standards:

- Overall GPA of 3.00 or higher.
- No more than six hours of "C" or lower.
- No more than six advisor-approved hours from traditional correspondence courses.

- Competency Examination. Achieve a minimum score of "pass" on competency exam.

NOTE: Request for re-examination will not be granted more than one time.

- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and submit the thesis' title page, original signature page, summary, and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....24 Hours

Course Prefix	Course No.	Course Title
MATH	5113	Operations Research 1
MATH	5143	Advanced Calculus for Applications 1
MATH	5853	Introduction to Graduate Research
STAT	5103	Applied Experimental Design
STAT	5123	Mathematical Statistics 2
STAT	5213	Applied Regression Analysis
STAT	5263	Computer Applications in Statistics
STAT	5303	Non-Parametric Statistics

Guided Electives.....9 Hours

From MATH or STAT Courses

Thesis, Project, or Additional Course Work.....3 Hours

Course Prefix	Course No.	Course Title
MATH	5980	Graduate Project, OR
MATH	5990	Graduate Thesis, OR
MATH	5xxx	Graduate MATH Course, OR
STAT	5xxx	Graduate STAT Course

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Applied Mathematics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Statistics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113, 5123, 5263, 5373, 5453, 5910, and STAT 5213 and 5263. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Program: Applied Mathematical Science
Major: Applied Mathematical Science - Statistics

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Mathematics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Statistics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113, 5123, 5263, 5373, 5453, 5910, and STAT 5213 and 5263. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Statistics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Statistics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113 and 5910, STAT 5103, 5123, 5213, 5263, 5303, 5413, 5533, and 5910. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Accelerated Degree Pathway: BS to MS

Students in the B.S. Actuarial Science program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Statistics program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113 and 5910, STAT 5103, 5123, 5213, 5263, 5303, 5413, 5533, and 5910. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Program: Applied Mathematical Science
Major: Applied Mathematical Science - Teaching
Degree: Master of Science (M.S.)

Dept: Mathematics and Statistics
College: Mathematics and Science
Major Code: 6623

Applied Mathematical Science – Teaching, M.S.

This major is designed to prepare students to meet the demands of industry, business, and government for individuals with expertise in the applications of the mathematical sciences. While ensuring sound mathematical training, the degree program concentrates on the development of widely applicable intellectual skills and provides experience with concrete problems.

Graduate Advisor (Math): Dr. Brittany Bannish
 Email: bbannish@uco.edu
 Office: STEM 246
 Phone: 405 - 974 - 5441

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimal 3.00 GPA overall and 3.00 GPA in the last 60 hours attempted.
 - Completion of the following prerequisite courses: Matrix Algebra or Linear Algebra, Differential Equations, Statistical Methods I.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:

- Overall GPA of 3.00 or higher.
- No more than six hours of "C" or lower.
- No more than six advisor-approved hours from traditional correspondence courses.
- Competency Examination. Achieve a minimum score of "pass" on competency exam.
 NOTE: Request for re-examination will not be granted more than one time.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and submit the thesis' title page, original signature page, summary, and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Required Courses.....18 Hours

Course Prefix	Course No.	Course Title
MATH	5113	Operations Research 1
MATH	5143	Advanced Calculus for Applications 1
MATH	5453	Mathematical Modeling
MATH	5843	Teaching of Secondary Math
MATH	5853	Introduction to Graduate Research
STAT	5263	Computer Applications in Statistics

Guided Electives.....15 Hours

From MATH or STAT Courses.....**9-12 Hours**

From PTE courses.....**3-6 Hours**

Thesis, Project, or Additional Course Work.....3 Hours

Course Prefix	Course No.	Course Title
MATH	5980	Graduate Project, OR
MATH	5990	Graduate Thesis, OR
MATH	5xxx	Graduate MATH Course, OR
STAT	5xxx	Graduate STAT Course

TOTAL HOURS REQUIRED 36 HOURS

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Applied Mathematics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Teaching program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113, 5123, 5263, 5373, 5453, 5910, and STAT 5213 and 5263. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Program: Applied Mathematical Science
Major: Applied Mathematical Science - Teaching

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Mathematics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Teaching program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113, 5123, 5263, 5373, 5453, 5910, and STAT 5213 and 5263. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Accelerated Degree Pathway: BS to MS

Students in the B.S. Mathematics - Statistics program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Teaching program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113 and 5910, STAT 5103, 5123, 5213, 5263, 5303, 5413, 5533, and 5910. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Accelerated Degree Pathway: BS to MS

Students in the B.S. Actuarial Science program who are accepted into the Accelerated Degree Pathway for the M.S. in Applied Mathematical Science - Teaching program may take 5000-level courses up to a maximum of 9 hours during the senior year of the bachelor's degree. These courses will count toward both the B.S. and M.S. degrees. The approved graduate courses are MATH 5113 and 5910, STAT 5103, 5123, 5213, 5263, 5303, 5413, 5533, and 5910. Students are restricted to taking only one cross-listed 5910 course while classified as an ADP student.

Program:	Biology	Dept:	Biology
Major:	Biology	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6600

Biology, M.S.

The M.S. Degree in Biology is designed to give students depth of training in biology beyond that provided by the baccalaureate degree. Students, in concert with their advisory committee, design a Plan of Study containing focused graduate coursework relevant to their area of interest.

All students choose one of two paths of study. The Thesis Option and the Non-Thesis Option both provide further educational depth through research and completion of specific courses selected for the students' personalized programs of study.

The Thesis Option provides graduate students with experience in the design, execution, and reporting of scientific research based upon the collection of original data. Graduate students who plan to enter research professions and/or pursue a doctorate degree should enroll in the Thesis Option.

The Non-Thesis option provides graduate students with more graduate coursework than the Thesis option. Graduate students who want to reinforce their knowledge of biology for a career as an educator at the secondary or two-year college levels may want to take advantage of this option.

Graduate Advisor:	Dr. Jenna Messick
Email:	jmessick1@uco.edu
Office:	HOH 301E
Phone:	405 - 974 - 5776

Admission Requirements

- BS/BA in Biology or related field

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Written statement of a graduate faculty member's commitment to serve as Major Advisor.
- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show a minimal 2.50 GPA overall with a preferred minimal 3.00 GPA in the last 60 hours attempted.
- Three letters of recommendation, one of which may be from the faculty member who will serve as Major Advisor. Letters of recommendation are requested through the online application portal.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

Note: Students must meet with faculty mentor/advisor in a group or individual advisement session before enrolling.

Other Requirements

- Advisory Committee. Form an Advisory Committee and meet with it at least once per academic year.
- Plan of Study. Each student, under the guidance of the Major Advisor, must file a Plan of Study with the Graduate Program Advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The Plan of Study must be signed and dated by the student and the Graduate Program Advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.

- Thesis Option. Complete a thesis, present it to the public, and defend it successfully before the Advisory Committee. The defense will include an oral comprehensive examination administered by the Advisory Committee. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' Title Page, original Signature Page, Thesis Summary Document, and Abstract Page to the JCGS.
- Non-thesis Option. Complete the Graduate Capstone which will include submission of a written document and an exit exam administered by the Advisory Committee.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

Thesis Option

Required Courses.....6 Hours

Course Prefix	Course No.	Course Title
BIO	5990	Thesis hours (6 total spread among semesters)

Guided Electives.....26 Hours

Courses chosen in consultation with Thesis Advisory Committee. Original research is a part of the Thesis Option.

TOTAL HOURS REQUIRED 32 HOURS

Non-thesis Option

Required Courses.....2 Hours

Course Prefix	Course No.	Course Title
BIO	5892	Graduate Capstone

Guided Electives.....30 Hours

Courses chosen in consultation with Advisory Committee.

TOTAL HOURS REQUIRED 32 HOURS

NOTE: Each student must complete 32 hours of 5000 level coursework, which includes Thesis or Graduate Capstone hours. A Plan of Study should be designed based on the student's academic record and recommendations of the Advisory Committee. The Advisory Committee may require completion of lower-level course deficiencies or prerequisites.

Program: Certificate in Cybersecurity
Dept: Computer Science
College: Mathematics and Science
Major Code: 6700

This program is designed to prepare students to meet the demands of a professional position of advanced cybersecurity practices and solutions in the IT industry. The curriculum has an emphasis on cyber incident response for the students to further develop their problem-solving skills and expertise beyond the baccalaureate level.

Certificate Director: Junghwan Rhee
 Email: jrhee2@uco.edu
 Office: STEM 232
 Phone: (405) 974 - 5240

Admission Requirements

- Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034
- Online application for admission (www.uco.edu/graduate/).
 - Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
 - Undergraduate transcripts must show a minimum GPA of 3.0 overall or a 3.0 GPA in the last 60 hours attempted.*
 - An undergraduate degree in Computer Science or evidence of completion of all prerequisites (if any), as determined by the certificate director.
 - A GRE score is not required. However, we recommend a minimum combined GRE verbal and quantitative score of 290 with a minimum quantitative core of 150.
 - Requests for conditional admission may be made by 1) students having an overall undergraduate GPA of at least 2.50 and a minimum combined GRE verbal and quantitative score of 310 with a minimum quantitative score of 155; or 2) students having an overall undergraduate GPA of at least 2.25 with five year of experience in the discipline since the date of their first bachelor's degree.
 - Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

**Students falling below these standards may qualify for conditional admission. See Admissions to Graduate Studies (p.17).*

Other Requirements

- Plan of Study. Each student must file a plan of study with the program director and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the program director before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all courses listed in the certificate.
 - No more than six (6) graduate hours of "C".
 - Courses with a grade lower than a C do not apply toward this certificate.
 - Apply for graduation through the Jackson College of Graduate Studies by the advertised deadline.

Graduation Requirements

Required Courses.....25 hours

Course Prefix	Course No.	Course Title
CMSC	5053	Operating Systems
CMSC	5063	Computer Networks
CMSC	5083	Cybersecurity
CMSC	5163	Secure System Administration
CMSC	5223	Cyber Infrastructure and Cloud Computing
CMSC	5323	Network Security
CMSC	5333	Incident Analysis and Response I
CMSC	5343	Cyber Operations
CMSC	5401	Ethics in Computing

TOTAL HOURS REQUIRED.....25 HOURS

Program:	Computational Science	Center:	Center for Research and Education in
Major:	Computational Engineering		Interdisciplinary Computation
Degree:	Professional Science Master's (P.S.M.)	College:	Mathematics and Science
		Major Code:	6671

Computational Science - Computational Engineering, P.S.M.

This major develops graduates that are technical experts in computational techniques used in various engineering disciplines. Graduates will lead efforts in the workplace to meet goals using data, quantitative techniques, and business analytics. A graduate's professional and communication skills will allow her/him to serve as lead technical resource for collaboration between units in her/his organization.

Graduate Advisor:	Dr. Sezin Kadioglu
Email:	skadioglu@uco.edu
Office:	HOH 209
Phone:	405 - 974 - 3535

GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - Bachelor's degree in any subject area. If not in an area of science, technology, engineering or mathematics, then applicant should demonstrate work or other experience that has prepared them for the PSM program.
- Undergraduate and graduate transcripts from all institutions attended that record a minimum overall GPA of 2.75 and a minimum of 3.00 in the last 60 hours.
- The GRE exam is not required, but a minimum combined verbal and quantitative score of 300 is recommended.
- Two letters of recommendation. Letters of recommendation are requested through the online application portal.
- Meet with the PSM program director to plan the curriculum and Integrative Project prior to enrollment in the first semester of study.
- Establish a *professional* social media presence (Linkedin.com for example) and link to the PSM program director.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all graduate courses.
 - No more than six (6) graduate credit hours of C grades.
 - Courses with a grade lower than a C do not apply toward graduation.
 - Successful completion of the Integrative Project sequence.
 - In the final semester of study, apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required PSM Courses 12 Hours

Course Prefix	Course No.	Course Title
PSM	5013	Computational Science for Professionals I
PSM	5113	Computational Science for Professionals II
PSM	5681	Integrative Project I
PSM	5781	Integrative Project II
PSM	5881	Integrative Project III
PSM	5203	Introduction to Data Science

Required Management Courses 7-8 Hours

Course Prefix	Course No.	Course Title
ISOM	5333	Project Management OR
MBA	5552	Project and Program Management
MBA	5033	Creative Problem Solving
MBA	5352	Managerial & Operational Analytics

Elective Business Course(s) 2-4 Hours

Choose 2-4 hours from the list below:

Course Prefix	Course No.	Course Title
MBA	5042	Managerial Economics
MBA	5142	Managerial Finance
MBA	5172	Managerial Accounting
MBA	5243	Leading People in Organizations
MBA	5572	Business Ethics & Sustainability
MBA	5642	Organizational Change & Innovation

continued...

Program: Computational Science
Major: Computational Engineering

MSBA	5232	Data Visualization
MSBA	5314	Applied Analytics

Guided Electives.....9 Hours

Choose 9 hours from the list below:

Course Prefix	Course No.	Course Title
ENGR	5023	Heat Transfer
ENGR	5103	Finite Element Analysis
BME	5223	Biomedical Imaging
BME	5233	Biomedical Instrumentation
ENGR	5323	Digital & Analog Communication
ENGR	5333	Digital Signal Processing & Laboratory
BME	5343	Biomechanics
ENGR	5443	Fluid Dynamics
ENGR	5533	Thermal Systems Design
ENGR	5803	Mechatronics & Laboratory

General Electives.....3 Hours

Choose 3 hours from the list below:

Course Prefix	Course No.	Course Title
BIO	5xxx	Graduate BIO Course
BME	5xxx	Graduate BME Course
CHEM	5xxx	Graduate CHEM Course
CMSC	5xxx	Graduate CMSC Course
ENGR	5xxx	Graduate ENGR Course
MATH	5xxx	Graduate MATH Course
PHY	5xxx	Graduate PHY Course
STAT	5xxx	Graduate STAT Course

TOTAL HOURS REQUIRED33-36 HOURS

Accelerated Degree Pathway: BS to PSM

Accelerated Degree Pathway students who are accepted to one of the following undergraduate degrees: B.S. in Biomedical Engineering - Biomedical Engineering, Electrical Engineering - Electrical Engineering, or Mechanical Engineering - Mechanical Engineering, may apply to take 5000-level courses up to a maximum of 10 hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. and P.S.M. Computational Science - Computational Engineering. The approved graduate courses are ENGR 5023 Heat Transfer, ENGR 5103 Finite Element Analysis, BME 5223 Biomedical Imaging, ENGR 5333 Digital Signal Processing, ENGR 5311 Digital Signal Processing Laboratory, ENGR 5803 Mechatronics & Laboratory. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Accelerated Degree Pathway: BS to PSM

Accelerated Degree Pathway students who are accepted to one of the following undergraduate degrees: B.S. in Engineering Physics - Physics, may apply to take 5000-level courses up to a maximum of 10 hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. and P.S.M. Computational Science - Computational Engineering. The approved graduate courses are ENGR 5023 Heat Transfer, ENGR 5103 Finite Element Analysis, ENGR 5333 Digital Signal Processing, ENGR 5311 Digital Signal Processing Laboratory, ENGR 5803 Mechatronics & Laboratory, ENGR 5443 Fluid Dynamics, PHY 5443 Quantum Mechanics. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Program: Computational Science
Center: Center for Research and Education in Interdisciplinary Computation
Major: Computational Mathematics
College: Mathematics and Science
Degree: Professional Science Master’s (P.S.M.)
Major Code: 6672

Computational Science - Computational Mathematics, P.S.M.

This major develops graduates that are technical experts in computational techniques used in mathematics and statistics. Graduates will lead efforts in the workplace to meet goals using data, quantitative techniques, and business analytics. A graduate’s professional and communication skills will allow her/him to serve as lead technical resource for collaboration between units in her/his organization.

Graduate Advisor: Dr. Sezin Kadioglu
 Email: skadioglu@uco.edu
 Office: HOH 209
 Phone: 405 - 974 - 3535

3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student’s undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
- Bachelor’s degree in any subject area. If not in an area of science, technology, engineering or mathematics, then applicant should demonstrate work or other experience that has prepared them for the PSM program.
- Undergraduate and graduate transcripts from all institutions attended that record a minimum overall GPA of 2.75 and a minimum of 3.00 in the last 60 hours.
- The GRE exam is not required, but a minimum combined verbal and quantitative score of 300 is recommended.
- Two letters of recommendation. Letters of recommendation are requested through the online application portal.
- Meet with the PSM program director to plan the curriculum and Integrative Project prior to enrollment in the first semester of study.
- Establish a *professional* social media presence (Linkedin.com for example) and link to the PSM program director.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor’s and master’s degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as “senior” standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all graduate courses.
 - No more than six (6) graduate credit hours of C grades.
 - Courses with a grade lower than a C do not apply toward graduation.
 - Successful completion of the Integrative Project sequence.
 - In the final semester of study, apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required PSM Courses12 Hours

Course Prefix	Course No.	Course Title
PSM	5013	Computational Science for Professionals I
PSM	5113	Computational Science for Professionals II
PSM	5681	Integrative Project I
PSM	5781	Integrative Project II
PSM	5881	Integrative Project III
PSM	5203	Introduction to Data Science

Required Management Courses 7-8 Hours

Course Prefix	Course No.	Course Title
ISOM	5333	Project Management OR
MBA	5552	Project and Program Management
MBA	5033	Creative Problem Solving
MBA	5352	Managerial & Operational Analytics

Elective Business Course(s) 2-4 Hours

Choose 2-4 hours from the list below:

Course Prefix	Course No.	Course Title
MBA	5042	Managerial Economics
MBA	5142	Managerial Finance
MBA	5172	Managerial Accounting
MBA	5243	Leading People in Organizations
MBA	5572	Business Ethics & Sustainability

continued...

Program: Computational Science
Major: Computational Mathematics

MBA	5642	Organizational Change & Innovation
MSBA	5232	Data Visualization
MSBA	5314	Applied Analytics

to take 5000-level courses up to a maximum of nine hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. and P.S.M. Computational Science - Computational Mathematics. The approved graduate courses are CMSC 5043 Applications Database Systems, CMSC 5143 Algorithms for Machine Learning, STAT 5213 Applied Regression Analysis, STAT 5533 Data Mining and Statistical Learning, STAT 5413 Data Visualization and Exploration. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Required Courses.....6 Hours

Choose 6 hours from the list below:

Course Prefix	Course No.	Course Title
MATH	5113	Operations Research 1
MATH	5263	Numerical Linear Algebra
MATH	5373	Applied Numerical Analysis

Mathematics or Statistics Elective.....3 Hours

Choose 3 hours from the list below:

Course Prefix	Course No.	Course Title
MATH	5xxx	Graduate MATH Course
STAT	5xxx	Graduate STAT Course

General Electives.....3 Hours

Choose 3 hours from the list below:

Course Prefix	Course No.	Course Title
BIO	5xxx	Graduate BIO Course
BME	5xxx	Graduate BME Course
CHEM	5xxx	Graduate CHEM Course
CMSC	5xxx	Graduate CMSC Course
ENGR	5xxx	Graduate ENGR Course
MATH	5xxx	Graduate MATH Course
PHY	5xxx	Graduate PHY Course
STAT	5xxx	Graduate STAT Course

TOTAL HOURS REQUIRED33-36 HOURS

Accelerated Degree Pathway: BS to PSM

Accelerated Degree Pathway students who are accepted to one of the following undergraduate degrees: B.S. in Actuarial Science - Actuarial Science, Mathematics – Mathematics, Mathematics – Applied Mathematics, or Mathematics – Statistics, may apply to take 5000-level courses up to a maximum of nine hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. and P.S.M. Computational Science - Computational Mathematics. The approved graduate courses are MATH 5113 Operations Research I, MATH 5263 Numerical Linear Algebra, MATH 5373 Applied Numerical Analysis, STAT 5263 Computer Applications in Statistics, STAT 5213 Applied Regression Analysis. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Accelerated Degree Pathway: BS to PSM

Accelerated Degree Program students who are accepted to the undergraduate B.S. in Data Science – Data Science, may apply

Program: Computational Science
Major: Computer Science
Degree: Professional Science Master's (P.S.M.)

Center: Center for Research and Education in
Interdisciplinary Computation
College: Mathematics and Science
Major Code: 6670

Computational Science - Computer Science, P.S.M.

This major develops graduates that are technical experts in computer science or software engineering. Graduates will lead efforts in the workplace to meet goals using data, quantitative techniques, and business analytics. A graduate's professional and communication skills will allow her/him to serve as lead technical resource for collaboration between units in their organization.

Graduate Advisor: Dr. Sezin Kadioglu
 Email: skadioglu@uco.edu
 Office: HOH 209
 Phone: 405 - 974 - 3535

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
- Bachelor's degree in any subject area. If not in an area of science, technology, engineering or mathematics, then applicant should demonstrate work or other experience that has prepared them for the PSM program.
- Undergraduate and graduate transcripts from all institutions attended that record a minimum overall GPA of 2.75 and a minimum of 3.00 in the last 60 hours.
- The GRE exam is not required, but a minimum combined verbal and quantitative score of 300 is recommended.
- Two letters of recommendation. Letters of recommendation are requested through the online application portal.
- Meet with the PSM program director to plan the curriculum and Integrative Project prior to enrollment in the first semester of study.
- Establish a *professional* social media presence (Linkedin.com for example) and link to the PSM program director.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and

3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all graduate courses.
 - No more than six (6) graduate credit hours of C grades.
 - Courses with a grade lower than a C do not apply toward graduation.
 - Successful completion of the Integrative Project sequence.
 - In the final semester of study, apply for graduation through the JCGS by the advertised deadline.

Graduation Requirements

Required PSM Courses12 Hours

Course Prefix	Course No.	Course Title
PSM	5013	Computational Science for Professionals I
PSM	5113	Computational Science for Professionals II
PSM	5681	Integrative Project I
PSM	5781	Integrative Project II
PSM	5881	Integrative Project III
PSM	5203	Introduction to Data Science

Required Management Courses 7-8 Hours

Course Prefix	Course No.	Course Title
ISOM	5333	Project Management OR
MBA	5552	Project and Program Management
MBA	5033	Creative Problem Solving
MBA	5352	Managerial & Operational Analytics

Elective Business Course(s) 2-4 Hours

Choose 2-4 hours from the list below:

Course Prefix	Course No.	Course Title
MBA	5042	Managerial Economics
MBA	5142	Managerial Finance
MBA	5172	Managerial Accounting
MBA	5243	Leading People in Organizations
MBA	5572	Business Ethics & Sustainability

continued...

Program: Computational Science
Major: Computer Science

MBA	5642	Organizational Change & Innovation
MSBA	5232	Data Visualization
MSBA	5314	Applied Analytics

STAT 5213 Applied Regression Analysis, STAT 5533 Data Mining and Statistical Learning. During the last semester of their junior year or within 30 hours of graduation, an undergraduate student with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Guided Electives.....9 Hours

Choose 9 hours from the list below:

Course Prefix	Course No.	Course Title
CMSC	5043	Applications Database Systems
CMSC	5193	Introduction to Robotics
CMSC	5283	Software Engineering I
CMSC	5303	Mobile Application Programming
CMSC	5323	Network Security
CMSC	5373	Cloud Web Apps Development
CMSC	5423	Software Engineering II
CMSC	5433	Software Architecture & Design

General Electives.....3 Hours

Choose 3 hours from the list below:

Course Prefix	Course No.	Course Title
BIO	5xxx	Graduate BIO Course
BME	5xxx	Graduate BME Course
CHEM	5xxx	Graduate CHEM Course
CMSC	5xxx	Graduate CMSC Course
ENGR	5xxx	Graduate ENGR Course
MATH	5xxx	Graduate MATH Course
PHY	5xxx	Graduate PHY Course
STAT	5xxx	Graduate STAT Course

TOTAL HOURS REQUIRED33-36 HOURS

Accelerated Degree Pathway: BS to PSM

Accelerated Degree Pathway students who are accepted to the B.S. in Computer Science - Computer Science, Computer Science - Information Science, or Software Engineering may apply to take 5000-level courses up to a maximum of 10 hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. and P.S.M. Computational Science - Computer Science. The approved graduate courses are CMSC 5043 Applications Database Systems, CMSC 5283 Software Engineering I, CMSC 5323 Network Security. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Accelerated Degree Pathway: BS to PSM

Accelerated Degree Pathway students who are accepted to the B.S. in Data Science - Data Science may apply to take 5000-level courses up to a maximum of 10 hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. and P.S.M. Computational Science - Computer Science. The approved graduate courses are CMSC 5043 Applications Database Systems, CMSC 5143 Algorithms for Machine Learning,

Program: Computer Science **Dept:** Computer Science
Major: Computer Science **College:** Mathematics and Science
Degree: Master of Science (M.S.) **Major Code:** 6680

Computer Science, M.S.

This program is designed to prepare students to meet the demands of a Ph.D. study in Computer Science or a professional position in advanced computing applications in the IT industry. The curriculum offers four optional concentration areas for the students to further develop their problem-solving skills and expertise beyond the baccalaureate level.

Graduate Advisor: **Dr. Fei Zuo**
 Email: csgad@uco.edu
 Office: MCS 130
 Phone: 405 - 974 - 5388

and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' original title page, original signature page, summary and abstract page to the JCGS.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show a minimum GPA of 3.0 overall or 3.0 GPA in the last 60 hours attempted.*
- An undergraduate degree in Computer Science or evidence of completion of all prerequisites (if any), as determined by the graduate advisor.
- A GRE score is not required. However, we recommend a minimum combined GRE verbal and quantitative: score of 290 with a minimum quantitative score of 150.
- Request for conditional admission may be made by 1) students having an overall undergraduate GPA of at least 2.50 and a minimum combined GRE verbal and quantitative score of 310 with a minimum quantitative score of 155; or 2) students having an overall undergraduate GPA of at least 2.25 with five years of experience in the discipline since the date of their first bachelor's degree.
- Students with a native language other than English must submit evidence of English language proficiency.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all graduate courses.
 - No more than six (6) graduate credit hours of C or lower grades.
 - Courses with a grade lower than a C do not apply toward graduation.
 - Apply for graduation through the Jackson College of Graduate Studies by the advertised deadline.
- Thesis (optional). If applicable, complete an acceptable thesis

Graduation Requirements

Required Courses..... 21-24 Hours

Course Prefix	Course No.	Course Title
CMSC	5043	Applications Database Systems
CMSC	5283	Software Engineering I
CMSC	5613	Algorithm Design and Implementation
CMSC	5900	Practicum in Computing Science (3 hours)
CMSC	5950	Internship in Computer Science (3 hours)
CMSC	5980	Graduate Project (3 hours), OR
CMSC	5990	Thesis (6 hours)

Choose One Concentration Below9 Hours

Full Stack Development Concentration (Choose 9 hours)

Course Prefix	Course No.	Course Title
CMSC	5213	Front End Web Programming
CMSC	5303	Mobile Apps Programming
CMSC	5373	Cloud Web Apps Development
CMSC	5223	Cyber Infrastructure and Cloud Computing
CMSC	5313	Internet of Things
CMSC	5083	Cybersecurity
CMSC	5910	Special Topics in Ent. Development (3 hrs)

Cybersecurity Concentration (Choose 9 hours)*

Course Prefix	Course No.	Course Title
CMSC	5083	Cybersecurity
CMSC	5163	Secure System Administration and Certification
CMSC	5223	Cyber Infrastructure and Cloud Computing
CMSC	5323	Network Security
CMSC	5333	Incident Analysis and Response I
CMSC	5343	Cyber Operations
CMSC	5353	Incident Analysis and Response II

Software Engineering Concentration (Choose 9 hours)

Course Prefix	Course No.	Course Title
CMSC	5423	Software Engineering II
CMSC	5433	Software Architecture & Design
CMSC	5083	Cybersecurity
CMSC	5910	Special Topics in Software Engineering (3 hrs)

continued...

Program:
Major:

Computer Science
Computer Science

Intelligent Systems Concentration (Choose 9 hours)

Course Prefix	Course No.	Course Title
CMSC	5193	Introduction to Robotics
CMSC	5033	Concepts of Artificial Intelligence
CMSC	5143	Algorithms for Machine Learning
CMSC	5313	Internet of Things
STAT	5263	Computer Applications in Statistics
CMSC	5910	Special Topics in Intelligent Systems (3 hrs)

Systems/Theory Concentration (Choose 9 hours)

Course Prefix	Course No.	Course Title
CMSC	5273	Theory of Computing
CMSC	5023	Programming Languages
CMSC	5053	Operating Systems
CMSC	5073	Translator Design
CMSC	5163	Secure System Administration and Certification
CMSC	5910	Special Topics in Systems or Theory (3 hrs)

Guided Electives Hours 0-3 Hours

CMSC 5xxx courses or courses chosen in consultation with the graduate advisor.

*Students who choose the Cybersecurity concentration should take CMSC 5053 Operating Systems and CMSC 5063 Computer Networks as their elective courses.

TOTAL HOURS REQUIRED..... 33 HOURS

Program:	Cybersecurity	Dept:	Computer Science
Major:	Cybersecurity	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6710

This program is designed to prepare students to meet the demands of doctoral study in cybersecurity or a professional position of advanced cybersecurity practices and solutions in the IT industry. The curriculum has an emphasis on cyber incident response for the students to further develop their problem-solving skills and expertise beyond the baccalaureate level.

Graduate Advisor:	Junghwan Rhee
Email:	jrhee2@uco.edu
Office:	STEM 232
Phone:	(405) 974 - 5240

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Undergraduate transcripts must show a minimum GPA of 3.0 overall or a 3.0 GPA in the last 60 hours attempted.*
- An undergraduate degree in Computer Science or evidence of completion of all prerequisites (if any), as determined by the graduate advisor
- A GRE score is not required. However, we recommend a minimum combined GRE verbal and quantitative score of 290 with a minimum quantitative core of 150.
- Requests for conditional admission may be made by 1) students having an overall undergraduate GPA of at least 2.50 and a minimum combined GRE verbal and quantitative score of 310 with a minimum quantitative score of 155; or 2) students having an overall undergraduate GPA of at least 2.25 with five year of experience in the discipline since the date of their first bachelor's degree.
- Students with a native language other than English must submit evidence of English language proficiency. See [Admission to Graduate Studies - English Language Proficiency \(pp. 17-18\)](#).

*Students falling below these standards may qualify for conditional admission. See *Admissions to Graduate Studies (p.17)*.

Other Requirements

- Plan of Study. Each student must file a plan of study with the program director and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the program director before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all courses listed in the certificate.
 - No more than six (6) graduate hours of "C".
 - Courses with a grade lower than a C do not apply toward graduation.
 - Apply for graduation through the Jackson College of Graduate Studies by the advertised deadline.

- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' original title page, original signature page, summary and abstract page to the JCGS.

Graduation Requirements

Required Courses.....27 hours

Course Prefix	Course No.	Course Title
CMSC	5053	Operating Systems
CMSC	5063	Computer Networks
CMSC	5083	Cybersecurity
CMSC	5163	Secure System Administration
CMSC	5223	Cyber Infrastructure and Cloud Computing
CMSC	5323	Network Security
CMSC	5333	Incident Analysis and Response I
CMSC	5343	Cyber Operations
CMSC	5401	Ethics in Computing
CMSC	5950	Internship in Computer Science (2 hours)

Thesis Option

Required Course.....5 Hours

Course Prefix	Course No.	Course Title
CMSC	5990	Thesis (5 hours)

Non-Thesis Option

Required Courses.....2 Hours

Course Prefix	Course No.	Course Title
CMSC	5980	Graduate Project (2 hours)

Guided Elective Hours.....3 Hours

CMSC 5XXX courses or courses chosen in consultation with the graduate advisor.

TOTAL HOURS REQUIRED.....32 HOURS

Program: Data Science **Dept:** Mathematics and Statistics/Computer Science
Major: Data Science **College:** Mathematics and Science
Degree: Master of Science (M.S.) **Major Code:** 6690

Data Science, M.S.

This program is designed to prepare students for positions in a Data Science career in industry and/or prepare highly competent students for continuing graduate school in a Ph.D. program. The curriculum is designed such that more advanced students have the option to undertake independent research as a part of a thesis or graduate project, and students seeking industry experience can earn credit by completing an internship.

Graduate Advisor (Math): **Dr. Brittany Bannish**
 Email: bbannish@uco.edu
 Office: STEM 246
 Phone: (405) 974 - 5441

Graduate Advisor (Comp. Sci.): **Dr. Fei Zuo**
 Email: csgrad@uco.edu
 Office: MCS 130
 Phone: (405) 974 - 5388

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimum 3.0 GPA overall or 3.0 GPA in the last 60 hours attempted.*
 - Completion of the following prerequisite courses: Matrix Algebra or Linear Algebra, Statistical Methods I, and Data Structures and Algorithms, and an upper-division 00 design and programming course with design patterns.
- Request for conditional admission may be made by students having an overall undergraduate GPA of at least 2.50 or at least 2.25 with five years of experience in the discipline since the date of their first bachelor’s degree.
- The GRE exam is not required, but a minimum combined verbal and quantitative score of 300 is recommended.
- Students with a native language other than English must submit evidence of English language proficiency.

**Students falling below these standards may qualify for conditional admission. See [Admissions to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate advisor and the Jackson College of Graduate Studies by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Minimum cumulative graduate GPA of 3.00 in all graduate courses.
 - No more than six (6) graduate credit hours of C or lower grades.
 - Courses with a grade lower than a C do not apply toward graduation.

- No more than six (6) advisor-approved hours from traditional correspondence courses.
- Apply for graduation through the Jackson College of Graduate Studies by the advertised deadline.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis’ original title page, original signature page, summary and abstract page to the JCGS.

Graduation Requirements

Required Courses.....24 Hours

Course Prefix	Course No.	Course Title
CMSC	5033	Concepts of Artificial Intelligence
CMSC	5043	Applications Database Systems
CMSC	5283	Software Engineering I
CMSC	5143	Algorithms for Machine Learning
STAT	5213	Applied Regression Analysis
STAT	5263	Computer Applications in Statistics
STAT	5413	Data Visualization and Exploration
STAT	5533	Data Mining & Statistical Learning

Guided Electives.....9 Hours

From MATH or STAT Courses 3-6 Hours
 From CMSC or SE Courses 3-6 Hours

Thesis, Graduate Project, Internship, or

Additional Course Work.....3 Hours

Course Prefix	Course No.	Course Title
CMSC	5990	Graduate Thesis, OR
STAT	5990	Graduate Thesis, OR
CMSC	5980	Graduate Project, OR
STAT	5980	Graduate Project, OR
CMSC	5950	Internship in Computer Science, OR
STAT	5950	Internship in Statistics, OR
CMSC	5XXX	Graduate CMSC Course, OR
SE	5XXX	Graduate SE Course, OR
STAT	5XXX	Graduate STAT Course, OR

TOTAL HOURS REQUIRED.....36 HOURS

In the event that a student in this program is a UCO graduate who has already taken classes required for the program, the departmental graduate advisor will select appropriate substitution courses to avoid duplication.

Program:	Engineering	Dept:	School of Engineering
Major:	Biomedical Engineering	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6636

Engineering - Biomedical Engineering, M.S.

This major is designed so that its graduates can enter industry/government as practicing engineers or pursue research and teaching careers with government and/or academic institutions. The major also provides advanced study in biomedical engineering, with emphasis in biomedical instrumentation, biomechanics, and medical imaging, for students who intend to pursue a Ph.D. degree in Biomedical Engineering or related fields.

Graduate Advisor:	Dr. Yuhao Jiang
Email:	yjiang1@uco.edu
Office:	STEM 242
Phone:	405 - 974 - 5472

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimal 2.75 GPA overall and 3.00 GPA in the last 60 hours attempted or a 3.00 overall GPA.
 - Completion of 24 undergraduate hours in physics or the equivalent and mathematics through differential equations and other prerequisites (if any), as determined by the graduate program advisor.
- Students with course deficiencies must complete 3000/4000 level courses in physics and engineering in addition to the program course requirements.
- Graduate Record Examination scores. Completion of the exam is not required. However, we recommend completion of the exam with a minimum combined GRE verbal and quantitative score of 305.
- Two letters of recommendation. Letters of recommendation are requested through the online application portal.
- All applicants must receive approval for admission to the program from the Engineering Physics Admissions Committee.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate

GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' original title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

The student may select either the non-thesis option or the thesis option. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities.

Required Courses.....15 Hours

Course Prefix	Course No.	Course Title
PHY	5013	Mathematical Physics II
ISOM	5333	Project Management
ENG	5023	Technical Writing
ENGR	5990	Thesis (6 hrs) OR
ENGR	5980	Graduate Project (3 hrs) AND
ENGR	5803	Mechatronics & Laboratory

Guided Electives.....9 Hours

Complete at least two courses from the list below

Course Prefix	Course No.	Course Title
BME	5223	Biomedical Imaging
BME	5233	Biomedical Instrumentation
BME	5343	Biomechanics
BME	5243	Modeling & Analysis of BME Sys
ENGR	5303	Control Systems

General Electives.....8 Hours

All General electives must be approved by the student's advisement committee and selected from the following list:

continued...

Program: Engineering
Major: Biomedical Engineering

Course Prefix	Course No.	Course Title
ENGR	5930	Ind. Study in Engineering (1-3 Hrs)
BME	5xxx	Graduate BME Course
ENGR	5xxx	Graduate ENGR Course
PHY	5xxx	Graduate PHY Course
BIO	5xxx	Graduate BIO Course
CHEM	5xxx	Graduate CHEM Course
STAT	5xxx	Graduate STAT Course
MATH	5xxx	Graduate MATH Course
PSM	5xxx	Graduate PSM Course

TOTAL HOURS REQUIRED 32 HOURS

Accelerated Degree Pathway: BS to MS

Students who are accepted to the undergraduate degree in Biomedical Engineering may apply to take up to a maximum of nine hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. Biomedical Engineering and M.S. Biomedical Engineering. The approved graduate courses are BME 5223 Biomedical Imaging, BME 5233 Biomedical Instrumentation, BME 5343 Biomechanics. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Program:	Engineering	Dept:	School of Engineering
Major:	Electrical Engineering	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6637

Engineering - Electrical Engineering, M.S.

This major is designed so that its graduates can enter industry/government as practicing engineers or pursue research and teaching careers with government and/or academic institutions. The major also provides advanced study in electrical engineering, with emphasis in communications and signal processing, for students who intend to pursue a Ph.D. degree in Electrical Engineering or related fields.

Graduate Advisor:	Dr. Yuhao Jiang
Email:	yjiang1@uco.edu
Office:	STEM 242
Phone:	405 - 974 - 5472

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimal 2.75 GPA overall and 3.00 GPA in the last 60 hours attempted or a 3.00 overall GPA.
 - Completion of 24 undergraduate hours in physics or the equivalent and mathematics through differential equations and other prerequisites (if any), as determined by the graduate program advisor.
- Students with course deficiencies must complete 3000/4000 level courses in physics and engineering in addition to the program course requirements.
- Graduate Record Examination scores. Completion of the exam is not required. However, we recommend completion of the exam with a minimum combined GRE verbal and quantitative score of 305.
- All applicants must receive approval for admission to the program from the Engineering Physics Admissions Committee.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Students applying for a Master Degree through the Accelerated BS/MS Degree Program must submit the following items to the Engineering Physics Department Accelerated Program Admissions Committee:

- Application for admission received by March 5 in the spring semester of the junior year.
- Official copies of transcripts from each institution attended. Transcripts must show:
 - The applicant is a UCO Electrical Engineering major;
 - A minimum overall GPA of 3.00;
 - A minimum GPA of 3.00 in all Engineering and Physics courses specified in the junior year for their major. Grades for engineering courses taken in the spring semester of the junior year will be submitted when courses are completed at the end of junior year.
- Two letters of recommendation from Engineering & Physics faculty.
- A statement of purpose describing the applicant's:
 - Plans and rationale for graduate study at UCO;
 - Intentions toward and involvement in research activities.

Note: All applicants must receive approval for admission to the program from the Department's Accelerated Program Admissions Committee. The student must choose the thesis option in the graduate program. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities. In this program three 5000-level ENGR, BME, or PHY courses (9 hours) taken during the senior year will count towards both the BS and MS degrees. The three courses are specified by the undergraduate major being sought

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' original title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

The student may select either the non-thesis option or the thesis *continued...*

Program: Engineering
Major: Electrical Engineering continued

option. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities.

Required Courses.....15 Hours

Course Prefix	Course No.	Course Title
PHY	5013	Mathematical Physics II
ISOM	5333	Project Management
ENG	5023	Technical Writing
PHY	5990	Thesis (6 hrs) OR
ENGR	5980	Graduate Project (3 hrs) AND
ENGR	5803	Mechatronics & Laboratory

Guided Electives.....12 Hours

Complete at least four courses from the list below:

Course Prefix	Course No.	Course Title
ENGR	5303	Control Systems
ENGR	5323	Digital and Analog Communication
ENGR	5333	Digital Signal Processing
ENGR	5613	Photonics
ENGR	5083	Electromagnetic Fields II
ENGR	5163	Engineering Optics
ENGR	5403	Advanced Control Systems Design and Lab
ENGR	5633	Solid State Devices

General Electives.....5 Hours

All General electives must be approved by the student's advisement committee and selected from the following list:

Course Prefix	Course No.	Course Title
ENGR	5930	Ind. Study in Engineering (1-3 Hrs)
ENGR	5xxx	Graduate ENGR Course
BME	5xxx	Graduate BME Course
PHY	5xxx	Graduate PHY Course
MATH	5xxx	Graduate MATH Course
CMSC	5xxx	Graduate CMSC Course
STAT	5xxx	Graduate STAT Course
PSM	5xxx	Graduate PSM Course

TOTAL HOURS REQUIRED 32 HOURS

Accelerated Degree Pathway: BS to MS

Accelerated Degree Pathway students who are accepted to the undergraduate degree in Electrical Engineering may apply to take up to a maximum of ten hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. Electrical Engineering and M.S Engineering - Electrical Engineering. The approved graduate courses are ENGR 5323 Digital and Analog Communication, ENGR 5333 Digital Signal Processing, ENGR 5311 Digital Signal Processing Laboratory, ENGR 5803 Mechatronics & Laboratory, ENGR 5083

Electromagnetic Fields II, ENGR 5613 Photonics, ENGR 5633 Solid State Devices. These courses are specified on the degree sheet. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Program:	Engineering	Dept:	School of Engineering
Major:	Engineering Physics	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6635

Engineering - Engineering Physics, M.S.

This major is designed so that its graduates can pursue research and teaching careers with government and/or academic institutions or enter industry/government as practicing engineers. The major also provides advanced study in physics, with emphasis in solid state, optics, and electromagnetic fields, for students who intend to pursue a Ph.D. degree in Engineering Physics, Physics, or related fields.

Graduate Advisor:	Dr. Yuhao Jiang
Email:	yjiang1@uco.edu
Office:	STEM 242
Phone:	405 - 974 - 5472

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimal 2.75 GPA overall and 3.00 GPA in the last 60 hours attempted or a 3.00 overall GPA.
 - Completion of 24 undergraduate hours in physics or the equivalent and mathematics through differential equations and other prerequisites (if any), as determined by the graduate program advisor.
- Students with course deficiencies must complete 3000/4000 level courses in physics and engineering in addition to the program course requirements.
- Graduate Record Examination scores. Completion of the exam is not required. However, we recommend completion of the exam with a minimum combined GRE verbal and quantitative score of 305.
- All applicants must receive approval for admission to the program from the Engineering Physics Admissions Committee.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Students applying for a Master Degree through the Accelerated BS/MS Degree Program must submit the following items to the Engineering Physics Department Accelerated Program Admissions Committee:

- Application for admission received by March 5 in the spring semester of the junior year.
- Official copies of transcripts from each institution attended. Transcripts must show:
 - The applicant is a UCO Engineering Physics major;
 - A minimum overall GPA of 3.00;
 - A minimum GPA of 3.00 in all Engineering and Physics courses specified in the junior year for their major. Grades for engineering courses taken in the spring semester of the junior year will be submitted when courses are completed at the end of junior year.
- Two letters of recommendation from Engineering & Physics faculty.
- A statement of purpose describing the applicant's:
 - Plans and rationale for graduate study at UCO;
 - Intentions toward and involvement in research activities.

Note: All applicants must receive approval for admission to the program from the Department's Accelerated Program Admissions Committee. The student must choose the thesis option in the graduate program. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities. In this program three 5000-level ENGR, BME, or PHY courses (9 hours) taken during the senior year will count towards both the BS and MS degrees. The three courses are specified by the undergraduate major being sought.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' original title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by advertised deadline.

Graduation Requirements

The student may select either the non-thesis option or the thesis option. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities.

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Program: Engineering
Major: Engineering Physics continued

Required Courses.....15 Hours

Course Prefix	Course No.	Course Title
PHY	5013	Mathematical Physics II
ISOM	5333	Project Management
ENG	5023	Technical Writing
ENGR	5990	Thesis (6 hrs) OR
ENGR	5980	Graduate Project (3 hrs) AND
ENGR	5633 5803	Mechatronics & Laboratory

Guided Electives.....12 Hours

Complete at least four courses from the list below:

Course Prefix	Course No.	Course Title
PHY	5103	Classical Mechanics
PHY	5063	Analytical Mechanics
ENGR	5613	Photonics
ENGR	5633	Solid State Devices
ENGR	5083	Electromagnetic Fields II
ENGR	5163	Engineering Optics
ENGR	5443	Quantum Mechanics

General Electives.....5 Hours

All General electives must be approved by the student's advisement committee and selected from the following list:

Course Prefix	Course No.	Course Title
PHY	5930	Ind. Study in Physics (1-3 Hrs)
ENGR	5xxx	Graduate ENGR Course
BME	5xxx	Graduate BME Course
PHY	5xxx	Graduate PHY Course
MATH	5xxx	Graduate MATH Course
CHEM	5xxx	Graduate CHEM Course
CMSC	5xxx	Graduate CMSC Course
STAT	5xxx	Graduate STAT Course
PSM	5xxx	Graduate PSM Course

TOTAL HOURS REQUIRED 32 HOURS

Accelerated Degree Pathway: BS to MS

Accelerated Degree Pathway students who are accepted to the undergraduate degree in Engineering Physics may apply to take up to a maximum of nine hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. Engineering Physics - Physics and M.S Engineering - Engineering Physics. The approved graduate courses are PHY 5443 Quantum Mechanics; a 5000-level PHY, ENGR, or BME course; a 5000-level PHY course. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.

Program:	Engineering	Dept:	School of Engineering
Major:	Mechanical Engineering	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6638

Engineering - Mechanical Engineering, M.S.

This major is designed so that its graduates can enter industry/government as practicing engineers or pursue research and teaching careers with government and/or academic institutions. The major also provides advanced study in mechanical engineering, with emphasis in solid mechanics, thermo-fluid, and mechatronics, for students who intend to pursue a Ph.D. degree in Mechanical Engineering or related fields.

Graduate Advisor:	Dr. Yuhao Jiang
Email:	yjiang1@uco.edu
Office:	STEM 242
Phone:	405 - 974 - 5472

GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show: *
 - A minimal 2.75 GPA overall and 3.00 GPA in the last 60 hours attempted or a 3.00 overall GPA.
 - Completion of 24 undergraduate hours in physics or the equivalent and mathematics through differential equations and other prerequisites (if any), as determined by the graduate program advisor.
- Students with course deficiencies must complete 3000/4000 level courses in physics and engineering in addition to the program course requirements.
- Graduate Record Examination scores. Completion of the exam is not required. However, we recommend completion of the exam with a minimum combined GRE verbal and quantitative score of 305.
- Two letters of recommendation. Letters of recommendation are requested through the online application portal.
- All applicants must receive approval for admission to the program from the Engineering Physics Admissions Committee.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Note: Students must meet with faculty mentor/advisor in group or individual advisement session before enrolling.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate

Students applying for a Master Degree through the Accelerated BS/MS Degree Program must submit the following items to the Engineering Physics Department Accelerated Program Admissions Committee:

- Application for admission received by March 5 in the spring semester of the junior year.
- Official copies of transcripts from each institution attended. Transcripts must show:
 - The applicant is a UCO Mechanical Engineering major;
 - A minimum overall GPA of 3.00;
 - A minimum GPA of 3.00 in all Engineering and Physics courses specified in the junior year for their major. Grades for engineering courses taken in the spring semester of the junior year will be submitted when courses are completed at the end of junior year.
- Two letters of recommendation from Engineering & Physics faculty.
- A statement of purpose describing the applicant's:
 - Plans and rationale for graduate study at UCO;
 - Intentions toward and involvement in research activities.

Note: All applicants must receive approval for admission to the program from the Department's Accelerated Program Admissions Committee. The student must choose the thesis option in the graduate program. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities. In this program three 5000-level ENGR, BME, or PHY courses (9 hours) taken during the senior year will count towards both the BS and MS degrees. The three courses are specified by the undergraduate major being sought.

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Thesis (optional). If applicable, complete an acceptable thesis and successfully defend it in public. Submit two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' original title page, original signature page, summary and abstract page to the JCGS.
- Final Requirements. Apply for graduation through the JCGS by

continued...

Program: Engineering
Major: Mechanical Engineering continued

advertised deadline.

Graduation Requirements

The student may select either the non-thesis option or the thesis option. The thesis option requires the submission and public defense of an acceptable thesis based on independent research activities.

Required Courses.....15 Hours

Course Prefix	Course No.	Course Title
PHY	5013	Mathematical Physics II
ISOM	5333	Project Management
ENG	5023	Technical Writing
ENGR	5990	Thesis (6 hrs) OR
ENGR	5980	Graduate Project (3 hrs) AND
ENGR	5803	Mechatronics & Laboratory

Guided Electives.....12 Hours

Complete at least two courses from the list below

Course Prefix	Course No.	Course Title
ENGR	5023	Heat Transfer
ENGR	5103	Finite Element Analysis
ENGR	5203	Refrigeration & Air Conditioning
BME	5343	Biomechanics
ENGR	5443	Fluid Dynamics
ENGR	5143	Vibration
ENGR	5533	Thermal System Designs
ENGR	5303	Control Systems

General Electives.....5 Hours

All General electives must be approved by the student's advisement committee and selected from the following list:

Course Prefix	Course No.	Course Title
ENGR	5930	Ind. Study in Engineering (1-3 Hrs)
ENGR	5xxx	Graduate ENGR Course
BME	5xxx	Graduate BME Course
PHY	5xxx	Graduate PHY Course
MATH	5xxx	Graduate MATH Course
CMSC	5xxx	Graduate CMSC Course
STAT	5xxx	Graduate STAT Course
PSM	5xxx	Graduate PSM Course

TOTAL HOURS REQUIRED 32 HOURS

Accelerated Degree Pathway: BS to MS

Accelerated Degree Pathway students who are accepted to the undergraduate degree in Mechanical Engineering may apply to take up to a maximum of nine hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. Electrical Engineering and M.S Engineering - Mechanical

Engineering. The approved graduate courses are ENGR 5023 Heat Transfer, ENGR 5533 Thermal Systems Design, ENGR 5803 Mechatronics & Laboratory. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Program.

Program:	Nursing	Dept:	Nursing
Major:	Nursing	College:	Mathematics and Science
Degree:	Master of Science (M.S.)	Major Code:	6640

Nursing, M.S. - Exclusively Online (100 clinical hours required)

The Nursing Master of Science degree will help to provide for the increasing global need of health care practitioners with expanded nursing knowledge. The degree directly addresses the University of Central Oklahoma's mission to contribute to the intellectual, cultural, economic and social advancement of the communities and individuals it serves. The inclusion of 100 practicum hours facilitates the participation of students in transformative educational experiences that directly benefit the Oklahoma City metro area community. The degree integrates each of the Central Six tenets of transformative learning including Health and Wellness, Discipline Knowledge, Leadership, Problem Solving (Research, Scholarly and Creative Activities), Service Learning and Civic Engagement.

Graduate Advisor:	Dr. Maha El Hachi
Email:	melhachi@uco.edu
Office:	CHS 135
Phone:	405 - 974 - 5190

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Application materials and undergraduate transcripts must show:
 - A minimum 3.00 GPA overall or 3.00 GPA in the last 60 hours attempted.
 - Baccalaureate degree with a major in nursing from a program that has received nursing accreditation from an agency approved by the Department of Education or its equivalent with at least a 3.00 GPA.
 - Preference will be given to individuals with a current unrestricted license to practice as a Registered nurse in the state of Oklahoma. Conditional admission will be considered for individuals in the process of obtaining licensure.
 - Complete an undergraduate or graduate course in statistics.
- A written statement of purpose describing the applicant's plans and rationale for graduate study at UCO.
- Application may be made for conditional admission by students having an overall undergraduate GPA of at least 2.50 or at least 2.25 with five years having passed since the date of the first bachelor's degree.
- Students with a native language other than English and who do not have a current unrestricted license to practice as a Registered Nurse in the state of Oklahoma must submit evidence of English language proficiency as reflected by one of the following to meet Oklahoma Licensure and be admitted to the program:
 - Test of English Language Proficiency Score (TOEFL-iBT) of 26 Speaking and 83 Total.
 - Test of English for International Communications (TOEIC) score for Listening and Reading of 725, for Speaking and Writing of 140.
 - International English Language Testing System (IELTS) score 6.5 (academic format) or 7.0 (spoken band)
 - Michigan English Language Assessment Battery (MELAB) score 3 Speaking and 81 Total.
- Formal approval by the selection committee is required for admission.

Accelerated Degree Pathway (ADP) Requirements

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the Graduate Catalog. Accelerated pathways are only available in approved bachelor's and master's degree programs (see [Accelerated Degree Pathways on p.196](#)).

- The undergraduate student must be pursuing an undergraduate UCO major that is designated and approved as part of the official UCO Accelerated Degree Pathway offerings.
- The undergraduate student must be classified as "senior" standing or be completing the last semester of their junior year (soon to be entering into their senior undergraduate year).
- The undergraduate student must have a minimum overall undergraduate grade point average (GPA) of 3.0 or higher and 3.0 or higher in major specific coursework; the undergraduate GPA will be verified by the student's undergraduate academic advisor and by a representative of the Jackson College of Graduate Studies.

Students who are accepted to the undergraduate RN to BS degree option may apply to take three 5000-level NURS courses (9 credit hours) during the senior year of the BS degree. These courses are specified by ^{adp} in the Graduation Requirements. During the final semester of RN to BS coursework, the student may submit an application for admission to the Accelerated Program. This application must be submitted by the preference date for MS admissions.

Application materials must include/reflect:

- An updated UCO transcript.
- The applicant is a UCO Nursing major who completed an associate degree in nursing prior to being accepted to UCO nursing.
- A minimum overall GPA of 3.00.
- A minimum GPA of 3.00 in all UCO Nursing Courses (if courses are in progress must submit grades before starting any further 5000 level courses).
- A recommendation from Nursing Program career advancement subcouncil.
- A written statement of purpose describing the applicant's plans and rationale for graduate study at UCO

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than 6 hours of "C" or lower may be repeated.
 - Courses with a grade lower than B do not apply toward

continued...

Program:
Major

Nursing
Nursing Continued

graduation.

- Any incomplete grades awarded must have work completed before additional course enrollments are allowed.

Graduation Requirements

Required Core Courses..... 19 Hours

Course Prefix	Course No.	Course Title
NURS	5163	Innovations in Nursing
NURS	5233	Advanced Research/Evidence Based Practice
NURS	5323	Leadership in Healthcare Organizations
NURS	5213	Theoretical Foundations of Nursing
NURS	5414	Practice Immersion Experience
NURS	5980	Graduate Project, 3 credit hours OR
NURS	5990	Graduate Thesis - 3 credit hours

Pathway Options..... 15 Hours

Graduate Electives from list below and/or other graduate courses approved by graduate coordinator

Course Prefix	Course No.	Course Title
NURS	5333	Quality, Safety and Technology in Healthcare
NURS	5353	Legal/Ethical Issues in Healthcare
NURS	5443	Complex Adaptive Systems
NURS	5243	Healthcare Finance Management
NURS	5363	Performance Improvement in Healthcare
NURS	5713	Health Policy and Advocacy
NURS	5733	Advanced Human Science Concepts in Nursing
NURS	5423	Designing and Evaluating Learner-Centered Curriculum in Nursing
NURS	5613	Methods for Evaluating Learning Outcomes
NURS	5603	Transformative Teaching Strategies
NURS	5113	Advanced Pathophysiology
NURS	5133	Advanced Pharmacology
NURS	5153	Advanced Health Assessment

TOTAL HOURS REQUIRED 34 HOURS

Accelerated Degree Pathway: B.S. to M.S.

Accelerated Degree Pathway students who are accepted to the undergraduate RN to B.S. degree in Nursing may apply to take up to a maximum of nine hours during their senior year of the bachelor's degree. These courses will count toward both the B.S. in Nursing and M.S in Nursing degrees. The approved graduate courses are NURS 5323 Leadership in Healthcare Organizations, NURS 5353 Legal/Ethical Issues in Healthcare, and NURS 5113 Advanced Pathophysiology. During the last semester of their junior year or within 30 hours of graduation, undergraduate students with a 3.0 overall GPA may apply for admission to the Accelerated Degree Pathway.



FORENSIC SCIENCE INSTITUTE

ACADEMIC DEGREE PROGRAMS

W. Roger Webb Forensic Science Institute

Telephone: 405-974-6911

Fax: 405-974-3804

Email: jwomble1@uco.edu

Website: www.uco.edu/fsi

John P. Mabry, J.D., Director

James Creecy, Ph.D., Assistant Director and Director of Graduate Studies

The names of graduate program advisors appear on the program degree sheets on the following pages.

Graduate Offerings of the Forensic Science Institute

Master of Science (M.S.)

- Forensic Science
 - Forensic Science
 - Forensic Science - Chemistry
 - Forensic Science - Digital Forensics
 - Forensic Science - Molecular Biology

Doctor of Science (D.Sc.)

- Forensic Science

The Forensic Science Institute is devoted to academic excellence, through a unique multidisciplinary program, that provides outstanding educational, research, and professional training opportunities for practicing professionals and both undergraduate and graduate students. The Forensic Science Institute is a comprehensive training and research organization in all aspects of evidence collection, preservation, analysis, reporting and testimony. The Institute will promote leadership, character, and public service throughout all training events.

Program:	Forensic Science	Dept:	Forensic Science Institute
Major:	Forensic Science	College:	Forensic Science Institute
Degree:	Master of Science (M.S.)	Major Code:	7030

Forensic Science, M.S.

The M.S. Forensic Science degree is a research-oriented, graduate degree program. Students must complete a minimum of 36 hours of graduate level work, including a core of 15 hours, six hours of thesis research or three hours of graduate capstone, and a minimum of 15 to 18 hours of electives in their major area.

Graduate Advisor:	Dr. James Creecy
Email:	jcreecy@uco.edu
Office:	FSI 110B
Phone:	405 - 974 - 6920

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadline is April 15.

Admission into the Graduate Forensic Science Program is for the Fall semester only. Priority Admission will be considered for completed applications received in the Forensic Science Institute by April 15. Regular Admission will be considered after April 15, but before the first day of school in the Fall semester or until capacity is reached.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A minimum of 3.0 overall undergraduate GPA.
 - Completion of nine undergraduate hours and other prerequisites (if any), as determined by the graduate program advisor: FRSC 3043, STAT 2103, and FRSC 2503. These courses may be completed during the first year of graduate school at UCO.

Applications for the Graduate Forensic Science Program will be reviewed by the Forensic Science Institute. Applicants should submit one or more of the requirements below to be considered for admission:

- Graduate Record Examination (GRE) scores. A GRE score with a preferred minimum 50th percentile ranking (quantitative + verbal sections).
- Sufficient professional experience (2+ years) in Forensic Science or similar field.
- Scholastic achievement at the undergraduate level with a 3.5 GPA or above in a relevant degree program.

A one-page description of an area of interest in Forensic Science research should be submitted with the application material.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Completion of 36 credit hours
- Thesis or Capstone Project. Enroll in six hours of Thesis (FRSC 5990) and complete an acceptable thesis and successfully defend it in public, two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' title page, original signature page, summary and abstract page, summary and abstract page to the JCGS or enroll in three hours of Graduate Capstone (FRSC 5930) plus an additional three hour guided elective.
- Final Requirements. Apply for graduation through the JCGS by advertising deadline.

Graduation Requirements

Required Courses..... 36 Hours

Forensic Science Core..... 15 Hours

Course Prefix	Course No.	Course Title
FRSC	5143	Advanced Crime Scene Processing and Investigations
FRSC	5253	Forensic Science Analysis and Lab
FRSC	5863	Expert Witness
FRSC	5873	Research Methods in Forensic Science
FRSC	5881	Graduate Seminar
FRSC	5892	Professional Issues in Forensic Science

Capstone or Thesis Option..... 3 or 6 Hours

Course Prefix	Course No.	Course Title
FRSC	5930	Graduate Capstone (3 hours) OR
FRSC	5990	Thesis (6 hours)

Guided Electives..... 15 or 18 Hours

Complete a minimum of 15 hours from the following list or others as approved by the student's major professor and thesis committee for the Thesis option or 18 hours for the Capstone option.

Course Prefix	Course No.	Course Title
FRSC	5153	Crime Scene Photography
FRSC	5163	Medicolegal Forensics
FRSC	5173	Crime Scene Reconstruction
FRSC	5223	Behavior and Crime Scenes
FRSC	5233	Forensic Interviewing Techniques

continued...

Program: Forensic Science
Major: Forensic Science continued

FRSC	5263	Forensic and Biological Anthropology
FRSC	5273	Advanced Fingerprint Analysis
FRSC	5303	Forensic Archaeology
FRSC	5313	Forensic Pathology for Investigators
FRSC	5323	Forensic Toxicology and Lab
FRSC	5333	Forensic Molecular Biology and Lab
FRSC	5343	Forensic Serology and Lab
FRSC	5353	Firearm and Toolmark Analysis
FRSC	5373	Cold Case Review and Analysis
FRSC	5413	Bloodstain Pattern Analysis
FRSC	5423	Bloodstain Pattern Analysis II
FRSC	5443	Forensic Arson Investigation
FRSC	5463	Digital Forensics and Lab
FRSC	5513	Forensic Chemistry and Lab
FRSC	5533	Forensic Microscopy and Lab
FRSC	5543	Advanced Firearm and Toolmark and Lab
FRSC	5553	WMD Forensics
FRSC	5613	Advanced Forensic DNA Analysis and Lab
FRSC	5633	Digital Forensics Tools and Analysis and Lab
FRSC	5653	Mobile Device Forensics and Lab
FRSC	5673	Network Forensics and Lab
FRSC	5713	Forensic Pharmacology
FRSC	5813	Ethics and Professional Development
FRSC	5910	Seminar in Forensic Science
FRSC	5920	Workshop in Forensic Science
FRSC	5930	Individual Study
FRSC	5940	Field Study in Forensic Science
FRSC	5950	Internship
FRSC	5960	Institute in Forensic Science
FRSC	5970	Study Tour

TOTAL HOURS REQUIRED 36 HOURS

Program:	Forensic Science	Dept:	Forensic Science Institute
Major:	Forensic Science - Chemistry	College:	Forensic Science Institute
Degree:	Master of Science (M.S.)	Major Code:	7601

Forensic Science — Chemistry, M.S.

The M.S. Forensic Science - Chemistry degree is a research-oriented, graduate degree program. Students must complete a minimum of 36 hours of graduate level work, including a core of 30 hours and six hours of thesis research or three hours of graduate capstone plus an additional three hour guided elective.

Graduate Advisor:	Dr. James Creecy
Email:	jcreecy@uco.edu
Office:	FSI 110B
Phone:	405 - 974 - 6920

Admission Requirements

Submit the following items to:

Jackson College of Graduate Studies
100 N. University Drive, NUC 404
Edmond, OK 73034

Application deadline is April 15.

Admission into the Graduate Forensic Science Program is for the Fall semester only. Priority Admission will be considered for completed applications received in the Forensic Science Institute by April 15. Regular Admission will be considered after April 15, but before the first day of school in the Fall semester or until capacity is reached.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A bachelor's degree in forensic science or natural science is required.
 - A minimum of 3.0 overall undergraduate GPA.
 - Completion of nine undergraduate hours and other prerequisites (if any), as determined by the graduate program advisor: FRSC 3043, STAT 2103, and FRSC 2503. These courses may be completed during the first year of graduate school at UCO.

Applications for the Graduate Forensic Science Program will be reviewed by the Forensic Science Institute. Applicants should submit one or more of the requirements below to be considered for admission:

- Graduate Record Examination (GRE) scores. A GRE score with a preferred minimum 50th percentile ranking (quantitative + verbal sections).
- Sufficient professional experience (2+ years) in Forensic Science -Chemistry or similar field.
- Scholastic achievement at the undergraduate level with a 3.5 GPA or above in a relevant major to include Forensic Science -Chemistry, Chemistry, Biochemistry or similar degree.

A one-page description of an area of interest in Forensic Science research should be submitted with the application material.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which

they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of "C".
 - No more than six advisor-approved hours from traditional correspondence courses.
- Completion of 36 credit hours
- Thesis or Capstone Project. Enroll in six hours of Thesis (FRSC 5990) and complete an acceptable thesis and successfully defend it in public, two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis' title page, original signature page, summary and abstract page to the JCGS or enroll in three hours of Graduate Capstone (FRSC 5930) plus an additional three hour guided elective.
- Final Requirements. Apply for graduation through the JCGS by advertising deadline.

Graduation Requirements

Required Courses.....36 Hours

Forensic Science Core..... 15 Hours

Course Prefix	Course No.	Course Title
FRSC	5143	Advanced Crime Scene Processing and Investigations
FRSC	5253	Forensic Science Analysis and Lab
FRSC	5863	Expert Witness
FRSC	5873	Research Methods in Forensic Science
FRSC	5881	Graduate Seminar
FRSC	5892	Professional Issues in Forensic Science

Forensic Science - Chemistry 15 Hours

Course Prefix	Course No.	Course Title
FRSC	5323	Forensic Toxicology and Lab
FRSC	5333	Forensic Molecular Biology and Lab
FRSC	5513	Forensic Chemistry and Lab
FRSC	5533	Forensic Microscopy and Lab
FRSC	5713	Forensic Pharmacology

Capstone or Thesis Option..... 3 or 6 Hours

Course Prefix	Course No.	Course Title
FRSC	5930	Graduate Capstone (3 hours) OR
FRSC	5990	Thesis (6 hours)

continued...

Program: Forensic Science
Major: Forensic Science - Chemistry continued

Guided Electives..... 0 or 3 Hours
(3 hours — Capstone; 0 hours — Thesis option)

Course Prefix	Course No.	Course Title
FRSC	5373	Cold Case Review and Analysis
FRSC	5553	WMD Forensics
FRSC	5910	Seminar
FRSC	5930	Individual Study
FRSC	5940	Field Study
FRSC	5950	Internship

TOTAL HOURS REQUIRED 36 HOURS

Program: Forensic Science **Dept:** Forensic Science Institute
Major: Forensic Science - Digital Forensics **College:** Forensic Science Institute
Degree: Master of Science (M.S.) **Major Code:** 7602

Forensic Science — Digital Forensics, M.S.

The M.S. Forensic Science - Digital Forensics degree is a research-oriented, graduate degree program. Students must complete a minimum of 36 hours of graduate level work, including a core of 27 hours and six hours of thesis research plus an additional three hour guided elective, or three hours of graduate capstone plus an additional six hours of guided electives.

Graduate Advisor: Dr. James Creecy
 Email: jcreecy@uco.edu
 Office: FSI 110B
 Phone: 405 - 974 - 6920

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadline is April 15.

Admission into the Graduate Forensic Science Program is for the Fall semester only. Priority Admission will be considered for completed applications received in the Forensic Science Institute by April 15. Regular Admission will be considered after April 15, but before the first day of school in the Fall semester or until capacity is reached.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A bachelor’s degree in Forensic Science, Natural Science, Management Information Systems, Software Engineering, or similar degree.
 - A minimum of 3.0 overall undergraduate GPA.
 - Completion of nine undergraduate hours and other prerequisites (if any), as determined by the graduate program advisor: FRSC 3043, STAT 2103, and FRSC 2503. These courses may be completed during the first year of graduate college at UCO.

Applications for the Graduate Forensic Science Program will be reviewed by the Forensic Science Institute. Applicants should submit one or more of the requirements below to be considered for admission:

- Graduate Record Examination (GRE) scores. A GRE score with a preferred minimum 50th percentile ranking (quantitative + verbal sections).
- Sufficient professional experience (2+ years) in Digital Forensics/Information Security or similar field.
- Scholastic achievement at the undergraduate level with a 3.5 GPA or above in a relevant degree program.

A one-page description of an area of interest in Forensic Science research should be submitted with the application material.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate

Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.

- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Completion of 36 credit hours
- Thesis or Capstone Project. Enroll in six hours of Thesis (FRSC 5990) plus an additional three hours guided elective and complete an acceptable thesis and successfully defend it in public, two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis’ title page, original signature page, summary and abstract page to the JCGS or enroll in three hours of Graduate Capstone (FRSC 5930) plus an additional six hours guided elective.
- Final Requirements. Apply for graduation through the JCGS by advertising deadline.

Graduation Requirements

Required Courses.....36 Hours

Forensic Science Core..... 15 Hours

Course Prefix	Course No.	Course Title
FRSC	5143	Advanced Crime Scene Processing and Investigations
FRSC	5253	Forensic Science Analysis and Lab
FRSC	5863	Expert Witness
FRSC	5873	Research Methods in Forensic Science
FRSC	5881	Graduate Seminar
FRSC	5892	Professional Issues in Forensic Science

Forensic Science - Digital Forensics 12 Hours

Course Prefix	Course No.	Course Title
FRSC	5463	Digital Forensics and Lab
FRSC	5633	Digital Forensics Tools and Analysis & Lab
FRSC	5653	Mobile Device Forensics and Lab
FRSC	5673	Network Forensics and Lab

Capstone or Thesis Option..... 3 or 6 Hours

Course Prefix	Course No.	Course Title
FRSC	5930	Graduate Capstone (3 hours) OR
FRSC	5990	Thesis (6 hours)

continued...

Program: Forensic Science
Major: Forensic Science - Digital Forensics continued

Guided Electives..... 3 or 6 Hours
(6 hours — Capstone; 3 hours — Thesis option)

Course Prefix	Course No.	Course Title
FRSC	5373	Cold Case Review and Analysis
FRSC	5910	Seminar
FRSC	5930	Individual Study
FRSC	5940	Field Study
FRSC	5950	Internship

TOTAL HOURS REQUIRED 36 HOURS

Program: Forensic Science **Dept:** Forensic Science Institute
Major: Forensic Science - Molecular Biology **College:** Forensic Science Institute
Degree: Master of Science (M.S.) **Major Code:** 7600

Forensic Science — Molecular Biology, M.S.

The M.S. Forensic Science - Molecular Biology degree is a research-oriented, graduate degree program. Students must complete a minimum of 36 hours of graduate level work, including a core of 30 hours and six hours of thesis research or three hours of graduate capstone plus an additional three hour guided elective.

Graduate Advisor: Dr. James Creecy
Email: jcreecy@uco.edu
Office: FSI 110B
Phone: 405 - 974 - 6920

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadline is April 15.

Admission into the Graduate Forensic Science Program is for the Fall semester only. Priority Admission will be considered for completed applications received in the Forensic Science Institute by April 15. Regular Admission will be considered after April 15, but before the first day of school in the Fall semester or until capacity is reached.

- Online application for admission (www.uco.edu/graduate/).
- Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions. Undergraduate transcripts must show:
 - A bachelor’s degree in forensic science or natural science is required.
 - A minimum of 3.0 overall undergraduate GPA.
 - Completion of nine undergraduate hours and other prerequisites (if any), as determined by the graduate program advisor: FRSC 3043, STAT 2103, and FRSC 2503. These courses may be completed during the first year of graduate college at UCO. In addition, in order to meet the FBI Quality Assurance Standards for Forensic DNA Testing Laboratories, students will be required to complete (if not already completed) course work in Genetics and Biochemistry.

Applications for the Graduate Forensic Science Program will be reviewed by the Forensic Science Institute. Applicants should submit one or more of the requirements below to be considered for admission:

- Graduate Record Examination (GRE) scores. A GRE score with a preferred minimum 50th percentile ranking (quantitative + verbal sections).
- Sufficient professional experience (2+ years) in Forensic Science -Molecular Biology or similar field.
- Scholastic achievement at the undergraduate level with a 3.5 GPA or above in a relevant major to include Forensic Science -Molecular Biology, Biology, Biochemistry or similar degree.

A one-page description of an area of interest in Forensic Science research should be submitted with the application material.

**Students falling below these standards may qualify for conditional admission. See [Admission to Graduate Studies \(p.17\)](#).*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.00 or higher.
 - No more than six hours of “C”.
 - No more than six advisor-approved hours from traditional correspondence courses.
- Completion of 36 credit hours
- Thesis or Capstone Project. Enroll in six hours of Thesis (FRSC 5990) and complete an acceptable thesis and successfully defend it in public, two paper copies of the thesis and one electronic copy to the library through Proquest and the thesis’ title page, original signature page, summary and abstract page to the JCGS or enroll in three hours of Graduate Capstone (FRSC 5930) plus an additional three hour guided elective..

Final Requirements. Apply for graduation through the JCGS by advertising deadline.

Graduation Requirements

Required Courses.....36 Hours

Forensic Science Core..... 15 Hours

Course Prefix	Course No.	Course Title
FRSC	5143	Advanced Crime Scene Processing and Investigations
FRSC	5253	Forensic Science Analysis and Lab
FRSC	5863	Expert Witness
FRSC	5873	Research Methods in Forensic Science
FRSC	5881	Graduate Seminar
FRSC	5892	Professional Issues in Forensic Science

Forensic Science - Molecular Biology..... 15 Hours

Course Prefix	Course No.	Course Title
FRSC	5333	Forensic Molecular Biology and Lab
FRSC	5343	Forensic Serology and Lab
FRSC	5513	Forensic Chemistry and Lab OR
FRSC	5323	Forensic Toxicology and Lab
FRSC	5533	Forensic Microscopy and Lab
FRSC	5613	Advanced Forensic DNA Analysis and Lab

continued...

Program: Forensic Science
Major: Forensic Science - Molecular Biology continued

Capstone or Thesis Option..... 3 or 6 Hours

Course Prefix	Course No.	Course Title
FRSC	5930	Graduate Capstone (3 hours) OR
FRSC	5990	Thesis (6 hours)

Guided Electives..... 0 or 3 Hours
(3 hours — Capstone; 0 hours — Thesis option)

Course Prefix	Course No.	Course Title
FRSC	5373	Cold Case Review and Analysis
FRSC	5413	Bloodstain Pattern Analysis
FRSC	5910	Seminar
FRSC	5930	Individual Study
FRSC	5940	Field Study
FRSC	5950	Internship

TOTAL HOURS REQUIRED 36 HOURS

Program: Doctor of Science - Forensic Science **Dept:** Forensic Science Institute
Major: Forensic Science **College:** Forensic Science Institute
Degree: Doctor of Science (D.Sc.) **Major Code:** 7700

Doctor of Science – Forensic Science, D.Sc.

The Doctor of Science – Forensic Science Program provides students with an additional 60 semester hours of graduate courses and research beyond the master’s degree. Our program offers a unique balance of internships, seminars, research, and management leadership training that is an integral part of the curriculum.

Graduate Advisor: Dr. James Creecy
 Email: jcreecy@uco.edu
 Office: FSI 110B
 Phone: 405 - 974 - 6920

Admission Requirements

Submit the following items to:
 Jackson College of Graduate Studies
 100 N. University Drive, NUC 404
 Edmond, OK 73034

Application deadline is April 15.

Admission into the Graduate Forensic Science Program is for the Fall semester only. Priority Admission will be considered for completed applications received in the Forensic Science Institute by April 15. Regular Admission will be considered after April 15, but before the first day of school in the Fall semester or until capacity is reached.

- Online application for admission (www.uco.edu/graduate/).
 - Official copies of undergraduate and graduate transcripts from each institution attended with all degrees posted. All transcripts must be from accredited institutions.
- Applications for the Graduate Forensic Science Program will be reviewed by the Forensic Science Institute.
- For admission to the program, applicants are required to provide:
- An M.S. degree in an area of science (Biological Science, Chemistry, Computer Science, Forensic Science, Mathematics, Physics, etc.), Engineering (Electrical, Mechanical, Chemical, Biomedical, etc.), or an area congruent with the Institute’s existing M.S. program. Students wishing admission to the D.Sc.-Forensic Science program who lack any prerequisite coursework may be considered for provisional admission and will be required to take up to 14 additional hours of graduate coursework to provide the necessary foundation for the program. The student’s Advisory Committee will decide what supplemental courses are to be completed.
 - A minimum GPA of 3.25 (or an equivalent) or higher. Applicants with less than a 3.25 GPA may be granted probationary admission based upon their overall academic and professional practice, history and accomplishments as determined by the Program Director and the Admissions Committee.
 - Three letters of recommendation from individuals who can provide input on the applicant’s potential to successfully complete D.Sc.-Forensic Science-level courses and conduct independent research.
 - A statement of research interest and career goals to be used in admission decisions on the applicant’s match with the program goals and faculty specialties.
 - Where English is not the native language, students must have scored above 550 on the paper based TOEFL or above 79 on the Internet based TOEFL.

**Students falling below these standards may qualify for conditional admission. See [Admissions to Graduate Studies](#) (p.17)*

Other Requirements

- Plan of Study. Each student must file a plan of study with their graduate program advisor and the Jackson College of Graduate Studies (JCGS) by the end of the first semester during which they complete their twelfth hour of graduate work. The plan must be signed and dated by the student and the graduate program advisor before it can be considered official.
- Academic Standards. Meet the following course work standards:
 - Overall GPA of 3.25 or higher.
- Completion of 60 credit hours
- Final Requirements. Apply for graduation through the JCGS by advertising deadline.

Graduation Requirements

Required Courses.....45 Hours

Course Prefix	Course No.	Course Title
FRSC	6910	Forensic Science Research Seminar (3 hrs)
FRSC	6950	Internship (3 hrs)
FRSC	6990	Dissertation Research (15 hrs)
FRSC	6203	Advanced Forensic Program and Lab Management (3 hrs)
FRSC	6303	Advanced Forensic Statistics and Modeling (3 hrs)
FRSC	6403	Forensic Personnel Management and Diversity Awareness (3 hrs)
FRSC	6503	Global Perspectives in Forensic Science (3 hrs)
FRSC	6113	Navigating Forensic Science Funding and Research (3 hrs)
FRSC	6123	Advances in Forensic DNA and Forensic Chemistry (3 hrs)
FRSC	6133	Advances in Trace Evidence and Digital Forensics (3 hrs)
FRSC	6143	Advances in Crime Scene Investigations and Impression Evidence (3 hrs)

Guided Electives.....15 hours

An additional 15 semester hours of elective courses as determined by the student’s doctoral research committee to reflect the major and research area selected by the student.

Course Prefix	Course No.	Course Title
FRSC	5143	Crime Scene Reconstruction
FRSC	5153	Crime Scene Photography
FRSC	5163	Medicolegal Forensics
FRSC	5223	Behavior and Crime Scenes
FRSC	5233	Forensic Interviewing Techniques
FRSC	5243	Forensic Psychology
FRSC	5253	Forensic Science Analysis & Lab

continued...

Program: Doctor of Science - Forensic Science
Major: Forensic Science

FRSC	5263	Forensic & Biological Anthropology
FRSC	5273	Advanced Fingerprint Analysis
FRSC	5303	Forensic Archaeology
FRSC	5313	Forensic Pathology
FRSC	5323	Forensic Toxicology & Lab
FRSC	5333	Forensic Molecular Biology & Lab
FRSC	5343	Forensic Serology & Lab
FRSC	5353	Firearm and Toolmark Analysis
FRSC	5363	Advanced Crime Scene Techniques
FRSC	5373	Cold Case Review and Analysis
FRSC	5413	Bloodstain Pattern Analysis
FRSC	5423	Bloodstain Pattern Analysis II
FRSC	5443	Forensic Arson Investigation
FRSC	5463	Digital Forensics & Lab
FRSC	5513	Forensic Chemistry & Lab
FRSC	5533	Forensic Microscopy & Lab
FRSC	5543	Advanced Firearm and Toolmark & Lab
FRSC	5553	WMD Forensics
FRSC	5613	Advanced Forensic DNA Analysis & Lab
FRSC	5633	Digital Forensic Tools and Analysis & Lab
FRSC	5653	Mobile Device Forensics & Lab
FRSC	5713	Forensic Pharmacology
FRSC	5863	Expert Witness
FRSC	5873	Research Methods in Forensic Science
FRSC	5881	Graduate Seminar
FRSC	5892	Professional Issues in Forensic Science

Statistics Courses

Course Prefix	Course No.	Course Title
STAT	5103	Applied Experimental Design
STAT	5123	Mathematical Statistics 2
STAT	5213	Applied Regression Analysis
STAT	5253	Quality Control
STAT	5263	Computer Applications in Statistics
STAT	5303	Non-Parametric Statistics
STAT	5353	Probability Theory
STAT	5423	Data Fitting
STAT	5513	Statistical Consulting

Other Courses

Course Prefix	Course No.	Course Title
ENG	5023	Technical Writing
ENG	5063	Advanced Technical Writing
ISOM	5333	Project Management

TOTAL HOURS REQUIRED 60 HOURS



Jackson College of Graduate Studies

ACCELERATED DEGREE PATHWAYS

Jackson College of Graduate Studies

Telephone: 405-974-3341

Fax: 405-974-3852

Email: gradcoll@uco.eduWebsite: www.uco.edu/graduate**About UCO Accelerated Degree Pathways (ADP)**

Qualifying current UCO undergraduate students seeking an Accelerated Degree Pathway (ADP) must abide by the policies and procedures outlined within the *Graduate Catalog*. Accelerated pathways are only available in approved bachelor's and master's degree programs. For a list of approved pathways, see the list below as well as the associated catalog degree sheets. ADP students may take a maximum of twelve (12) graduate credit hours (i.e. 5000-level courses) before their undergraduate degree has been awarded. These twelve graduate credit hours taken by the ADP student must align with the approved ADP courses as outlined on the graduate degree sheet that is associated with the approved ADP program as outlined in the *Graduate Catalog*. These twelve (12) graduate credit hours taken will count as credit on both the undergraduate and graduate transcripts of the ADP student as long as the grades received in the courses align with graduation policies and requirements issued by the University of Central Oklahoma. To learn more about the requirements of Accelerated Degree Pathways, refer to p. 25 of this catalog.

Accelerated Degree Pathways

Undergraduate Degree and Major		Graduate Degree and Major
• B.A. in Arts Administration	→	• M.B.A. in Business Administration
• B.A. in Art History	→	• M.A. in Museum Studies
• B.A. in Criminal Justice – Police	→	• M.A. in Crime and Intelligence Analysis • M.A. in Criminal Justice Management and Administration
• B.A. in Criminal Justice – Corrections and Transformative Justice • B.A. in Criminal Justice – General Criminal Justice	→	• M.A. in Criminal Justice Management and Administration • M.A. in Crime and Intelligence Analysis
• B.A. in History - Museum Studies	→	• M.A. in Museum Studies
• B.A. in Political Science • B.A. in Political Science – Public Service	→	• M.A. in Political Science • M.A. in Political Science – International Affairs • M.P.A. in Public and Nonprofit Management • M.P.A. in Urban Management
• B.A. in Sociology • B.A. in Sociology–Substance Abuse Studies • B.S. in Human Development/Family Sciences–Gerontology	→	• M.A. in Addictions Counseling
• B.A. in Strategic Communications - Advertising and Public Relations • B.A. in Mass Communication - Professional Media • B.A. in Photographic Arts • B.A. in Communication - Interpersonal Communication	→	• M.A. in Strategic Communications - Leadership in Communications
• B.A. in Technical Writing	→	• M.A. in Composition and Rhetoric
• B.B.A. in Finance	→	• M.S. in Finance
• B.B.A. in Information Systems and Operations Management - Management Information Systems	→	• M.S. in Business Analytics

continued...

Undergraduate Degree and Major**Graduate Degree and Major**

<ul style="list-style-type: none"> • B.S. in Actuarial Science – Actuarial Science • B.S. in Mathematics – Applied Mathematics • B.S. in Mathematics – Mathematics • B.S. in Mathematics – Statistics 	→	<ul style="list-style-type: none"> • M.S. in Applied Mathematical Science - Mathematics • M.S. in Applied Mathematical Science - Statistics • M.S. in Applied Mathematical Science - Teaching • P.S.M. in Computational Science – Computational Mathematics
<ul style="list-style-type: none"> • B.S. in Biomedical Engineering – Biomedical Engineering 	→	<ul style="list-style-type: none"> • M.S. in Engineering Physics – Biomedical Engineering • P.S.M. in Computational Science – Computational Engineering
<ul style="list-style-type: none"> • B.S. in Computer Science – Computer Science • B.S. in Computer Science – Information Science • B.S. in Software Engineering – Software Engineering 	→	<ul style="list-style-type: none"> • P.S.M. in Computational Science – Computer Science
<ul style="list-style-type: none"> • B.S. in Data Science – Data Science 	→	<ul style="list-style-type: none"> • P.S.M. in Computational Science – Computational Mathematics • P.S.M. in Computational Science – Computer Science
<ul style="list-style-type: none"> • B.S. in Early Childhood Education 	→	<ul style="list-style-type: none"> • M.Ed. in Curriculum and Instruction – Early Childhood Education
<ul style="list-style-type: none"> • B.S. in Electrical Engineering – Electrical Engineering 	→	<ul style="list-style-type: none"> • M.S. in Engineering Physics – Electrical Engineering • P.S.M. in Computational Science – Computational Engineering
<ul style="list-style-type: none"> • B.S. in Engineering Physics – Physics 	→	<ul style="list-style-type: none"> • M.S. in Engineering Physics – Physics • P.S.M. in Computational Science – Computational Engineering
<ul style="list-style-type: none"> • B.S. in Fashion Marketing 	→	<ul style="list-style-type: none"> • M.B.A. in Business Administration • M.B.A. in Business Administration - Human Resource Management • M.B.A. in Business Administration - Sales Leadership
	→	
<ul style="list-style-type: none"> • B.S. in Mechanical Engineering – Mechanical Engineering 	→	<ul style="list-style-type: none"> • M.S. in Engineering Physics – Mechanical Engineering • P.S.M. in Computational Science – Computational Engineering
<ul style="list-style-type: none"> • B.S. in Nursing (RN to B.S. only) 	→	<ul style="list-style-type: none"> • M.S. in Nursing
<ul style="list-style-type: none"> • B.S. in Psychology 	→	<ul style="list-style-type: none"> • M.S. in Behavior Analysis • M.S. in Psychology – Experimental Psychology • M.S. in Psychology – Forensic Psychology • M.S. in Psychology – General Psychology
<ul style="list-style-type: none"> • B.S. in Public Health 	→	<ul style="list-style-type: none"> • M.P.H. in Public Health – Community Engagement

GRADUATE FACULTY



UNIVERSITY OF CENTRAL OKLAHOMA
**Jackson College of
Graduate Studies**

Graduate Faculty

The Graduate Faculty

The Graduate Faculty serves in a consultative role to the Jackson College of Graduate Studies (JCGS) and Graduate Council. The Graduate Council must approve new non-tenure track associate members of the Graduate Faculty before the final printing of the semester schedule in which new members wish to teach. Faculty who are not members of the Graduate Faculty may not teach graduate courses unless approved by the Graduate Dean to do so for one semester on an emergency basis. There are two membership levels in the Graduate Faculty: Full Members and Associate Members.

Full Members of the Graduate Faculty:

Full membership to the Graduate Faculty shall be granted to full-time faculty possessing an earned doctorate who are active in scholarship, creative endeavors, basic research and/or applied research as defined by the standards of the faculty member's department and who are dedicated to the professional enhancement of their students, their disciplines, their College, the University, and the community.

Faculty in the College of Fine Arts and Design will be considered an exception to the earned doctorate requirement and will be eligible for Full Graduate Faculty membership if they possess an M.F.A. degree and 60 graduate hours in the teaching field. The Dean of Fine Arts and Design, upon advisement of Fine Arts and Design chairpersons will determine equivalence to the terminal degree and submit nominations to the Dean of the Graduate College for consideration. This exception applies to M.F.A. degrees in other colleges where the degree is considered terminal (i.e., Creative Writing).

In addition to the above stated nomination criteria, the following qualifications are required of all JCGS faculty candidates nominated for Full Membership:

1. Superior teaching ability supported by student evaluations (when available), chairperson evaluation and teaching innovation.
2. Active participation in research leading to publications and/or other appropriate scholarly/ artistic activities
3. Activities, performances, or exhibits commended by professionals in the candidate's field of study.
4. Willingness and ability to supervise theses or mentor graduate students.

College Deans, at the recommendation of Department Chairs or their designees, will put forth a nomination of a candidate based on the stated criteria (full-time faculty status, possession of an earned doctorate, active in scholarship, creative endeavors, basic research and/or applied research as defined by the standards of the faculty member's

department and dedication to the professional enhancement of students, disciplines, College, the University, and the community). The Chair will put forth this nomination to the College Dean. The College Dean will put forth this nomination to the Dean of the Jackson College of Graduate Studies where, subsequent to satisfactory review, the nomination will be forwarded to the Graduate Council Membership Committee for recommendation to credential. The Dean of the JCGS will ultimately render a final credentialing decision based on these assessments and reviews.

Application for Full Membership must be made on the JCGS Graduate Faculty Membership Nomination form, available in the Jackson College of Graduate Studies or at this internet address:

<https://www.uco.edu/graduate/files/graduate-faculty-nomination.pdf>

Members of the University faculty who have not been granted full membership to the JCGS Graduate Faculty may request to teach graduate classes, serve on advisory committees and thesis committees upon nomination by the appropriate Department Chair, concurrence of the College Dean, recommendation of the Graduate Council Membership Committee, and approval by the Dean of the Jackson College of Graduate Studies.

Faculty members so approved are designated as Associate Members of the Graduate Faculty. Under no circumstance will faculty who are not Full Members or Associate Members of the Graduate Faculty teach graduate courses.

Associate Members of the Graduate Faculty:

Associate Graduate Faculty Membership can be full-time or part-time faculty. These appointments shall be subject to periodic (three-year) review.

Associate members of the JCGS are expected to possess 18 hours of graduate credit in the discipline of instruction or a discipline-specific track record verified by the Department Chair, College Dean, and Graduate Dean.

College Deans and Department Chairs are encouraged to develop and implement a Graduate Faculty Mentorship Program, for JCGS Associate Members, targeted at enhancing expertise and experience in graduate course development, graduate teaching, graduate research and funding administration, graduate student management, and graduate faculty ethics and professionalism.

During the initial three-year appointment, Associate Members are required to be mentored by an assigned Full Member of the Graduate Faculty. Mentorship will be commensurate with the experience level of the candidate and approved by the

Graduate Faculty

Graduate Dean and the Graduate Council. Graduate Faculty Mentors are not required to come from the discipline of the faculty member, easing the burden on small departments.

Associate Membership will be reviewed and evaluated by the JCGS Dean after three years, based upon contributions to active in scholarship, creative endeavors, basic and applied research as defined by the standards of the faculty member's department, and dedicated to the professional enhancement of students, disciplines, their College, the University, and the Community. It is expected that Associate Members seeking continued JCGS faculty credentials will have demonstrated and documented additional accomplishments in each element since the last review.

Application for three-year Associate Membership on the JCGS Graduate Faculty is initiated by the Department Chair or the Chair's Designee and forwarded to the Dean of the College for review, approval and recommendation to the JCGS Dean. The Graduate Dean will review the application and forward it to the Membership Committee of the Graduate Council for review and recommendation to the Graduate Dean. Ultimate approval of Associate Membership nominations is the purview of the JCGS Dean.

The Graduate Faculty Membership Nomination Form, available in the Jackson College of Graduate Studies, will be sent to the Graduate Dean, and will include a current curriculum vitae, a letter of application, transcripts, and other supportive information if requested.

Emergency Associate Memberships, of one-semester duration, may be granted by the Dean of the Jackson College of Graduate Studies.

A list of approved nominations for Graduate Faculty Full and Associate Membership will be forwarded to the Vice President for Academic Affairs, College Deans, and Department chairpersons.

Nominations and Application Documents for Full Membership or Associate Membership in the JCGS Graduate Faculty must be received and acted upon before the final printing of the semester schedule in which the faculty member intends to teach.

Duties of the Graduate Faculty:

Specific duties of the Graduate Faculty, in addition to other responsibilities as University Faculty members, include the following:

1. Teach courses open to graduate students only.
2. Seek out undergraduate students of outstanding ability and encourage them to pursue graduate study.
3. Conduct graduate classes and seminars that stimulate creativity and contribute to the growth and development

of independent scholarly attitudes and performance.

4. Participate in research which has intrinsic scholarly or artistic value and which will motivate the students to similar endeavor.
5. Supervise research/artistic projects of graduate students when requested.
6. Encourage informal activities among students leading to scholarly or artistic production.
7. Maintain standards of student performance to prepare graduates for the professional and scholarly responsibilities of an educated person in a free society.
8. Review the reports of the Graduate Council and the various committees of the Jackson College of Graduate Studies and determine the general direction of the Jackson College of Graduate Studies.

The Graduate Faculty shall meet at least once each year during the month of April. A quorum for transacting business shall be the number present at the meeting. Special meetings may be called by the Dean of the Jackson College of Graduate Studies whenever the action of the Graduate Faculty is needed. A special meeting must be called if ten percent of the Graduate Faculty so petition.

Name, College, Degree, Institution, Date of Degree

* Denotes Associate Member of Graduate Faculty.

A

Abu-Abed, Alaeddin, Mathematics and Science, 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 J., Liberal Arts, B.A., University of Vermont, 1988; M.A., University of Nebraska, 1990; Ph.D., University of Nebraska, 1994

Adams, Dwight E., Forensic Science Institute, B.S., University of Central Oklahoma, 1977; M.S., Illinois State University, 1979; Ph.D., University of Oklahoma, 1982

Agan, Justin, Mathematics and Science, B.S., Clayton State University, 2013; Ph.D., Oklahoma State University, 2021

Aguirre-Y-Luker, Grant C., Business, B.A., University of Central Oklahoma, 1997; M.A., University of Central Oklahoma, 1999, J.D., Oklahoma City University, 2004; Ph.D., New Mexico State University, 2013

Ahmadifar, Joe, Education and Professional Studies, B.S., University of Science and Art, 1975; B.S., Oklahoma City University, 1975; M.S., University of Central Oklahoma, 1995; Ph.D., University of Oklahoma, 2000

Ait moussa, Abdellah, Mathematics and Science, B.S./M.S., University of Mohammed V. Mohammadia Engineering School. 1999; M.S., University of Central Oklahoma, 2004; Ph.D., University of Oklahoma, 2012

Aktas Mehmet, Mathematics and Science, B.S., Bilkent University, 2009; M.S., Bilkent University, 2011; Ph.D., Florida State University, 2017

Albahadily, Fakhildeen N., *Emeritus*, Mathematics and

Graduate Faculty

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

Allan, Elizabeth, Mathematics and Science, B.S., University of Oklahoma, 1983; M.A., University of California, Riverside, 1990; Ph.D., University of California, Riverside, 1997

Alsbou, Nesreen, Mathematics and Science, B.S., Kansas State University, 2000; M.S., Kansas State University, 2001; Ph.D., University of Oklahoma, 2012

Appleby, Jessica, Liberal Arts, B.A., University of Colorado, 2006; M.A., University of Colorado, 2008; Ph.D., University of Colorado, 2017

Arnold, Allen, Business, B.B.A., University of Central Oklahoma, 2001; M.B.A., University of Central Oklahoma, 2003; M.Ed., University of Central Oklahoma, 2005; Ph.D., Oklahoma State University, 2014

Arnold, Barbara, Mathematics and Science, B.S., University of Central Oklahoma, 1995; M.S., Oklahoma University, University of Central Oklahoma, 2001, 2005; Ph.D., Oklahoma State University, 2012

Atkins, LaDonna, Education and Professional Studies, B.S., University of Central Oklahoma, 1991; M.Ed., University of Central Oklahoma, 1994; Ed.D., Oklahoma State University, 2002

B

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

Baker, James, *Emeritus*, Liberal Arts, B.A., University of Houston, 1965; M.A., Tulane University, 1967; Ph.D., Tulane University, 1971

Baker, Kelly, Education and Professional Studies, B.S., University of Oklahoma, 1984; M.Ed., University of Central Oklahoma, 1988; Ed.D., Oklahoma State University, 1995

Ball, Chelsea, Liberal Arts, B.A., University of Central Oklahoma, 2014; M.A., University of Oklahoma, 2016; University of Oklahoma, 2021

Bannish Laverty, Brittany, Mathematics and Science, B.A., Mount Holyoke College, 2006; M.S., University of Utah, Salt Lake City, 2008; Ph.D., University of Utah, 2012

Barger-Johnson, Jennifer, Business, B.B.A., Cameron University, 1993; J.D., University of Arkansas, 1997

Barnes, Karen, *Emeritus*, Education and Professional Studies, B.S., University of Oklahoma, 1970; M.S., University of Oklahoma, 1989; Ph.D., University of Oklahoma, 1998

Barnes, Susan J., Mathematics and Science, B.S., University of Texas at Arlington, 1980; M.S., University of Texas Health Science Center at San Antonio, 1985; Ph.D., University of Texas Health Science Center at San Antonio, 1998

Barnes, Tajanae, Liberal Arts, B.A., North Carolina A&T State University, 2014; M.A., North Carolina A&T State University, 2015; Ph.D., University of Nevada - Las Vegas, 2021

Barnett, Karis, Liberal Arts, B.A., Oklahoma Baptist

University, 1991; MHR, University of Oklahoma, 1995; Ph.D., University of Oklahoma, 2014

Barthell, John F., Mathematics and Science, B.S., University of California at Berkeley, 1985; Ph.D., University of California at Berkeley, 1992

Bass, T. David, Mathematics and Science, B.S., Lamar University, 1978; M.S., Lamar University, 1980; Ph.D., Texas A&M University, 1985

Baughman, T. H., *Emeritus*, Liberal Arts, B.A., Stetson University, 1968; M.A., Ohio State University, 1969; Ph.D., Florida State University, 1990

Beasley, Lori A., Education and Professional Studies, B.S., Oklahoma State University, 1978; M.Ed., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1996

Beliele, Laressa D., Education and Professional Studies, B.A.Ed., University of Central Oklahoma, 1980; M.Ed., University of Central Oklahoma, 1998; Ph.D., Regent University, 2012

Benson, Susan, *Emeritus*, Education and Professional Studies, B.S., Oklahoma State University, 1978; M.S., University of Oklahoma, 1908; Ph.D., University of Oklahoma, 1997

Bentley, Caroline, Mathematics and Science, B.S., Oral Roberts University, 1993; M.A., College of William and Mary, 1995; Ph.D., University of Washington, 2000

Bertram, Anita G., Education and Professional Studies, B.S., Oklahoma State University, 1978; M.S. University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 2005

***Bettis, Jeannine E.**, Liberal Arts, B.A., University of Central Oklahoma, 1981; M.A., University of Central Oklahoma, 1983

Bhargava, Kanika, Education and Professional Studies, B.S., Delhi University, 2002; M.S., Guru Nanak Dev University, 2004; Ph.D., Wayne State University, 2013

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

Bingabr, Mohamed, Mathematics and Science, B.S., Syracuse University, 1989; M.S., Syracuse University, 1993; Ph.D., Syracuse University, 2002

Bird, Rosa J., Liberal Arts, B.A., University of Puerto Rico, Rio Piedras, 1987; M.A., University of Illinois at Urbana-Champaign, 1988; Ph.D., University of Illinois at Urbana-Champaign, 1991

Black, Stephen, Business, B.S., Texas A&M University, 1982; M.B.A., Oklahoma City University, 1985; Ph.D., Oklahoma State University, 1995

Bojja, Giridhar Reddy, Business, B.S., Jawaharla Nehru Technological University, 2016; M.S., Dakota State University, 2017; Ph.D., Dakota State University, 2022

Bolf-Beliveau, Laura, Liberal Arts, A.A., Elgin Community College, 1986; B.S., Illinois State University, 1988; M.Ed., University of Illinois, 1993; Ph.D., University of Oklahoma, 2008

Graduate Faculty

***Borycki, Dennis**, Fine Arts and Design, B.A., San Jose University, 1974; M.M., University of Oklahoma, 1976
Bost, Robert O., *Emeritus*, Mathematics and Science, B.S., University of Texas at Austin, 1965; M.A., University of Texas at Austin, 1967; Ph.D., University of Houston, 1970
Brennan, Robert, Mathematics and Science, B.S., University of South Dakota, 1993; M.S., Louisiana State University, 1997; Ph.D., Texas A&M University, 2004
Breslin, Linda, Liberal Arts, B.A., Cedar Crest College, 1985; M.A., Lehigh University, 1989; Ph.D., Lehigh University, 1994
Breslin, Michael, Liberal Arts, B.S.O.E., Wayland Baptist University, 1993; M.A., Texas Tech University, 1998; Ph.D., Oklahoma State University, 2021
Bridges, Timothy R., *Emeritus*, Business, B.S., Ohio State University, 1969; M.S., Air Force Institute of Technology, 1978; Ph.D., University of Oklahoma, 2000
Brodnax, Mary, *Emeritus*, Liberal Arts, B.A., Vanderbilt University, 1978; M.A., Johns Hopkins, 1980; Ph.D., Johns Hopkins, 1987
Brown, Elizabeth, Fine Arts and Design, B.F.A., Rhode Island School of Design, 1995; M.F.A., Arizona State University, 1999
Brym, Michelle., Liberal Arts, B.A., Miami University, 2000; M.A., Miami University, 2002; Ph.D., University of Tennessee, 2010
Buchanan, Merry, Liberal Arts, B.A., University of Central Oklahoma, 1982, M.A., University of Central Oklahoma, 1989, Ph.D., University of Oklahoma, 2001
Burdina, Mariya, Business, B.B.A., Kyiv National Economic University, 2002; M.A., North Dakota State University, 2004; Ph.D., University of Colorado, 2010
Burns, Jaime L., Liberal Arts, B.A., Ouachita Baptist University, 1999; M.A., Oklahoma State University, 2002; Ph.D., Oklahoma State University, 2006
Butler, Christopher, Mathematics and Science, B.S., Cornell University, 2000; Ph.D., University of Oxford, 2004
Butterfield, Emily J., Fine Arts and Design, B.M., Michigan State University, 1984; M.M., Florida State University, 1987; D.M.A., Ohio State University, 2003
Byrne, Jesse W., Mathematics and Science, 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., Mathematics and Science, B.A., University of Alabama, 1974; M.A., University of Alabama, 1979; Ph.D., University of North Carolina at Chapel Hill, 1989
Caire, William, *Emeritus*, Mathematics and Science, B.S., Texas Tech University, 1969; M.S., University of North Texas, 1972; Ph.D., University of New Mexico, 1978
Campos, Heloisa Cursi, Education and Professional Studies, B.S., Pontifical Catholic University of Sao Paulo, 2008; M.S., University of Sao Paulo, 2009; Ph.D., University of Sao Paulo, 2013
***Carlton, Samantha**, Education and Professional Studies, B.S., University of Central Oklahoma, 2010; M.S., University

of Central Oklahoma, 2013

Carrell, Amy, *Emeritus*, Liberal Arts, B.A., Purdue University, 1983; M.A., Purdue University, 1985; Ph.D., Purdue University, 1993
Carter, Barbara, Education and Professional Studies, B.A., Oklahoma Baptist University, 1990; M.Ed., University of Central Oklahoma, 2014; D.Ed.M., Southwestern Baptist Theological Seminary, 2006
Carver, Mary, Liberal Arts, B.A., Iowa State University, 1988; M.A., Wichita State University, 1994; Ph.D., University of Kansas, 1999
Cary, Cindi, Business, B.B.A., Texas Wesleyan University, 1982; M.B.A., Midwestern State University, 1995; Ph.D., Rhodes University, 2019
Cassel, Darlinda, Education and Professional Studies, B.S., Centenary College, 1981; M.A., Louisiana Tech University, 1983; Ph.D., University of Oklahoma, 2002
Chae, Ho-Chang, Business, B.S., Hanyang University, 1998; M.S., University of North Texas, 2001; Ph.D., University of North Texas, 2009
Chapman, J. David, Business, B.S., Oklahoma State University, 1987; M.B.A., Embry Riddle Aeronautical University, 1991; Ph.D., Oklahoma State University, 2012
Charoenwongse-Shaw, Chindarat, Fine Arts and Design, B.F.A., Chulalongkorn University, 1989; M.M.Ed., Eastman School of Music, 1993; D.M.A., University of Oklahoma 1998
Cheng, Joselina, Liberal Arts, B.A., University of Oklahoma, 1965; J.D., University of Oklahoma, 1969; Ph.D., University of Oklahoma, 1999
Chew, Gary Rick, *Emeritus*, Mathematics and Science, B.S., Shandong University, 1982; M.S., University of Oregon, 1984; Ph.D., University of Oregon, 1988
***Choi, SeonMi**, Fine Arts and Design, B.S., Yonsei University, 1999; Human Environment and Design, M.D., Yonsei University, 2002; Interior Design, Ph.D., University of Minnesota, 2011
Chooback, Lilian, Mathematics and Science, B.S., Fairleigh Dickinson University, 1979; M.S., Fairleigh Dickinson University, 1982; Ph.D., University of Akron, 1992
Choudry, Mansur, Education and Professional Studies, B.S., University of Engineering, Lahore-Pakistan, 1973; M.B.A. and M.Ed., University of Central Oklahoma, 1983-1997; Oklahoma State University, 2020
***Christie, Art L.**, *Emeritus*, Liberal Arts, B.A., University of Missouri, 1964; M.A., University of North Dakota, 1976
Churchill, Lindsey, Liberal Arts, B.A., University of South Florida, 2003; Women's Studies, M.A., University of South Florida, 2005; History, Ph.D., Florida State University, 2010
Cleary, Shawna F., Liberal Arts, B.A., Central State University, 1985; M.A., University of Central Oklahoma, 1992; M.A., University of Central Oklahoma, 1993; Ph.D., University of Oklahoma, 2002
***Cleveland, Harold**, Mathematics and Science, B.S., Northwestern University, 1962; M.S., University of Illinois, 1965; Ph.D., University of Oklahoma, 1974
Clinton, M. Suzanne, Business, B.S., Louisiana Tech

Graduate Faculty

University, 1990; M.B.A., Louisiana Tech University, 1991; D.B.A., Mississippi State University, 1996

Cobb, Donna S., Education and Professional Studies, B.S., East Central Oklahoma State University, 1976; M.Ed, East Central Oklahoma State University, 1977; Ed.D, Oklahoma State University, 1991

Collins, Julie, Education and Professional Studies, B.S., University of Oklahoma, 1986; M.Ed., University of Oklahoma, 1992; Ph.D., University of Oklahoma, 2007

Cone, Charles (Trey), Education and Professional Studies, B.A., Ouachita Baptist University, 1997; M.S., Texas A&M University—Commerce, 1998; Ed.D., Texas A&M—Commerce, 2001

Cook, Tyler, Mathematics and Science, B.S., University of Missouri, 2009; Ph.D., University of Missouri, 2015

Cooper, Charles, Emeritus, Mathematics and Science, B.S., University of Oklahoma, 1976; M.S., University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1990

Copley, Leeda, Liberal Arts, B.A., The Ohio State University, 2003; M.A., The Ohio State University, 2005; Ph.D., Swansea University, 2017

Cowan, Jennifer Sunshine, Education and Professional Studies, B.S., University of Central Oklahoma, 2000; M.P.H., University of Oklahoma Health Sciences, 2002; Ph.D., Oklahoma State University, 2009

Cowan, Jerel, Education and Professional Studies, B.S., University of Central Oklahoma, 2000; M.S., Oklahoma State University, 2004; Ph.D., Oklahoma State University, 2009

Cox, Megan, Liberal Arts, B.A., University of Colorado, 2002; M.A., University of Oklahoma, 2007; Ph.D., University of Oklahoma, 2022

Crawford, Alissa, Education and Professional Studies, B.S.Ed., Oklahoma Christian University, 1993; M.Ed., Oklahoma City University, 1999; Ph.D., University of Oklahoma, 2018

Creecy, James P., Forensic Science Institute, B.S., New Mexico Tech, 2003; M.S., New Mexico Tech, 2005; Ph.D, University of Oklahoma, 2016

Cumbie, Julie, Business, B.B.A., University of Central Oklahoma, 1982; M.B.A., University of Central Oklahoma, 1983; Ph.D., Kansas State University, 2012

Cunliff, Ed, Education and Professional Studies, B.A., DePauw University, 1969; M.A., University of Oklahoma, 1974; Ph.D., University of Oklahoma, 1983

Curl, Kenneth L., Emeritus, Mathematics and Science, B.S., University of Central Oklahoma, 1969; M.S., Oklahoma State University, 1978; Ph.D., Oklahoma State University, 1984

D

Dadlez, Eva, Emeritus, Liberal Arts, B.A., Syracuse University, 1978; M.L.S., Syracuse University, 1982; M.A., Syracuse University, 1986; Ph.D., Syracuse University, 1991

Dalinger, Tara, Education and Professional Studies, B.S.Ed., University of Central Oklahoma, 2022; B.A., University of Central Oklahoma, 2002; M.Ed., University of Central Oklahoma, 2005; Ph.D., Oklahoma State University, 2018

Davis, Jill, Education and Professional Studies, B.S., Northeastern State University, 1999; M.Ed., Northeastern State University, 2009; Ph.D., University of Oklahoma at Tulsa, 2015

Deen, Cari, Mathematics and Science, B.A., Scripps College, 1994; M.S., University of Oklahoma, 1999; Ph.D., University of Oklahoma, 2003

DeMaio, Barbara, Fine Arts and Design, B.M., Oklahoma City University, 1976; Opera Performance, M.M., Oklahoma City University, 1998; Vocal Pedagogy, D.M.A., Shenandoah, 2013

Dement, Carl, Liberal Arts, B.S., University of Central Missouri, 1994; M.S., University of Central Texas, 1997; Ph.D., Oklahoma State University, 2022

Dickson, Warren, Emeritus, Business, B.F.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1994

Doan, Robert, Education and Professional Studies, B.S., Oklahoma State University, 1965; M.S., Washington State University, 1966; M.Ed., University of Central Oklahoma, 1982; Ph.D., University of Oklahoma, 1986

Downey, K. Breana, Education and Professional Studies, B.S., B.A., University of Pittsburgh, 2015; Ph.D., Georgetown University, 2020

Duck, Kim, Education and Professional Studies, B.S., University of Central Oklahoma, 1988; M.S., University of Central Oklahoma, 1990; Ph.D., Oklahoma State University, 2005

Duke, Bryan L., Education and Professional Studies, B.A.Ed., University of Central Oklahoma, 1991; M.Ed., University of Central Oklahoma, 1995; Ph.D., University of Oklahoma, 2003

Dumin, Laura, Liberal Arts, B.A., Virginia Tech, 1999; M.A., Radford University, 2001; Ph.D., Oklahoma State University, 2010

Dunnington, Jamie, Education and Professional Studies, B.Ed., Southern Nazarene University, 1999; M.S., University of Oklahoma, 2005; Ph.D., University of Oklahoma, 2016

Duverney-Chappell, Brenda A., Liberal Arts, B.A., University of Central Oklahoma, 2000; M.A., University of Central Oklahoma, 2002, Ph.D., University of Oklahoma, 2009

***Dwyer, Timothy**, Forensic Science Institute, B.S., University of Central Oklahoma, 2002; M.S., University of Oklahoma, 2020

Dyer, Kari, Education and Professional Studies, B.S.Ed., University of Central Oklahoma, 2004; M.S., University of Central Oklahoma, 2008; Ed.D., Oklahoma State University, 2016

E

Eakins, Keith, Liberal Arts, B.A., Ohio State University, 1985; J.D., Ohio State University, 1989; Ph.D., Ohio State University, 1999

Eckard, Kevin, Fine Arts and Design, B.A., College of Charleston, 1993; M.M., Indiana University, 1997; D.M.A., University of South Carolina, 2002

Graduate Faculty

***Edwards, Melody**, Business, B.S., Northwestern Oklahoma State University, 2004; M.B.A., Southern Nazarene University, 2010

Eitrheim, Eric, Mathematics and Science, B.A., Luther College, 2012; Ph.D., University of Iowa, 2017

El Hachi, Maha, Mathematics and Science, B.S., American University of Beirut, 1990; M.S., University of Phoenix, 2009; Ph.D., University of Phoenix, 2018

***Eliot, Jason**, Business, B.A., Westminster College, 1994; J.D., Washington & Lee University, 1997

***Elliott, Rachael**, Forensic Science Institute, B.S., University of Central Oklahoma, 2003; M.S., University of Central Oklahoma, 2011

Ellis, Barry, *Emeritus*, Business, B.B.A., Baylor University, 1974; M.B.A., Texas A&M University–Commerce, 1980; Ph.D., University of North Texas, 2000

Ellis, Shawna, Mathematics and Science, B.S., University of Oklahoma, 2005; M.S., University of Oklahoma, 2012; Ph.D., University of Oklahoma, 2013

Endres, Daniel J., *Emeritus*, Mathematics and Science, B.S., University of New Mexico, 1983; M.S., University of New Mexico, 1986; Ph.D., University of New Mexico, 1992

Epstein, Robert H., *Emeritus*, Business, B.S., Cornell University, 1973, M.A., University of Denver, 1974; M.A., University of Southern California, 1976; Ph.D., University of Southern California, 1978

Eshelman, Darla, *Emeritus*, Fine Arts and Design, B.M.E., Grand Canyon University, 1981; M.M.E., Arizona State University, 1986; Ph.D., University of Oklahoma, 1995

Evans, Cheryl Lynn, Education and Professional Studies, B.S.Ed., Oklahoma State University, 1988; M.S., Oklahoma State University, 1998; Ed.D., Oklahoma State University, 2004

F

Fent-Kelly, Darla, Education and Professional Studies, B.S., Oklahoma City University, 1982; M.S., Baylor University, 1983; Ed.D., Oklahoma State University, 1997

Fenwick, Allyson, Mathematics and Science, B.A., Michigan State University, 2003; B.S., Michigan State University, 2003; M.S., University of Texas – Tyler, 2006; Ph.D., University of Central Florida, 2012

Ferguson, John M., Mathematics and Science, B.S., University of Kansas, 1987; Ph.D., Iowa State University, 1993

Findley, Dean, Education and Professional Studies, B.S., Oklahoma Christian College, 1982; M.S., Oklahoma State University, 2008; Ph.D., Oklahoma State University, 2015

Fink, Kevin, Education and Professional Studies, B.S., Truman State University, 2005; B.A., Truman State University, 2005; M.S., Oklahoma State University, 2007; Ph.D., Oklahoma State University, 2011

Forbat, David, Fine Arts and Design, B.M., University of Southern California, 1983; M.M., University of Cincinnati, CCM, 1985; D.M.A., Peabody Institute of John Hopkins University, 1996

Ford, Darrell, Business, B.S., Oklahoma State University, 1982; J.D., M.B.A., University of Texas, 1986

Frech, Cheryl Baldwin, *Emeritus*, Mathematics and Science, B.S., Oklahoma State University, 1981; M.S., University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1987

Fritch, John, Mathematics and Science, B.A., University of Kansas – Lawrence, 1993; B.S., University of Central Oklahoma, 1996; Ph.D., Oklahoma State University, 2011

Fu, Jicheng, Mathematics and Science, B.S., Harbin Institute of Technology, 1996; M.S., Harbin Institute of Technology, 1998; M.S., University of Texas, 2007; Ph.D., University of Texas, May 2009

Fulkerson, Michael, Mathematics and Science, B.S.Ed., Central Michigan University, 2001; M.A., Central Michigan University, 2003; Ph.D., Texas A&M University, 2008

Furmanski, Louis S., *Emeritus*, Liberal Arts, B.A., Union College–New York, 1972; M.A., Purdue University, 1980; Ph.D., Purdue University, 1990

G

Gamagedara, Sanjeewa, Mathematics and Science, B.S., University of Peradeniya – Sri Lanka, 2006; Ph.D., Missouri University of Science & Technology – Rolla, 2012

***Garcia, Lea Ann**, Education and Professional Studies, B.A.Ed., University of Central Oklahoma, 1988; M.Ed., University of Central Oklahoma, 2003

Garrison, Stephen, *Emeritus*, Liberal Arts, B.A., Baylor University, 1974; M.A., Baylor University, 1977; Ph.D., University of South Carolina, 1981

Gatch, Loren, *Emeritus*, Liberal Arts, B.A., University of Chicago, 1981; M.A., Columbia University, 1986; Ph.D., Cornell University, 1998

Gayzur, Nora, Education and Professional Studies, B.A., University of Maryland-College Park, 2005; Psychology, M.A., North Dakota State University, 2008; Psychology, Ph.D., North Dakota State University, 2013

Geib, Michael, Fine Arts and Design, B.A., Clemson University, 2007; M.M., Florida State University, 2010

Goodchild, Christopher, Mathematics and Science, B.S., University of Oklahoma, 2011; M.S., University of New England, 2014; Ph.D., Oklahoma State University, 2019

***Gorrell, Brian**, Fine Arts and Design, B.M.Ed., University of Central Oklahoma, 1995; M.M., Oklahoma City University, 1998

Goudge, Darrell, *Emeritus*, Business, B.S., Iowa State University, 1976; M.B.A., National University, 1981; M.S., University of Colorado, 1989; Ph.D., New Mexico State University, 1994

Goulding, Marc C., Liberal Arts, B.A., New York University, 1999; Ph.D., New York University, 2012

Govich, Marilyn, Fine Arts and Design, B.M., University of Oklahoma, 1971; B.M.Ed., University of Oklahoma, 1971; M.M., University of Oklahoma, 1973; D.M.A., University of Oklahoma, 2002

Graham, Melissa, Business, B.S., Middle Tennessee State University, 1996; M.A., Austin Peay State University, 2000;

Graduate Faculty

Ph.D., University of Tennessee, 2014

***Gravel, Craig**, Forensic Science Institute, B.S., Oklahoma City University, 1988; M.S., Oklahoma City University, 1992

Gray, Gordon T., Business, B.S., East Central Oklahoma, 1983; M.B.A., Oklahoma State University, 1985; Ph.D., University of Oklahoma, 1994

Green, Jerry, Liberal Arts, B.A., Ohio State University, 2008; M.A., Texas Tech University, 2010; M.A., University of Texas at Austin, 2014; Ph.D., University of Texas at Austin, 2016

Green, Pamela, *Emeritus*, Fine Arts and Design, B.M., Oklahoma City University, 1970; M.M., Oklahoma City University, 1973

Grellner, Janelle, Education and Professional Studies, B.S., University of Central Oklahoma, 1981; M.A., University of Central Oklahoma, 1991; Ph.D., University of Oklahoma, 2001

Grzybowski, Joseph A., *Emeritus*, Mathematics and Science, B.S., St. Bonaventure University, 1970; M.S., St. Bonaventure University, 1974; Ph.D., University of Oklahoma, 1980

H

***Haff, Maurice**, Business, B.S., Oklahoma State University, 1970; M.S., George Washington University, 1976; M.B.A., George Washington University, 1980

Hamlin, Mark E., Education and Professional Studies, B.S., Oklahoma Christian University, 1991; M.A., University of Central Oklahoma, 1994; Ph.D., Oklahoma State University, 2001

Hammond, Fred, Education and Professional Studies, B.A., Langston University, 1988; M.Ed., University of Oklahoma, 2002; Ph.D., University of Oklahoma, 2006

Hancock, Thomas W., *Emeritus*, Education and Professional Studies, B.S., Saginaw Valley State University, 1994; M.A., Central Michigan University, 1997; Ph.D., University of Georgia, 2002

***Hardman, David J.**, *Emeritus*, Fine Arts and Design, B.M., Ball State University, 1981; M.M., University of Cincinnati, 1983

Hardt, Jan C., Liberal Arts, B.A., Union College-New York, 1986; M.A., University of California-Davis, 1988; Ph.D., University of Maryland-College Park, 1993

Harris, Linda, Education and Professional Studies, B.A., Pennsylvania State University, 1981; M.A.T., Sacred Heart University, 1998; Ed.D., Northeastern University, 2014

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

***Harvey, Tierney**, Mathematics and Science, B.S., University of Virginia, 2009; Ph.D., Duke University, 2015

Haulman, April L., Education and Professional Studies, BA, Colorado State University, 1972; M.Ed, University of Oklahoma, 1978; Ph.D., University of Oklahoma, 1987

Haxton, Paul Richard, *Emeritus*, Education and Professional

Studies, B.S., Oklahoma State University, 1969; B.S., University of Science and Arts of Oklahoma, 1978; M.S., Oklahoma State University, 1999; Ed.D., Oklahoma State University, 2009

Haynie, Michelle, Mathematics and Science, B.S., Oklahoma State University, 1998; M.S., Oklahoma State University, 2000; Ph.D., Texas Tech University, 2006

***Hefley, Earl**, Fine Arts and Design, B.S., Oklahoma City University, 1964; M.Ed., University of Central Oklahoma, 1973

Hellack, Jenna J., *Emeritus*, Mathematics and Science, B.S., East Central Oklahoma State University, 1968; M.S., Oklahoma State University, 1969; Ph.D., University of Oklahoma, 1975

Henderson, Melinda, *Emeritus*, Mathematics and Science, B.S.N., University of Central Oklahoma, 1975; M.Ed., University of Arkansas, 1981; Ed.D., University of Arkansas, 1989

Hepner, Michelle, Business, B.S., Oklahoma State University, 1985; M.S., The University of Texas at Arlington, 1991; Ph.D., The University of Tulsa, 2007

Hernandez, Jose, B.S., Oklahoma State University, 2011; M.S., Oklahoma State University, 2013; Ed.S., Oklahoma State University, 2016; M.Ed., University of Central Oklahoma, 2019; Ph.D., Oklahoma State University, 2022

Herrington, Danielle, Fine Arts and Design, B.M., Wichita State University, 2012; M.M., Wichita State University, 2014; M.M., Wichita State University, 2015; D.M.A., University of Oklahoma, 2021

Hickman, William H., *Emeritus*, Liberal Arts, B.A., Oklahoma Baptist University, 1971; M.A., Texas Christian University, 1976; J.D., Oklahoma City University, 1985

Higa, Keith, Education and Professional Studies, B.S., University of Central Oklahoma, 1996; M.Ed., University of Central Oklahoma, 1999; Ph.D., Oklahoma State University, 2010

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

Hitz, John, Liberal Arts, B.A., Indiana University, 1988; M.A., Georgia State University, 1998; Ph.D., Purdue University, 2012

Hollrah, Matthew W., Liberal Arts, B.A., Oklahoma State University, 1995; M.F.A., Western Michigan University, 2000; Ph.D., University of Kansas, 2005

Holmes, Tawni, Education and Professional Studies, B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1993; Ph.D., Oklahoma State University, 2000

Holt, Paul, Business, B.A., University of Kansas, 1964; M.B.A., Oklahoma City University, 1972; Ph.D., Oklahoma State University, 1992

***Hommel, Kristin**, Education and Professional Studies, B.S., Utah State University, 2003; M.F.H.D., Utah State University, 2010

Homsey, Dini, Business, B.A., Boston College, 2004; M.A., University of Oklahoma; Ph.D, University of Oklahoma, 2013

Graduate Faculty

Hopkins, Britney, Mathematics and Science, B.S./B.A., University of Arkansas at Little Rock, 2004; M.S., University of Arkansas at Little Rock, 2006; Ph.D., Baylor University, 2009

Hora, Bambi, Business, B.S., Oklahoma State University, 1981; M.A.S., Northern Illinois University, 1983; J.D., University of Oklahoma, 1998

Horton, Amanda, Fine Arts and Design, B.F.A., Oklahoma State University, 2003; M.F.A., University of Central Oklahoma, 2007

Hossan, Mohammad R., Mathematics and Science, B.S., University of Engineering and Technology, Dhaka, Bangladesh, 2002; M.S. South Dakota State University, May 2008; M.S., South Dakota State University, Dec. 2008; Ph.D., Washington State University, 2013

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

Hughes, Charles A., *Emeritus*, Mathematics and Science, B.S., Michigan Technological University, 1981; M.S., University of Georgia, 1985; Ph.D., University of Georgia, 1988

***Hull, Tiffany**, Education and Professional Studies, B.S., University of Oklahoma Health Sciences Center, 1992; M.S., University of Oklahoma Health Sciences Center, 1997

***Hurst, Sylvia**, Education and Professional Studies, B.S., Oklahoma Christian College, 1973; M.Ed., Central State University, 1983; Ph.D., University of Oklahoma, 2007

I

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Jackson, Victoria, Mathematics and Science, B.S., Texas A&M University, 1992, M.S., Fort Hays State University, 1996, Ph.D, University of North Texas, 2002

***Jacobson, Garrett**, Fine Arts and Design, B.S., University of Central Oklahoma, 2011; M.M., University of Central Oklahoma, 2020

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James, Wendy, Mathematics and Science, B.B.S., Hardin Simmons University, 1999; M.S., Oklahoma State University, 2006; Ph.D., Oklahoma State University, 2013

***Jean, Vickie M.**, Education and Professional Studies, B.S.Ed., University of North Dakota, 1975; M.A., University of Central Oklahoma, 1991; Ph.D., University of Oklahoma Health Sciences Center, 2011

Jenkins, Michael, Liberal Arts, B.S., Mid-America Christian University, 2003; M.A., University of Central Oklahoma, 2005; Ph.D., Oklahoma State University, 2016

Jeyaraj-Powell, Tephillah, Education and Professional Studies, B.A., Maduria Kamaraj University, 2001; Psychology, M.A., University of Mysore, 2003; Psychology, University of

Georgia, Ph.D., 2011

Jezercak, Michael W., Mathematics and Science, B.S., University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 1989

Jiang, Yuhao, Mathematics and Science, B.S., Nanjing University of Aeronautics & Astrophysics, 1993; M.S., Shanghai Jiaotong University, 2000; Ph.D., Case Western Reserve University, 2006

Johnson, Arnell, *Emeritus*, Business, B.S., Arkansas Agricultural, Mechanical & Normal College, 1967; M.B.A., Washington University, 1969; Ph.D., University of Oklahoma, 1988

Johnson, Michelle, Education and Professional Studies, B.S., Texas A&M University, 2007; M.S., Texas A&M University, 2010; Ph.D, Texas A&M University, 2017

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

Johnson, William A., *Emeritus*, Liberal Arts, B.A., Northeastern Oklahoma State University, 1967; M.S., Pittsburg State University, 1968; Ph.D., Oklahoma State University, 1971

Jones, Fred Matthew, Liberal Arts, B.A., University of Arkansas-Fayetteville; M.S., Drury University, 2008; Ph.D., University of North Dakota, 2016

***Jones, Keisha**, Forensic Science Institute, B.S., Oklahoma State University, 2003; M.S., University of Central Oklahoma, 2011

Jones, Stephanie, Mathematics and Science, B.S., Wayland Baptist University, 2009; Ph.D., Texas A&M University, 2014.

Jones, Travis, Liberal Arts, B.A., University of South Carolina, 2009; M.A., University of South Carolina, 2011; Ph.D., University of South Carolina, 2020

Jourdan, Thomas H., Forensic Science Institute/ Mathematics and Science, B.A., University of California, Riverside, 1974; B.S., University of California, Riverside, 1974; M.S., University of California, Riverside, 1975; M.B.A., University of California, Los Angeles, 1979; M.S., University of California, Irvine, 1984; Ph.D., University of California, Irvine, 1986

Jung, Minje, *Emeritus*, Business, B.S., Seoul National University, Korea, 1975; M.B.A., Seoul National University, Korea, 1983; Ph.D., Florida State University, 1989

K

Kadioglu, Sezin, Mathematics and Science, B.S., Middle East Technical University, 1999; M.A., Middle East Technical University, 2002; Ph.D., Middle East Technical University, 2006

Kalaw, Karel Joyce D., Liberal Arts, B.A., University of the Phillipines Los Banos, 1998; M.A., University of North Carolina-Charlotte, 2009; Ph.D, Miami University, Ohio, 2015

Kamal, Syed, Business, B.Com., University of Dhaka, 1997; M.A., State University of New York at Buffalo, 2009; Ph.D., University of Tennessee, 2016

Kambour, Tina, Fine Arts and Design, B.A., Florida

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International University, 1978; C.M.A., Laban/Bartenieff Institute of Movement Studies, NY, NY, 1988; M.A., Columbia University, 1989

Karber, Kristin, Mathematics and Science, B.S., Missouri Southern State University, 1999; Ph.D., University of Arkansas, 2005

Kearns, Donna, *Emeritus*, Education and Professional Studies, B.Ed, University of Hawaii, 1977; M.Ed, University of Hawaii, 1979; Ph.D., University of Missouri, 1992

Kelley, Janine, Mathematics and Science, B.S., University of Central Oklahoma, 2008; M.S. University of Oklahoma Health Sciences Center, 2011; Ph.D., Oklahoma City University, 2017

***Kellogg, Julie**, Education and Professional Studies, B.S., Oklahoma State University, 2001; M.S., Oklahoma State University, 2004

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

Kiang, Shun, Liberal Arts, B.A., University of Florida, 2003; M.A., Stetson University, 2007; Ph.D., Northeastern University, 2015

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

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Killian, J. Keith, Liberal Arts, B.A., University of Central Oklahoma, 1986; D.O., Oklahoma State University, 1991

King, Chad, Mathematics and Science, B.S., Wayne State College, 1994; M.A., University of South Dakota, 1996; Ph.D., University of Missouri–Columbia, 2013

Klages, James L., *Emeritus*, Fine Arts and Design, B.M., State University of New York–Fredonia, 1978; M.M., Indiana University, 1982; D.M., Indiana University, 2003

Kness, Darlene M., *Emeritus*, Education and Professional Studies, B.S., Carnegie-Mellon University, 1970; M.S., Pennsylvania State University, 1971; Ph.D., Pennsylvania State University, 1973

Knight, Angela, Mathematics and Science, B.A., University of Central Oklahoma, 1995; J.D., Oklahoma City University, 2000

***Knutson, Keri**, Education and Professional Studies, B.S.Ed., Wake Forest University, 2003; M.Ed., University of Central Oklahoma, 2010

Kotturi, Hari, Mathematics and Science, B.S., Avanthi College, Hyderabad, India, 1999; M.S., D.S.M. College, Maharashtra, India, 2001; Ph.D., Clemson University, 2009

***Krauss, Layla**, Education and Professional Studies, B.S., University of Central Oklahoma, 2014; M.S., University of Central Oklahoma, 2015

Kuzminski, Pam, *Emeritus*, Education and Professional Studies, B.S., University of Oklahoma, 1973; M.Ed, North Texas State University, 1980; Ph.D., North Texas State

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Lacher, Katrina, Liberal Arts, B.A., The University of the South - Sewanee, 1998; M.A., Boston College, 2003; Ph.D., University of Oklahoma, 2011

Lack, Caleb W., Education and Professional Studies, B.A., Oklahoma State University, 2001; M.S., Oklahoma State University, 2003; Ph.D., Oklahoma State University, 2006

Lacy, Robin H., Jr., Education and Professional Studies, B.S., Oklahoma State University, 1985; M.S., Oklahoma State University, 1998; Ph.D., Oklahoma State University, 2011

Lamb, Brian, Fine Arts and Design, B.M.Ed., Baylor University, 1986; M.M., University of Notre Dame, 1988; D.M.A., University of North Texas, 2001

Lambert, Abbie, Business, B.B.A, University of Central Oklahoma, 2006; M.B.A., Oklahoma Christian University, 2009; Ph.D., University of Texas at Tyler, 2016

Lambeth, Jill, Liberal Arts, B.A., Oklahoma City University, 1998; Management, M.S., Southern Nazarene University, 2007; Curriculum Studies, Ph.D., Oklahoma State University, 2011

Lane-Harvard, Elizabeth, Mathematics and Science, B.S., South Dakota State University, 2007; M.S., South Dakota State University, 2009; Ph.D., Colorado State University, 2014

Larson, Tiffany, Liberal Arts, B.A., University of Texas - Dallas, 2002; M.E., University of Dallas, 2006; M.Ed., University of North Texas, 2007; M.Ed., Lamar University, 2013; Ph.D., University of North Texas, 2021

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Laubach, Leann, Mathematics and Science, B.S., University of Central Oklahoma, 1987; M.S., Southern Nazarene University, 2005; Ph.D., Oklahoma City University, 2015

Laverty, Sean, Mathematics and Science, B.S., Millersville University, 2005; M.S., University of Utah, 2007; Ph.D., University of Utah, 2011

Law, Eric, Forensic Science Institute, B.S., West Virginia University, 2014; M.S., West Virginia University, 2016; Ph.D., West Virginia University, 2020

Law, Stephen C., *Emeritus*, Liberal Arts, B.A., Florida State University, 1978; M.A., Florida State University, 1980; Ph.D., Florida State University, 1986

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***Lee, Zachary**, Fine Arts and Design, B.M., University of Central Oklahoma, 2011; M.M., University of Central Oklahoma, 2013

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Lindblade, Dawn, Fine Arts and Design, B.M., Eastern Michigan University, 2002; M.M., University of North Texas, 2004; Ph.D., Michigan State University, 2011

Lopez, Regina, Education and Professional Studies, B.A., University of Central Oklahoma, 1986; M.Ed., University of Central Oklahoma, 1996; Ph.D., University of Oklahoma, 2016

Lord, Wayne, Forensic Science Institute/Mathematics and Science, B.S., Eastern University, Pennsylvania, 1976; M.S., University of Delaware, 1978; Ph.D., University of New Hampshire, 1982

Loughlin, Patricia E., Liberal Arts, B.A., Pepperdine University, 1993; M.A., Pepperdine University, 1996; Ph.D., Oklahoma State University, 2000

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Lucas, Larry A., *Emeritus*, Mathematics and Science, B.S., Southwest Missouri State University, 1975; M.A., Southwest Missouri State University, 1979; Ph.D., University of Missouri, 1987

Ludlum, Marty, Business, B.A., University of Oklahoma, 1986; M.A., University of Oklahoma, 1994; J.D., University of Oklahoma, 1989

Luxenburg, Joan, *Emeritus*, Liberal Arts, B.A., Queens College, 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

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Maass, Jaclyn, Education and Professional Studies, B.A., University of Tampa, 2010; M.S., University of Memphis, 2014; Ph.D., University of Memphis, 2017

Mabry, John P., Forensic Science Institute, B.S., University of Tennessee, 1981; J.D., University of Alabama, 1984

Magnusson, Andrew, Liberal Arts, B.A., Brigham Young University, 2007; M.A., University of California - Santa Barbara, 2009; Ph.D., University of California - Santa Barbara, 2014

Magrill, Samuel M., Fine Arts and Design, B.M., Oberlin College, 1975; M.M., University of Illinois, 1976; D.M.A., University of Illinois, 1983

Maier, Elizabeth, Liberal Arts, B.A., George Washington University, 1999; M.P.A., Texas A&M University, 2002; Ph.D., University of Nebraska-Omaha, 2006

Mania, Jackie, Education and Professional Studies, B.A., St. Gregory's University, 2002; M.S., University of Oklahoma, 2006; Ed.D., Oklahoma State University, 2014

Manral, Lalit, Business, B.Tech., REC Calicut, India, 1993; M.I.B., IIFT New Delhi, India, 1996; Ph.D., Columbia University, 2006

***Martindale, Elaine**, Education and Professional Studies, B.S., University of Central Oklahoma, 1999; M.S., University of Central Oklahoma, 2001

Maxwell, David W., Fine Arts and Design, B.A., Knox College, 1994; M.F.A., University of Dallas, 1999

McClendon, Michael S., Mathematics and Science, B.S., State University of New York-Brockport, 1993; M.S., Syracuse University, 1995; Ph.D., University of Louisiana, 2000

McCoy, Mark R., Forensic Science Institute/Liberal Arts, B.S., Western Michigan University, 1980; M.S., National University, 1984; Ed.D., Oklahoma State University, 2000

McCune, LaDonna, Liberal Arts, B.A., Central State University, 1990; Criminal Justice, M.A., University of Central Oklahoma, 1992; Education, Ed.D., Oklahoma State University, 2005

McDaniel, John W., *Emeritus*, Mathematics and Science, B.S., East Central Oklahoma State University, 1972; M.S., Oklahoma State University, 1975; Ph.D., Kansas State University, 1985

McDown, DiAnn, Education and Professional Studies, B.S., Southwestern Oklahoma State University, 1991; M.Ed., Southwestern Oklahoma State University, 1997; Ed.D., Sam Houston State University, 2011

McKaig, Michael D., *Emeritus*, Education and Professional Studies, B.A. North Texas State University, 1973; M.A., University of Oklahoma, 1974; M.S., University of Oklahoma, 1978; Ph.D., University of Oklahoma, 1988

***McKee, Victoria**, Business, B.S., Texas Christian University, 2006; M.S., Missouri State University, 2008; Ph.D., University of North Texas, 2013

***Messick, Jennifer**, Mathematics and Science, B.A., University of Oklahoma, 2010; M.A., University of Oklahoma, 2012; Ph.D., University of Oklahoma, 2017

Michalikova, Nina, Liberal Arts, M.A., Comenius University, 2003; M.A., Texas Woman's University, 2009; Ph.D., Texas Woman's University, 2013

Miller, Ronald C., *Emeritus*, Mathematics and Science, B.S., Trinity University, 1970; M.S., University of Missouri–Rolla, 1972; Ph.D., University of Missouri–Rolla, 1976

Miller, Rozilyn, *Emeritus*, Liberal Arts, B.A., University of Central Oklahoma, 1980; M.A., Oklahoma State University, 1990; Ph.D., University of Oklahoma, 2007

Miller, Susan, *Emeritus*, Education and Professional Studies, B.S., Oklahoma State University, 1974; M.S., Oklahoma State University, 1993; Ed.D., Oklahoma State University, 2003

Milligan, Thomas, Mathematics and Science, B.S., Brigham Young University, 1997; M.S., Brigham Young University, 1999; Ph.D., College of William and Mary, 2004

Mizell, Donald, Liberal Arts, B.A., University of Oklahoma,

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1972; M.A., California State University (Fullerton), 1976; Ph.D., Madison University, 2001

Mock, James W., *Emeritus*, Liberal Arts, B.A., LeMoyne College, 1968; M.A., Syracuse University, 1977; M.L.S., Syracuse University, 1979; M.Phil., Syracuse University, 1984; Ph.D., Syracuse University, 1988

Mohamad, Husam A., Liberal Arts, B.A., BirZeit University, 1985; M.A., University of Cincinnati, 1989; Ph.D., University of Cincinnati, 1994

Montes, Luis, Mathematics and Science, B.A., New Mexico State University, 1990; B.S., New Mexico State University, 1990; Ph.D., University of Texas at Austin, 1996

Montgomery, Shannon, B.A., Warren Wilson College, 2000; M.A.T., Western Carolina University, 2014; Ph.D., University of North Carolina–Charlotte, 2018

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Mooney, Angela, Education and Professional Studies, B.S.E., Hannibal-LaGrange University, 1992; M.A., Wheaton College, 2005; Ph.D., Penn State University, 2015

***Moran, Margaret**, Fine Arts and Design, B.A., University of Chicago, 1999; Horn Performance, M.A., Indiana University, 2001; Horn Performance and Literature, Ph.D., Indiana University, 2013

Morris, Ralph E., Fine Arts and Design, B.M., Texas Christian University, 1974; M.M., Arizona State University, 1987; D.M.A., Arizona State University, 1991

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Morris, Tracy, Mathematics and Science, B.S., Oklahoma State University, 1994; M.S., University of Central Oklahoma, 2001; Ph.D., Oklahoma State University, 2007

***Muriithi, Sammy G.**, Business, B.B.M., Egerton University, 2005; M.B.A., Troy University, 2010; D.B.A., Louisiana Tech University, 2016

Murray, Cynthia K., Mathematics and Science, B.S., University of Central Oklahoma, 1974; B.S., University of Central Oklahoma, 1977; M.P.H., University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1993

Musgrove, Margaret, Liberal Arts, B.A., University of Texas at Austin, 1984; M.A., University of North Carolina-Chapel Hill, 1987; Ph.D., University of North Carolina-Chapel Hill, 1991

Mwangola, Willis, Business, B.S., Pennsylvania State University, 2009; M.M.M., Pennsylvania State University, 2011; Ph.D., Georgia Southern University, 2015

Mylavarapu, Goutam, B.T., Jawaharlal Nehru Technological University, 2012; M.S., Oklahoma State University, 2015; Ph.D., Oklahoma State University, 2020

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Nelson, Frank W., *Emeritus*, Education and Professional Studies, B.S., Oklahoma State University, 1976; M.S., Oklahoma State University, 1973; Ed.D., Oklahoma State University, 1980

Nelson, Karl, Fine Arts and Design, B.S., University of Illinois at Urbana-Champaign, 1996; M.M., Louisiana State University, 2001; D.M.A., Louisiana State University, 2005

Nelson, R. Mike, Education and Professional Studies, B.S., Colorado State University, 1982; Ph.D., University of Oklahoma, 2003

New, Dallas G., Mathematics and Science, B.S., Baker University, 1988; M.A., Washington University, 1990; Ph.D., Washington University, 1994

Nica, Mihai, *Emeritus*, Business, B.S., IPTVT Timisoara, 1986; M.A., Jackson State University, 1995; Ph.D., Jackson State University, 2007

Nollert, Hans Rudolf, *Emeritus*, Liberal Arts, B.A., University of Virginia, 1980; Johann Wolfgang Goethe University; M.A., The Johns Hopkins University, 1985; Ph.D., The Johns Hopkins University, 1991

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Osburn, Holly, Business, B.S., Oklahoma Christian University, 1998; M.S., University of Oklahoma, 2001; Ph.D., University of Oklahoma, 2004

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P

Pac, Teresa, Fine Arts and Design, B.A., Fashion Institute of Technology, 1993; Art History, M.A., Hunter City University of New York, 1996; Art History, Ph.D., Binghamton University,

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- Palmer, Robert E.**, *Emeritus*, Fine Arts and Design, B.F.A., University of Oklahoma, 1973; M.F.A., East Tennessee State University, 1978; Ed.D., Oklahoma State University, 1996
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- Pardo, Diana**, Liberal Arts, B.A., Cal State Howard, 1987; M.A., San Francisco State University, 1992; Ph.D., University of Oklahoma, 2003
- Park, Myung-Ah (Grace)**, Mathematics and Science, B.S., Mathematics, Chungnam National University, 1990; M.S., Chungnam National University, 1992; MS, Computer Science, University of Texas, 2007; Ph.D., University of Texas, 2007
- Parks, Matthew**, Mathematics and Science, B.S., Washington University in St Louis, 1994; M.S., University of Idaho, 2001; Ph.D., Oregon State University, 2011
- *Payne, Savanna**, Education and Professional Studies, B.S., University of Central Oklahoma, 2010; M.Ed., University of Central Oklahoma, 2015
- Paynter, Bradley**, Mathematics and Science, B.S., Trevecca Nazarene University, 2003; M.S., Clemson University, 2008; Ph.D., Clemson University, 2012
- Pearce, Dawn**, Education and Professional Studies, B.S.Ed., University of Central Oklahoma, 1992; M.Ed., University of Central Oklahoma, 2004; Ph.D., Oklahoma State University, 2019
- Pennington, Kim**, Education and Professional Studies, B.A., University of Oklahoma, 1992; M.Ed., University of Oklahoma, 2003; Ph.D., University of Oklahoma, 2014
- Perry, Chad**, Liberal Arts, B.S., Kansas State University, 1977; M.F.A., Wichita State University, 1982; Ph.D., University of New Mexico, 2015
- Peters, Richard**, *Emeritus*, Liberal Arts, B.A., University of Wichita, 1955; M.A., University of Oklahoma, 1961; Ph.D., University of Oklahoma, 1971
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- Pollack, Sallie**, Fine Arts and Design, Artist Diploma, Texas Christian University, 1993; B.M., Texas Christian University, 1995; M.M., University of Illinois, 1998; D.M.A., Manhattan School of Music, 2009
- *Poos, Hui**, Fine Arts and Design, B.S., University of Central Oklahoma, 2007; M.Ed., University of Central Oklahoma, 2010
- *Porterfield, Caitlin**, Forensic Science Institute, B.S., University of Oklahoma, 2006; M.S., University of Central Oklahoma, 2014; Ed.D., University of Oklahoma, In Progress
- Powers, Melissa**, Education and Professional Studies, B.S.Ed., University of Arkansas, 1998; M.S., University of Arkansas, 2001; Ph.D., University of Arkansas, 2007
- Pratt, Benjamin**, Business, B.A., Brigham Young University, 2006; M.S.W., University of Houston, 2008; M.S., Purdue University, 2015; Ph.D., Purdue University, 2021
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- *Purdum, Megan**, Education and Professional Studies, B.S., Oklahoma State University, 2008; M.S., Oklahoma State University, 2009; Ph.D., Oklahoma State University, 2014
- Putnam, Amanda**, Liberal Arts, B.A., Marquette University, 1992; M.A., Marquette University, 1995; Ph.D., University of Nebraska, 1999

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- Quoss-Moore, Rebecca**, Liberal Arts, B.A., University of Arkansas, 2009; M.A., University of Arkansas, 2011; Ph.D., University of Arkansas, 2016

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- Redus, Brady**, Education and Professional Studies, B.S., University of Central Oklahoma, 1998; M.S., University of Oklahoma, 2001; Ph.D., Oklahoma State University, 2004
- Reed, Douglas P.**, *Emeritus*, Liberal Arts, B.A., East Carolina University, 1980; M.A., East Carolina University, 1986; Ph.D., Oklahoma State University, 1992
- Rehfeld, David**, Education and Professional Studies, B.A., Baylor University, 2013; M.S., Baylor University, 2014; M.Ed., Texas Tech University, 2017; Ph.D., Baylor University, 2021
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- Rider, Linda**, *Emeritus*, Mathematics and Science, B.S.N., University of Mary Hardin-Baylor, 1983; M.S., University of Oklahoma, 1998; Ed.D., Oklahoma State University, 2009
- Risley, Loretta**, Education and Professional Studies, B.S., Goldfarb School of Nursing at Barnes-Jewish College-Washington University Medical Center, 2008; M.S.N., Goldfarb School of Nursing at Barnes-Jewish College-Washington University Medical Center, 2010; Ed.D., Lindenwood University, 2012
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- Rundle, Dana**, Mathematics and Science, B.S., University of Central Oklahoma, 1992; Ph.D., Oklahoma University Health Sciences Center, 2000
- Rupp, Gabriel V.**, *Emeritus*, Education and Professional Studies, 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
- S**
- *Salivon, Kassia**, Education and Professional Studies, B.S., Kyrgyz-Turkish Manas University, 2011; M.Ed., University of Central Oklahoma, 2017
- Samaraweera, Manoshi**, Business, B.Sc., University of Peradeniya, 2004; Ph.D., University of Houston, 2011.
- Sanders, Paula**, Business Administration, B.S., University of California of Berkeley, 1987; M.B.A., University of California of Berkeley, 1994; Ph.D., University of Illinois at Urbana-Champaign; 2011
- Sanderson, McKenna**, Fine Arts and Design, B.F.A., University of Central Oklahoma, 2015; M.F.A., Maryland Institute College of Art, 2019
- Saxena, Jyotisna**, Mathematics and Science, B.S., G.B. Pant University of Agriculture and Technology, 1998; M.S., G.B. Pant University of Agriculture and Technology, 2001; Ph.D., University of Oklahoma, 2008
- *Scalzo, Zachary**, Liberal Arts, B.A., Florida Atlantic University, 2012; M.A., Florida Atlantic University, 2014; M.A., Indiana University, 2018; M.F.A., University of Calgary, 2020
- Scott, Susan**, Education and Professional Studies, B.S., University of Central Oklahoma, 1977; M.Ed., University of Central Oklahoma, 1980; Ed.D., Oklahoma State University, 1998
- Seagraves, Nikki**, Mathematics and Science, B.S., Northwestern Oklahoma State University, 2005; Ph.D., The Ohio State University, 2012
- Sealey, Linda R.**, Education and Professional Studies, B.S., Oklahoma State University, 1983; M.Ed., University of Central Oklahoma, 1999; Ph.D., University of Oklahoma, 2008
- Sears, D. Kaye**, *Emeritus*, Education and Professional Studies, B.S., University of Oklahoma, 1961; M.Ed., University of Central Oklahoma, 1969; Ed.D., Oklahoma State University, 1978
- Sebert, Candy A.**, *Emeritus*, Education and Professional Studies, B.S., Oklahoma State University, 1972; M.Ed., Northeastern University, 1974; Ed.D., Oklahoma State University, 1983
- Seo, Chunghyeon**, Liberal Arts, B.S., Dongguk University, 2002; M.S., University of Cincinnati, 2011; Ph.D., Indiana University of Pennsylvania, 2020
- *Settles, Valerie Lynne**, Fine Arts and Design, B.S., University of Central Florida, 1986, M.S., University of Oklahoma, 1992, M.S., University of Central Oklahoma, 1995
- Sharp, Brett S.**, Liberal Arts, B.S., Oklahoma State University, 1988; M.P.A., University of Oklahoma, 1991, Ph.D., University of Oklahoma, 1998
- Sharp, Ryan**, Fine Arts and Design, B.M., University of Central Oklahoma, 2002; Music, M.M., Oklahoma City University, 2008; Musical Arts, Ph.D., University of Missouri-Kansas City, 2012
- Sheets, Mary Flanagan**, *Emeritus*, Business, B.S., Oklahoma City University, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1995
- Sheetz-Nguyen, Jessica A.**, *Emeritus*, Liberal Arts, B.A., Cabrini College, 1973; M.A., Millersville University of PA, 1990; Ph.D., Marquette University, 1999
- Shin, Young-Tae**, Liberal Arts, B.A., University of Washington, 1983; M.A., University of Washington, 1986; Ph.D., University of Washington, 1992
- Shreck, R. Paulette**, *Emeritus*, Education and Professional Studies, B.S.Ed., Oklahoma Christian University, 1975; M.Ed., University of Central Oklahoma, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1994
- Shukla, Rashi K.**, Liberal Arts, B.A., University of Central Oklahoma, 1994, M.A., Rutgers University, 1996, Ph.D., Rutgers University, 2003
- Silcox, Mark**, Liberal Arts, B.A., University of Toronto, 1992; M.A., University of Toronto, 1993; Ph.D., Ohio State University, 2002
- Similly, Leslie E.**, Liberal Arts, B.A., University of Central Oklahoma, 2006; M.A., University of Central Oklahoma,

Graduate Faculty

2008; Ph.D., University of Texas at Arlington, 2012

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

Simmons, Charlotte K., Mathematics and Science, B.A., East Texas State University, 1988; M.A., University of North Texas, 1990; Ph.D., University of Oklahoma, 1998

Singer-Farber, Gayle S., *Emeritus*, Fine Arts and Design, B.A.Ed., University of Central Oklahoma, 1981; M.Ed., Southwestern Oklahoma State University, 1982; B.F.A., Kansas City Art Institute, 1987; Alfred University at New York State College, 1989

Singleton, B. Scott, Education and Professional Studies, B.S., University of Nevada - Las Vegas, 2000; M.S., University of Nevada - Las Vegas, 2002; Ph.D., California Southern, 2006

***Smeltzer, Steven**, *Emeritus*, Fine Arts and Design, B.F.A., Florida State University, 1983

***Snider, Gayle**, *Emeritus*, Education and Professional Studies, B.A., University of Colorado, 1972; M.P.H., University of North Carolina—Chapel Hill, 1976; M.S., University of Oklahoma Health Sciences Center, 1996

***Soper, Katy**, Education and Professional Studies, B.S., University of Central Oklahoma, 2013; M.S., University of Central Oklahoma, 2014

Southerland, Stacy, *Emeritus*, Liberal Arts, B.A., Stephen F. Austin State University, 1987; M.A., Indiana University, 1990; Ph.D., Indiana University, Bloomington, 1994

Spelman, Mary D., *Emeritus*, Liberal Arts, B.A., University of Central Oklahoma, 1971; M.Ed., University of Central Oklahoma, 1976; Ph.D., Oklahoma State University, 1996

Spencer, Susan, *Emeritus*, Liberal Arts, B.A., California Polytechnic State University, San Luis Obispo, 1983; M.A., California Polytechnic State University, San Luis Obispo, 1986; Ph.D., University of California, Santa Barbara, 1992

Spigner, Terry E., Education and Professional Studies, B.A., University of Oklahoma, 1977; M.S., University of Oklahoma Health Sciences Center, 1980; M.S., University of Central Oklahoma, 1986; Ph.D., Howard University, 1992

Springer, John P., *Emeritus*, Liberal Arts, B.A., University of Oklahoma, 1979; M.A., University of Oklahoma, 1986; Ph.D., University of Iowa, 1994

Springer, Michael, Liberal Arts, B.A., University of Oregon, 1991; M.A., Portland State University, 2000; Ph.D., University of St. Andrews, 2005

Squires, Constance, Liberal Arts, B.A., University of Oklahoma, 1993; M.A., University of Central Oklahoma, 1999; Ph.D., Oklahoma State University, 2005

Stapleton, David P., Mathematics and Science, B.S., University of California at Santa Barbara, 1979; M.A., University of California at San Diego, 1981; Ph.D., University of Arizona, 1990

Stein, Wayne P., Liberal Arts, B.A., University of Central Oklahoma, 1988; B.A., University of Central Oklahoma, 1992; M.A., University of Central Oklahoma, 1991; Ph.D., Oklahoma State University, 1997

Steward, Gary A. Jr., Liberal Arts, B.A., University of Central

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

Stone, Paul A., Mathematics and Science, B.S., University of Florida, 1987; M.S., Auburn University, 1990; Ph.D., University of New Mexico, 1995

Streets, Barbara, *Emeritus*, Fine Arts and Design, B.M.Ed., University of Oklahoma, 1982; M.M., University of Oklahoma, 1986; Ph.D., University of Oklahoma, 2022

***Sunderland, Ed**, Education and Professional Studies, B.S., Penn State University, 1978; M.S., University of Arizona, 1979

Sung, Hong, Mathematics and Science, B.S., Seoul National University, 1984; M.S., University of Louisiana, 1990; Ph.D., University of Arizona, 1994

Swanson, Zane, *Emeritus*, Business, B.S., MIT, 1971; M.S., Carnegie Mellon, 1973; Ph.D., University of Oklahoma, 1991

Sweet-Darter, Mary, *Emeritus*, Education and Professional Studies, B.A.Ed., Oklahoma State University, 1964; M.Ed., Southwestern Oklahoma State, 1967; Ed.D., University of Oklahoma, 1993

T

Tayo, Benjamin, Mathematics and Science, B.Sc., University of Buea, 2004; M.Sc., University of Trieste, 2007; Ph.D., Lehigh University, 2012

***Thomas, Amy R.**, Education and Professional Studies, B.S., University of Central Oklahoma, 1994; M.Ed., University of Central Oklahoma, 1996

***Thompson, Sandra D.**, Fine Arts and Design, B.M., Oklahoma City University, 1975; M.M.Ed., University of Central Oklahoma, 1984; D.M.A., Oklahoma University, 2008

Tran, Thanh, Business, M.Sc., 1997; M.A., University of Warsaw, 1998; Ph.D., University of Central Florida, 2009

Traywick, Debra, Education and Professional Studies, B.S.E., Southern Nazarene University, 1982; M.Ed., University of Central Oklahoma, 1984; Ed.D., St. Louis University, 2003

Turner, Thomas R., Mathematics and Science, B.S., University of Washington, 1975; M.S., Iowa State University, 1981; Ph.D., Iowa State University, 1987

Tyner, Lee J., Business, B.B.A., University of Oklahoma, 1992; M.S., Southern Nazarene University, 1995; Ed.D., Oklahoma State University, 2006

V

Vanhoy, Mickie, Education and Professional Studies, B.A., University of Central Oklahoma, 1988; M.A., University of Central Oklahoma, 1990; Ph.D., Arizona State University, 1997; Postdoctoral Fellowship, University of Connecticut, 1998-2001

Vaughan, Melville, Mathematics and Science, B.S., University of Oklahoma, 1987; Ph.D., University of Oklahoma Health Science Center, 1998

Vaughan, Theresa, Liberal Arts, B.A., University of Michigan, 1990; M.A., Indiana University, 1995; Ph.D., Indiana University, 1999

***Vaughn, Heidi**, Liberal Arts, B.A., University of Oklahoma, 1993; M.A., University of Central Oklahoma, 1998

Graduate Faculty

Vessier, Karen, *Emeritus*, Mathematics and Science, B.S., Loyola University of New Orleans, 1993; Nursing, M.S., University of Oklahoma, 1998; Ph.D., Texas Woman's University, 2018

***Vincent, Brandon**, Education and Professional Studies, B.S., Oklahoma State University, 2004; Au.D., University of Oklahoma, 2008

Vincent, Dan, Education and Professional Studies, B.S.E., Oklahoma Baptist University, 1999; M.Ed., University of Oklahoma, 2001; Ph.D., University of Oklahoma, 2006

W

***Wade, Rosalynn**, Education and Professional Studies, B.A.Ed., Southern Nazarene University, 1982; M.A.Ed., Southern Nazarene University, 2000

Walker, Edward Robert, Business, B.A., B.B.A., Southwest Texas State University, 1979, 1981; M.B.A., University of Houston, 1987; Ph.D., University of Houston, 1996

Ward, Jerry, *Emeritus*, Business, B.S., Central State University, 1979; M.B.A., University of Central Oklahoma, 2002; Ph.D., Walden University, 2016

Warehime, Nicole M., Liberal Arts, B.A., Oklahoma City University, 2002; M.A., University of Oklahoma, 2004; Ph.D., University of Oklahoma, 2008

***Warne, Jesse**, Fine Arts and Design, B.F.A., University of Central Oklahoma, 2009; M.F.A., University of Central Oklahoma, 2018

Washburn, Samuel, Fine Arts and Design, B.F.A., Washington University in St. Louis, 2009; M.F.A., University of Central Oklahoma, 2018

Waters, Amanda, Mathematics and Science, B.S., University of Oklahoma, 2009; Ph.D., University of Mississippi, 2014

Watkins, Brad, Liberal Arts, B.A., University of Oklahoma, 2000; M.A., University of Oklahoma, 2002; Ph.D., Oklahoma State University, 2007

Webb, Keith R., Fine Arts and Design, B.F.A., University of Oklahoma, 1987; M.A., University of Central Oklahoma, 1996; M.F.A., University of Central Oklahoma, 2007

Weber, Reid., Liberal Arts, B.A., Wayne State College, 2003; M.A., Northern Illinois University, 2007; Ph.D., University of Florida, 2014

Webster, Joseph K., *Emeritus*, Education and Professional Studies, B.A., Oklahoma State University, 1977; M.S., Oklahoma State University, 1979; Ed.D., Oklahoma State University, 1990

Weidell, Barbara, Fine Arts and Design, B.F.A., Sonoma State University, 1998; M.F.A., San Diego State University, 2002

Weidell, Charleen, Fine Arts and Design, B.A., San Diego State University, 1975; B.A., San Diego State University, 1999; M.F.A., San Diego State University, 2002

Weldon, Tyler, Education and Professional Studies, B.A., University of Central Oklahoma, 1983; M.A., University of Central Oklahoma, 1987; Ph.D., University of New Mexico, 2012

Wert-Gray, Stacia, Business, B.S., University of Arizona,

1981; M.B.A., University of Arizona, 1985; Ph.D., University of Oklahoma, 1993

Wetsel, Jan, Education and Professional Studies, B.S.Ed., Oklahoma Christian University, 1978; M.Ed, University of Central Oklahoma, 1983; Ph.D., University of Oklahoma, 2005

White, Greg, Fine Arts and Design, B.M., University of Central Oklahoma, 1992; M.A., University of Central Oklahoma, 1994; Ph.D., Texas Tech University, 2007

White, L. Keith, Fine Arts and Design, B.M.E., Wichita State University, 1968; M.M., Wichita State University, 1986; Ph.D., Texas Tech University, 1993

***Williams, Kathryn**, *Emeritus*, Liberal Arts, B.A., University of Oklahoma, 1975; M.C.J.A., Oklahoma City University, 1980

Williams, Mary E., *Emeritus*, Business, B.S.Ed., Langston University, 1973; M.Ed., Northeastern Oklahoma State University, 1977; Ph.D., University of Oklahoma, 2001

Williams, Rhonda, Forensic Science Institute, B.S., University of Oklahoma, 2000; M.S., University of Oklahoma, 2003; Ph.D., University of Oklahoma, 2006

Williams, Ronnie Scott, Mathematics and Science, B.S., Texas Tech. University, 2007; M.S., Texas Tech. University, 2010; Ph.D., University of Arizona, 2016

Williams, Terry, Business, B.S., University of Memphis, 1979; M.B.A., University of Memphis, 1989; Ph.D., University of Arkansas at Little Rock, 2017

Willis, Angela, Mathematics and Science, B.S., University of Central Oklahoma, 1991; M.S., Southern Nazarene University, 2006; Ph.D., Oklahoma City University, 2019

Willis, P. Geoffrey, Business, B.S., Vanderbilt University, 1984; M.S., Texas Tech University, 1992; Ph.D., Texas Tech University, 1994

Wilson, Gregory M., Mathematics and Science, B.S., Central University of Iowa, 1991; M.S., Fort Hays State University, 1994; Ph.D., Oklahoma State University, 2001

Wilson, Ragenia, Mathematics and Science, B.S., University of Oklahoma, 1990; M.S., University of Oklahoma, 1999; D.N.P., American Sentinel University, 2019

Wilson, Weldon J., *Emeritus*, Mathematics and Science, B.S., Oklahoma State University, 1973; Ph.D., Oklahoma State University, 1980

Wood, John, Liberal Arts, B.A., Oklahoma State University, 1994; M.A., Oklahoma State University, 1998; Ph.D., Oklahoma State University, 2007

Woods, Susan, Education and Professional Studies, B.S., Texas Tech University, 1987; M.S., Oklahoma State University, 1992; Ph.D., University of Oklahoma Health Sciences Center, 2017

Wray, Tobias, Liberal Arts, B.A., University of Minnesota - Twin Cities, 2005; M.F.A., University of Arkansas, 2012; Ph.D., University of Wisconsin-Milwaukee, 2017

***Wright, Adrienne**, Fine Arts and Design, B.L.A., Oklahoma State University, 2006; M.F.A., University of Central Oklahoma, 2017

Graduate Faculty

X

Xu, Gang, Mathematics and Science, B.S., Fudan University – Shanghai, China, 1998; M.S., Fudan University – Shanghai, China, 2001; M.S., Washington University, 2004; D.Sc., Washington University, 2006

Y

***Yoon, Kanghyum**, Business, B.B.A., Hankuk University of Foreign Studies, 1987; M.B.A., Illinois Institute of Technology, 1995; Ph.D., University of Wisconsin at Milwaukee, 2004

Youll, Lorraine K., Education and Professional Studies, B.A., Missouri Southern State College, 1984; M.A., University of Central Oklahoma, 1988; Ph.D., University of Oklahoma, 1994

Z

Zhang, Yinghong, Business, B.A., Peking University, 1998; M.Phil., The Chinese University of Hong Kong, 2000; M.A., The University of Oklahoma, 2002; Ph.D., Temple University, 2010

Zhou, Wenkai, Business, B.A., Eastern Washington University, 2010; M.B.A., University of California - Riverside, 2013; Ph.D., New Mexico State University, 2017

Zhu, Hong, Fine Arts and Design, B.A., Central Conservatory of Music, Beijing, 1982; M.M., Michigan State University, 1990; D.M.A., Michigan State University, 1995

Zhu, Zhen, Business, B.S., People's University of China, 1985; M., Bowling Green State University, 1987; Ph.D., University of Michigan, 1995

***Zimmerman, Mark**, Liberal Arts, B.A., University of Central Oklahoma, 1993; M.Ed., University of Central Oklahoma, 1999; M.F.A., University of Oklahoma, 2011

Zuo, Fei, Mathematics and Science, B.S., Northwestern Polytechnical University, 2008; M.S., University of Melbourne, 2016; Ph.D., University of South Carolina, 2021

GRADUATE COURSE DESCRIPTIONS



UNIVERSITY OF CENTRAL OKLAHOMA
**Jackson College of
Graduate Studies**

Graduate Course Descriptions

Key to Course Prefixes

College/Institute:

CB	College of Business
CEPS	College of Education and Professional Studies
CFAD	College of Fine Arts & Design
CLA	College of Liberal Arts
CMS	College of Mathematics and Science
FSI	Forensic Science Institute

Prefix Subject, Department/School, College/Institute

ACCT	Accounting, Accounting, CB
ADED	Adult Education, Occupational and Technology Education, CEPS
ART	Arts, Art, CFAD
BIO	Biology, Biology, CMS
BADM	Business, Management, CB
BCOM	Business Communications, Marketing, CB
BME	Biomedical Engineering, Engineering and Physics, CMS
CHEM	Chemistry, Chemistry, CMS
CHIN	Chinese, Modern Languages, Literatures, and Cultural Studies, CLA
CIED	Curriculum and Instruction Education, Curriculum and Instruction, CEPS
CMSC	Computer Science, Computer Science, CMS
CSDY	Creative Writing, English, CLA
CJ	Criminal Justice, School of Criminal Justice, CLA
DANC	Dance, Dance, CFAD
DES	Design, School of Design, CFAD
EADM	Educational Administration, Advanced Professional and Special Services, CEPS
ECED	Early Childhood Education, Curriculum and Instruction, CEPS
ECON	Economics, Economics, CB
ELED	Elementary Education, Curriculum and Instruction, CEPS
ENGR	Engineering, Engineering and Physics, CMS
ENG	English, English, CLA
ESFR	Educational Sciences, Foundations & Research, Educational Sciences, Foundations & Research, CEPS
FMCD	Family and Child Development, Human Environmental Sciences, CEPS
FACS	Family and Consumer Science Education, Adult Education and Safety Sciences, CEPS
FMKT	Fashion Marketing, Human Environmental Sciences, CEPS
FIN	Finance, Finance, CB
FRSC	Forensic Science, FSI
FRCH	French, Modern Languages, Literatures and Cultural Studies, CLA
FNRL	Funeral Service, Funeral Service, CMS
GENS	General Science, Engineering and Physics, CMS
GEO	Geography, History and Geography, CLA
GERO	Gerontology, Sociology, Gerontology, and Substance Abuse Studies, CLA
GUID	Guidance, Advanced Professional and Special Services, CEPS
HLTH	Health, Kinesiology and Health Studies, CEPS
HES	Human Environmental Sciences, Human Environmental

	Sciences, CEPS
HUM	Humanities, Humanities and Philosophy, CLA
ISOM	Information Systems and Operations Management, Information Systems and Operations Management, CB
IME	Instructional Media Education, Advanced Professional and Special Services, CEPS
JAPN	Japanese, Modern Languages, Literatures and Cultural Studies, CLA
KINS	Kinesiology, Kinesiology and Health Studies, CEPS
LATN	Latin, Modern Languages, Literatures and Cultural Studies, CLA
LS	Legal Studies, Finance, CB
MGMT	Management, Management, CB
MRKT	Marketing, Marketing, CB
MATH	Mathematics, Mathematics & Statistics, CS
MCOM	Mass Communication, Mass Communication, CLA
MSBA	Business Analytics, Information Systems and Operations Management, CB
MUS	Music, School of Music, CFAD
MUED	Music Education, School of Music, CFAD
MPER	Music Performance, School of Music, CFAD
NURS	Nursing, Nursing, CMS
NTRN	Nutrition, Human Environmental Sciences, CEPS
OCTE	Occupational and Technology Education, Adult Education and Safety Sciences, CEPS
PHIL	Philosophy, Humanities and Philosophy, CLA
PHED	Physical Education, Kinesiology and Health Studies, CEPS
PHY	Physics, Engineering and Physics, CMS
POL	Political Science, Political Science, CLA
PSM	Professional Science Masters, Center for Research and Education in Interdisciplinary Computation, CMS
PTE	Professional Teacher Education, Educational Sciences, Foundations, and Research, CEPS
PSY	Psychology, Psychology, CEPS
READ	Reading, Advanced Professional and Special Services, CEPS
REC	Recreation, Kinesiology and Health Studies, CEPS
SFTY	Safety, Adult Education and Safety Sciences, CEPS
SOST	Social Studies, History and Geography, CLA
SOC	Sociology, Sociology, Gerontology, and Substance Abuse Studies, CLA
SPAN	Spanish, Modern Languages, Literatures and Cultural Studies, CLA
SLP	Speech, Language Pathology, Advanced Professional and Special Services, CEPS
SPED	Special Education, Advanced Professional and Special Services, CEPS
STAT	Statistics, Mathematics and Statistics, CMS
SAS	Substance Abuse Studies, Sociology, Gerontology, and Substance Abuse Studies, CLA
TESL	Teaching English as a Second Language, Curriculum and Instruction, CEPS
THRT	Theatre, Theatre Arts, CFAD
UCOL	University College
UNIV	University Courses

Graduate Course Descriptions

ACCOUNTING (ACCT) Department of Accounting

ACCT 5232 - Foundations in Accounting Information

This course is designed to provide a basic foundation in accounting tools and techniques needed to be successful in understanding and applying accounting information to decision making in the area of finance. Students will have an understanding of where accounting information is derived, the basic preparation skills for financial statements, and basic tools for applying, analyzing, and interpreting accounting information in the business world.

ACCT 5013 - Accounting Research Methods

This course provides a framework for graduate research methods and technical writing in accounting, auditing, and tax research. Prerequisite(s): Completed all prerequisites for the MBA Program, 21 credit hours in upper-division accounting courses including ACCT 3233, ACCT 4213, and ACCT 4363, and BADM 5005 and BADM 5115.

ACCT 5103 - Controllership & Decision Accounting

Students examine the conceptual and technical issues involved in meeting the accounting information needs of managers. Primary emphasis is on managerial decision making, planning, controlling, and evaluating performance. Prerequisite(s): Completed all prerequisites for the MBA Program.

ACCT 5113 - Accounting Theory

This course provides a frame of reference in financial accounting theory, origin and development of accounting practices, and a critical study of current accounting theory. Prerequisite(s): Completed all prerequisites for the MBA Program, 21 credit hours in upper-division accounting courses including ACCT 3233 and ACCT 5013, BADM 5005 and BADM 5115.

ACCT 5213 - Current Topics In Accounting

This course provides the student with knowledge and ethical insight to current problems and/or new areas of concern emerging in the field of accounting. Prerequisite(s): Completed all prerequisites for the MBA Program and 21 credit hours in upper-division accounting courses including ACCT 3233 and ACCT 5013 and BADM 5005 and BADM 5115.

ACCT 5313 - Current Issues In Taxation

This course required students to analyze cases involving pass-through entities and federal tax situations with an emphasis on research and planning. Prerequisite(s): Completed all prerequisites for the MBA Program, 21 credit hours in upper-division accounting courses including ACCT 3333 and ACCT 5013 and BADM 5005 and BADM 5115.

ACCT 5423 - Current Issues In Auditing

This course is designed to challenge students to consider philosophies and concepts of accounting and auditing; to understand the current developments, threats and ethical attributes of the profession. Prerequisite(s): Completed all prerequisites for the MBA Program, 21 credit hours in upper-division accounting courses including ACCT 4363 and ACCT 5013, and BADM 5005 and BADM 5115.

ACCT 5900 - Practicum In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 5920 - Workshop In Accounting

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.

ACCT 5930 - Individual Study In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 5940 - Field Study in Accounting

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ACCT 5950 - Internship

One to eight hours credit; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

ACCT 5960 - Institute In Accounting

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ACCT 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ACCT 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ADULT EDUCATION (ADED) Department of Adult Education & Safety Sciences

ADED 5031 - Orientation to Adult Education

Orientation to Adult Education/Training is an introduction to the Master's Program in Adult and Higher Education. Essential components and course content will include advisement and introductory paperwork necessary for continued program enrollment in the ADHED program, resources for success including computer and online resources, study skills including APA formatting, Turn It In, plagiarism, learning styles, and basic computer skills for working in an online environment.

ADED 5073 - Managing Talent Development and Workplace Learning Programs

This course is designed to familiarize the student with the procedures and processes involved in managing educational programs. There is an emphasis on the application of theory to practice, alignment with organizational direction, team building within the organization, and evaluation for continuous improvement. Program and project management are complex processes, and the student will develop abilities to help lead an organization through complexity.

ADED 5133 - History and Philosophy of Adult Education

This course examines the historical and philosophical foundations in adult education. Students will be exposed to the historical movements, key trends, philosophical underpinnings, and theoretical frameworks influencing adult education theories and practice in the United States. The central goal of this course is to create a "community of learners" modeled after other current and historical adult education programs and practices.

ADED 5153 - Foundations Student Personnel

This course will introduce students to the field of Student Personnel Service and its role within the context of American higher education. More specifically, this course provides an introduction to the origins, history, philosophy and current best practices of the college student personnel profession.

Graduate Course Descriptions

ADED 5163 - Leadership and Organizational Communication

This course examines several theories of leadership and workplace communications and their application. It emphasizes the theory and practice of leadership while providing insight into an understanding of the student's own leadership style and values. This course will also explore the issues surrounding leadership and workplace communication.

ADED 5233 - Learner-Centered Design & Implementation

Learner-Centered Design & Implementation provides a foundation in the instructional design and implementation of adult learning. The course introduces learners to the entire spectrum of adult education instructional design and implementation, including needs analysis development, instructional design theory focused on adult learners, methods of delivery, and evaluation. This course will provide learners with practical experience designing and implementing learning experiences focused on the adult learner in academic and workplace environments.

ADED 5253 - Adult Development Theory & Practices

This course focuses on the theories and practices of student development in the academic setting. The emphasis will be on the psychological, social, and educational development of the student. The course will allow discussion of traditional behavioral theories, learning practices, social development and current trends and future directions in behavioral science including concepts of developing high-performance perception, problem-solving and intellectual development. The course will incorporate techniques of survey research on student motivation and academic trends.

ADED 5263 - Workforce Diversity

This course exposes graduate students to theories and practices of diversity and inclusion in the workplace, including but not limited to: race/ethnicity, marital and family status, sexual orientation, nationalism, and physical ability.

ADED 5313 - Techniques Of Teaching Adults

This course will improve an adult educator's skills in teaching/training adult learners in education and/or business setting. Emphasis will be placed on the functions of planning, organizing, conducting, and evaluating the instructional process of adult education and training programs.

ADED 5323 - Coaching/and Mentoring Adult Learners

This course will familiarize the student with the basic skills, theories and values of coaching and mentoring adult learners. These skills are valuable when working with adults in corporate, non-profit, and educational settings. There is an emphasis on listening skills, relationship building, setting goals, enabling insight and learning in others, as well as growing in an understanding of oneself. This course also explores issues of ethical practice while working online and face to face with mentees or as a coach.

ADED 5333 - Motivation Concepts

This course provides the tools to help students develop or increase the skills necessary to help motivate adult learners.

ADED 5353 - Organization & Administration of Adult & Higher Education

This course focuses on the organization and administration of adult and higher education from legislative, legal, structural-functional, power, political, bureaucratic and social perspectives. Topics covered include: governance, central office organization, administrative position analysis, faculty organization, faculty participation in policy formation and decision-making, academic freedom, goal analysis, budgetary policies and methods, and decision strategies in handling a representative set of administrative problems. The course will provide students with a thorough examination of the administration and governance structures within adult and higher education and an understanding of the unique organizational, governance, and administrative characteristics of colleges and universities, as well as for-profit institutions in American higher education.

ADED 5423 - Evaluation & Analysis of Learning Strategies and Programs

This course is an examination of the theory and practice of evaluating educational programs and learning strategies. The field of educational evaluation is growing rapidly, as are issues with accountability. The course will introduce students to multiple modes of evaluation, concepts, and practices that will help them conduct impactful evaluations. Topics include techniques for constructing valid and reliable measurement and assessment, qualitative and quantitative methods, data gathering and analysis.

ADED 5433 - Advanced Human Relations in 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.

ADED 5483 - Contemporary Issues in Talent Development and Workplace Learning

This course is designed to be a broad survey of the issues surrounding the fields of talent development and workplace learning. Using various readings, class discussions and student presentations, we will critically examine contemporary issues in such areas as diversity, equity, inclusion, life transitions, and other areas identified by the learner and relevant to their professional settings.

ADED 5523 - Creative Supervision Skills

This course addresses the characteristics of an effective supervisor. Topics include motivating 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): Graduate standing.

ADED 5623 - Innovative Technology in Adult Education

Innovative Technology in Adult Education is designed to familiarize students with the latest in innovative technologies for adult education as well as examine the social and cultural impacts of the use of those technologies. It provides students with a vision of the future of education through innovations in technology as well as traces the innovative path from theory to practice.

ADED 5643 - Proposal and Grant Writing

This course will address techniques of successful proposal and grant writing. It will focus on following proposal guidelines and granting institution Request For Proposal's (RFP's) as well as identifying and developing strategies for successful completion of proposal and grant writing projects.

Graduate Course Descriptions

ADED 5653 - Classroom Assessment Techniques for Adult Learners

This course helps participants acquire and internalize the essential components of classroom assessment by focusing on the research, theory and practice of developing and implementing classroom assessment techniques/tools as a means of assessing the evaluating adult learners.

ADED 5753 - Developing Online Learning

The Developing Online Learning course is designed to present concepts and skills used in the development of online courses and training programs specifically for the adult learner. The course provides specific applications in academic and workplace learning environments. Prerequisite(s): ADED 5233 and ADED 5623.

ADED 5763 - Facilitating Online Learning Adults

The Facilitating Online Learning course is designed to present concepts and skills used in the delivery and facilitation of online course and training programs focusing specifically for the adult learner. The course provides specific applications in academic and workplace learning environments. Prerequisite(s): ADED 5233 and ADED 5623.

ADED 5823 - The Adult Learner

This course emphasizes adult learning theories and the implication those theories have for the education of adults. Psychological, sociological and physiological characteristics of adult learners are examined as well as the changing societal trends and demographics affecting adult education. Individual learning styles, methodologies of instructing adults, and the importance of well-constructed learning environments are also investigated.

ADED 5883 - Transformational Learning

This course is designed to familiarize the students with interactive/collaborative methods of teaching which focus on the theory and process of transformative learning and its relationship to current adult education learning methodologies.

ADED 5893 - Capstone in Talent Development and Workplace Learning

This course is designed to provide the culminating experience for students completing the M.Ed. in Talent Development and Workplace Learning. The student will complete one of the following: a scholarly research paper, a scholarly project, an individual professional presentation, a poster presentation integrating basic theory, or a master's portfolio that synthesizes their studies and demonstrates skills, knowledge, and values related to their program studies. Prerequisite(s): PTE 5013, ADED 5163, 5823, 5031, 5233. Students must have a 3.0 or higher overall GPA, have no more than 6 hours of 'C' be enrolled in their last 6 credit hours, have a grade of "B" or higher in all core courses, and have permission of the instructor.

ADED 5900 - Practicum In Adult Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ADED 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ADED 5920 - 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.

ADED 5930 - Individual Study

Credit varies from 1 to 4 hours. Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area to be studied and permission of graduate advisor.

ADED 5940 - Field Study in Adult Education

Credit varies from 1 to 9 hours. Subject matter will vary within the department's field of study.

ADED 5950 - Internship In Adult Education

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

ADED 5960 - Institute In Adult Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ADED 5970 - Study Tour In Adult Education

Credit will vary. Subject matter will vary within the department's field of study.

ADED 5980 - Project In Adult Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ADED 5990 - Thesis In Adult Education

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ADULT EDUCATION & SAFETY SCIENCES (AESS) Department of Adult Education & Safety Sciences

AESS 5900 - Practicum in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5900 - Practicum in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5910 - Seminar in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5910 - Seminar in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5920 - Workshop in AESS

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.

AESS 5920 - Workshop in AESS

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.

AESS 5930 - Individual Study in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5930 - Individual Study in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5940 - Field Study in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

AESS 5940 - Field Study in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5950 - Internship in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5950 - Internship in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5960 - Institute in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5960 - Institute in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5970 - Study Tour in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5970 - Study Tour in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5990 - Thesis

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 5990 - Thesis

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ART (ART) Department of Art

ART 5053 - Native American Art

This course covers the evolution of Native American art from pre-history roots through contemporary expression. Prerequisite(s): Graduate standing.

ART 5303 - History And Criticism Of Art

This course provides an opportunity for extended study of past and contemporary art history with a critical analysis of art content and methods. Prerequisite(s): ART 1112, 3153, 4303.

ART 5343 - Multicultural Art

This 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.

ART 5363 - Art by Women

This course offers study in the visual art contributions of women. Historical, cultural, and political influences on women's art are examined.

ART 5842 - Elementary Art Educational Methods/Art Majors

Students develop a sequential discipline-based Art Education curriculum for elementary schools. Prerequisite(s): Graduate standing.

ART 5853 - Secondary Art Educational Methods/Art Major

Curriculum materials for secondary school art will be developed and sequentially organized. Presentation techniques are practiced. Prerequisite(s): Graduate standing.

ART 5910 - Seminar / Special Topics

Credit varies from 1 to 4 hours. Directed intensive study on selected problems of special topics. Prerequisite(s): An undergraduate minor in the subject matter area and permission of graduate advisor.

ART 5930 - Individual Study

Credit varies from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines of plan; conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area to be studied, and permission of graduate advisor.

ART 5940 - Field Study in Art

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ART 5970 - Study Tour In Art And Design

Credit will vary. Subject matter will vary within the department's field of study.

BUSINESS ADMINISTRATION (BADM) Department of Management

BADM 5005 - Leading Global Competitive Environments

This course will help students develop effective communication and leadership skills and examines diversity and ethics in a variety of cultural contexts. Prerequisite(s): Enrollment open to MBA majors only.

BADM 5013 - MBA Foundation Skills

This course is designed for post-undergraduate, pre-MBA students and others in business looking to solidify their business skills in preparation for an MBA or a first time work force experience. Topics include: basic skills to succeed in pursuit of an MBA; business computer and systems literacy skills; business communication; analysis and decision making; working in business; and experiential business. The course benefits all who want to strengthen their abilities and earning potential by developing key in-demand business practices.

BADM 5023 - Business in Contemporary Society

This course is designed for post-undergraduate, pre-MBA students and others in business looking to understand contemporary business. Topics include: the role of business in American society, its purposes and responsibilities, its structure, its practical operations and functions, and its most important asset - business people. The course also compares American business to its counterparts throughout the world. Finally, the course examines the evolution of business practice and thought.

BADM 5033 - Survey of Bus Disciplines

This course is designed for the post-undergraduate, pre-MBA students and others in business looking for an overview or refresher of essential topics in business. Topics include: accounting, business law, economics, finance and financial markets, information systems and technology, management basics, marketing fundamentals, and organizations. Integration of these topics is stressed throughout the course with a particular focus on business strategy.

BADM 5115 - Human Capital Management

This course identifies current issues in human capital management with emphasis on behavioral and legal aspects of the overall organization. Prerequisite(s): BADM 5005 with a minimum grade of "B". Enrollment open to MBA majors only.

Graduate Course Descriptions

BADM 5125 - Accounting and Finance

This course introduces students to key functions of both finance and accounting in an organization. Emphasis is on how to analyze, interpret and communicate a variety of financial information to management, co-workers, employees, customers, and other interested stakeholders. Topics will be covered through lectures, discussion problems, cases, and a hands-on project assignment. Prerequisite(s): BADM 5005 with a minimum grade of "B". Enrollment open to MBA majors only.

BADM 5135 - Prices, Profits & Market Economy

This course examines the market economy from Economics and Marketing points of view. Special emphasis is placed on the economic constraints and opportunities marketing. Prerequisite(s): BADM 5005. Enrollment is open to MBA majors only.

BADM 5205 - Managing Business Processes with Information Technology

This course provides a systems view of an organization and enables students to apply appropriate operations models and information technology concepts and applications. Prerequisite(s): BADM 5005 with a minimum grade of "B". Enrollment open to MBA majors only.

BADM 5215 - Quantitative Modeling

Managerial/organizational decision methods and the role of statistics for the analysis of business modeling will be identified. The development and implementation of such analysis and modeling systems will be explored. Prerequisite(s): BADM 5005 with a minimum grade of "B" and BADM 5125 with a minimum grade of "C". Enrollment open to MBA majors only.

BADM 5305 - Strategic Integration

This course is designed to enhance and assess the student's cognitive skills in solving business problems. Prerequisite(s): BADM 5005 with a minimum grade of "B" and BADM 5115, 5125, 5135, 5205 and 5215 with a minimum grade of "C". Enrollment open to MBA majors only with a Graduate GPA of 3.0 or higher.

BADM 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BADM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

BADM 5920 - 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.

BADM 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

BADM 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

BADM 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

BADM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

BUSINESS COMMUNICATION (BCOM) Department of Marketing

BCOM 5000 - 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 2 hours of workshop may be counted on a master's degree.

BCOM 5303 - Business Research Methods

Concepts and methods of the scientific research process: defining the problem; stating the hypothesis; designing the investigation; developing the proposal; collecting, organizing, presenting, analyzing, and interpreting the data; and reporting the results in both written and oral forms. Prerequisite(s): Completed all prerequisites for the MBA Program.

BCOM 5323 - Communication & Business Behavior

Application of contemporary management and behavioral theories to interpersonal group communication within business organizations. Prerequisite(s): Completed all prerequisites for the MBA Program.

BCOM 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BCOM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

BCOM 5920 - 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.

BCOM 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

BCOM 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

BCOM 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

BCOM 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

BCOM 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

BCOM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

BIOLOGY (BIO)

Department of Biology

BIO 5012 - Intro 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. Completion of a course in Statistics is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

Graduate Course Descriptions

BIO 5024 - 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): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5024L - Freshwater Ecology Laboratory

This is a three-hour per week laboratory to accompany BIO 5024.

BIO 5044 - GIS & Ecology

This course is an examination of the use of Geographic Information Systems (GIS) and their application to ecology. Topics include GPS, remote sensing, basic GIS operations, topographic and linear operations, temporal change, spatial interpolation, modeling, and its application to population, community, and landscape ecology. This course consists of three hours of lecture and three hours laboratory per week. Completion of a course in Ecology and a course in Statistics are recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5053 - Conservation Biology

This course is a study of anthropogenic effects on biological diversity. Through a combination of in-class lectures, discussions, and readings from the primary and secondary literature, students will learn how human activities have threatened biological diversity at the global scale, both historically and currently. Mechanisms for preventing future losses of biological diversity, both at the individual and societal levels, will be emphasized. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5103 - History and Nature of Science

The course surveys the history of the natural sciences beginning with the natural philosophers of ancient Greece and continuing through the Middle Ages, the 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): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5113 - Biogeography

This course is a study of the distribution of organisms, both past and present. The course includes concepts from ecology, evolution, and geology. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5124 - Herpetology

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. This course consists of three hours lecture and three hours laboratory. Completion of a course in Ecology or a course in Vertebrate Zoology is strongly recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5124L - Herpetology Laboratory

This is a laboratory for BIO 5124. Prerequisite(s): 12 hours of Biology and BIO 1404.

BIO 5134 - Developmental Biology and Lab

This course is an analysis of mechanisms of early development of invertebrates and vertebrates. Emphasis is on the cellular, molecular, and genetic study of the determination of the body plan, and morphogenesis of selected organs. It consists of three hours lecture and three hours laboratory per week. Completion of a course in Genetics is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5153 - Wildlife Management

This course discusses wildlife resources of North America and their importance in economic and cultural life, biological methods of preservation, restoration, and management. Wildlife management techniques will be stressed with a cursory introduction to policies and laws that govern wildlife resources. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5204 - Plant Ecology and Laboratory

This course is a study of the interactions of plants with their environment. The course covers terrestrial, vascular plant ecology with investigations at the population, community and ecosystem levels of ecology. The course consists of three hours of lecture and three hours of laboratory per week. Field trips are required. Completion of a course in Ecology is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5204L - Plant Ecology Laboratory

This is the lab for BIO 5204.

BIO 5232 - Integrative Biology

Integrative Biology is a student-driven course that synthesizes core concepts in biology in a collaborative environment. Advanced biological topics, which vary each semester, will be discussed and students will be expected to integrate core knowledge to answer complex biological questions. During the semester, each student will lead a topic which will include a literature review, presentation, and question and answer discussion session.

BIO 5254 - 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. Completion of a course in Evolution is strongly recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5254L - Animal Behavior Laboratory

This is a three-hour per week laboratory to accompany BIO 5254. Field work required.

BIO 5264 - Mammalogy and Laboratory

This course is a survey of mammals; including their taxonomy, anatomy, ecology, distribution, behavior and natural history. It consists of three hours lecture and three hours laboratory per week and participation on weekend field trips is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5264L - Mammalogy Laboratory

This is a three-hour per week laboratory to accompany BIO 5264. Participation on weekend field trips is recommended.

Graduate Course Descriptions

BIO 5294 - Plant Taxonomy and Laboratory

This course covers vascular plant classification, identification, nomenclature and evolution, with laboratory experience in plant collection and identification. The course consists of three hours of lecture and three hours laboratory per week. Field work is required. Completion of a course in Evolution is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5294L - Plant Taxonomy Laboratory

This is the laboratory for BIO 5294.

BIO 5303 - Physiological And Biochemical Adaptation

This course is a comprehensive study of physiological and biochemical strategies which help organisms adapt to various environmental conditions. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5324 - Marine Ecology and Laboratory

This course studies marine life with special emphasis on community relationship, ecological factors in different habitats and their influence on the distributions, abundances, and adaptations of marine organisms. It consists of three hours of lecture and three hours of laboratory per week. Extensive field work, including a one-week trip to the Texas Gulf Coast is required. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5324L - Marine Ecology Laboratory

This is a three-hour per week laboratory to accompany BIO 5324.

BIO 5334 - Environmental Microbiology & Laboratory

This course is an advanced study in microbiology dealing with the use of microorganisms to mineralize, detoxify and degrade environmental contaminants. This course will study the mechanisms and processes by which microorganisms are involved in the treatment of sewage, identification of waterborne microbial diseases. The course will investigate the remediation of heavy metal contaminated soils. Laboratory exercises will enable students to become familiar with and to use standardized tests for the analysis of water and wastewater and the biodegradation of environmental pollutants. Completion of a course in Microbiology is strongly recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5343 - Molecular Biology Techniques & Laboratory

This lecture and laboratory course presents advanced principles of DNA analysis techniques. Both human (forensic) and non-human applications will be discussed. Topics covered in this course include DNA extraction, DNA quantification, polymerase chain reaction, DNA fragment analysis, DNA sequencing, and bioinformatics databases. This course consists of two hours lecture and three hours of laboratory per week. Completion of a course in Genetics is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor. Credit may not be earned for both BIO 5343 and FRSC 5333.

BIO 5343L - Molecular Biology Techniques Laboratory

This is a three-hour per week laboratory to accompany BIO 5343.

BIO 5354 - 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): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5354L - Plant Anatomy Laboratory

This is a three-hour per week laboratory to accompany BIO 5354.

BIO 5423 - Bioinformatics and Genomics

In this course, students develop a broad background on the central concepts in bioinformatics and genomics. Students will learn how to sort through and analyze DNA sequences for the structure and function of genes. Students will also interpret the significance of DNA sequences in the context of a biological function in an organism.

BIO 5434 - Pathogenic Microbiology & Lab

This course is a study of pathogenic bacteria, fungi, and viruses, with an emphasis on the processes leading to the development of disease symptoms, pathology, diagnosis, and treatments & preventions. Students will learn how to perform various biochemical and molecular techniques that are aligned with current skills needed in the biotechnology workforce, Ph.D. programs, and professional schools.

BIO 5443 - Microtechnique and Laboratory

The course is an introduction to manual techniques of tissue processing and staining procedures along with microphotography, phase microscopy, and fluorescence microscopy. Student presentations of special projects are required. It consists of one hour lecture and six hours laboratory per week. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5443L - Microtechnique Laboratory

This is the laboratory to accompany BIO 5443.

BIO 5444 - Immunology & Lab

This course is a study of the human immune system and how it protects the body from infectious disease and cancer. The reasons for and consequences of immune system abnormalities are also explored. Students will learn how to perform various immunological assays and techniques that are aligned with current skills needed in the biotechnology workforce, graduate programs, and professional schools.

BIO 5454 - Molecular Cell Phys and Laboratory

This course emphasizes a study of the molecular and physiological aspects of cell life. Topics include cell dynamics, protein structure and function, nucleic acids, recombinant DNA technology, sub-cellular organization, photosynthesis, respiration, integrated metabolism, transport, and differentiation. It consists of lecture and laboratory integrated into six hours per week; length of laboratory sessions varies with weekly topics. Completion of a course in Cell Biology is strongly recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5454L - Cell Physiology Laboratory

This is a three-hour per week laboratory to accompany BIO 5454.

BIO 5504 - Mycology and Laboratory

This course is a general survey covering the morphology, reproduction, ecology and economic importance of fungi, including those of medical importance, with laboratory experience in their collection, cultivation, and identification. The course consists of three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIO 3054 or equivalent and admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5504L - Mycology Laboratory

This is a three-hour laboratory to accompany BIO 5504.

Graduate Course Descriptions

BIO 5524 - Aquatic Entomology & Lab

This course studies the taxonomy, morphology, ecology, and evolution of aquatic insects occurring in North America. The course 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): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5524L - Aquatic Entomology Laboratory

This is a three-hour per week laboratory to accompany BIO 5524.

BIO 5554 - Oklahoma Field Biology & Lab

This course will introduce students to the Oklahoma flora and fauna and the basic classification of the various groups of organisms. Students will learn collecting and preservation techniques and learn how to use field guides. The course will consist of a combined lecture/lab setting and include local field trips as well as several all-day or overnight trips. It consists of three hours of lecture and three hours of laboratory per week. Completion of a course in Ecology is strongly recommended. Prerequisite(s): Permission of Instructor

BIO 5622 - Methods Human Dissection & Prosection

This course includes instruction in techniques of dissection and prosection of the human body. All organ systems are studied with special reference to skeletal landmarks and to clinical significance. There are three laboratory hours and one recitation hour per week. Prerequisite(s): BIO 2504 or FNRL 2214 or FNRL 3214 or equivalent AND Permission of Instructor.

BIO 5633 - Scanning Electron Microscopy & Laboratory

This course is a study of the theory and principles of Scanning Electron Microscopy. Topics include 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. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5723 - Biometrics

This course will focus on univariate and selected multivariate statistical techniques used in Biology. Emphasis will be on data collection, presentation, hypothesis formation and testing. Computer data analysis will also be introduced. Completion of a course in statistics is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5734 - Ornithology and Laboratory

This course is a study of the birds of Oklahoma, their taxonomy, physiology, anatomy, ecology, distribution, behavior, and natural history. There are three lecture hours and a three-hour laboratory per week. Field trips are required. Completion of a course in Ecology and a course in Statistics are recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5743 - Population Genetics & Lab

This course is an advanced study of modern population genetic theory. Topics in this course include: estimating genetic variation within populations; the effects of genetic drift, mutation, selection, and gene flow on genetic variation; inbreeding; estimation of population structure; quantitative genetics; and human population genetics. This course consists of two hours lecture and three hours of laboratory per week. Completion of a course in Evolution is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5754 - General Entomology & Laboratory

This course is an introduction to insects emphasizing functional anatomy and identification of specimens to family level, and exploring both basic and applied aspects of the discipline. It consists of three hours of lecture and three hours of laboratory per week. Completion of a course in Ecology or a course in Evolution is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5754L - General Entomology Laboratory

This is the three-hour per week laboratory that accompanies BIO 5754.

BIO 5763 - 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 the 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 aspect of cancer will be characterized and methods of treatment will be included. Completion of a course in Genetics is strongly recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5773L - Parasitology Laboratory

This is a three-hour per week laboratory to accompany BIO 5773.

BIO 5774 - Parasitology & Laboratory

This course is a survey of animal parasites, including their taxonomy, life cycle, morphology, physiology, parasitic strategies. It consists of three hours lecture and three hours laboratory per week. Completion of a course in Cell Biology or a course in Microbiology is recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5812 - Teach & Learn in Sci Classroom

The course will examine pertinent contributions from recent research in the area of teaching secondary science. The course focuses on research related to improving the teaching and learning of science, and on techniques and materials that meet the needs of secondary students. The course emphasizes integrating science and technology, and adapting instruction to the needs of diverse learners. Prerequisite(s): Six (6) hours of science courses and/or permission of instructor.

BIO 5843L - Virology Laboratory

This is the laboratory to accompany BIO 5843.

BIO 5844 - Virology and Laboratory

This course is a study of the nature and structure of viruses, their multiplication, and effects on the host cells. Special attention is given to the pathogenesis of viral diseases to the mechanism of host resistance, and to a survey of tumor and cancer-causing viruses. There are three lecture hours and a three-hour laboratory per week. Completion of a course in Microbiology is strongly recommended. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5853 - General Methods Of Teaching Science

This course is a study of different methods/approaches of teaching science (life and physical, grades 6- 12) and current issues in science education for secondary science education majors. The curriculum includes individual experience involving application of methods and approaches learned in the course. It consists of two lecture hours and three laboratory hours per week. Prerequisite(s): BIO 5812 and six hours of science courses at the 3000 level or higher and permission of instructor.

Graduate Course Descriptions

BIO 5853L - General Methods Of Teaching Science Laboratory

This is a three-hour laboratory to accompany BIO 5853.

BIO 5892 - Graduate Capstone

The graduate Capstone is the culmination of the M.S. in Biology Non-thesis Option. Students will submit a written document, content to be determined by the student's Advisory Committee, which is reflective of the non-thesis experience. Additionally, students will meet with the Advisory Committee to complete an exit exam. Subject matter will vary by discipline within the department. This course must be taken in the final semester of the degree and cannot be taken by students completing the Thesis Option.

BIO 5900 - Practicum In Biology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BIO 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Admission to the Biology Graduate Program OR Permission of Instructor.

BIO 5920 - Workshop in Biology

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.

BIO 5930 - Individual Study In Biology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BIO 5940 - Field Study in Biology

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

BIO 5950 - Internship In Biology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

BIO 5960 - Institute In Biology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

BIO 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

BIO 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

BIOMEDICAL ENGINEERING (BME) Department of Engineering and Physics

BME 5223 - Biomedical Imaging

This course will cover topics in physics related to medical instrumentation, image acquisition, and image processing methods used in biomedical imaging systems such as X-ray, X-ray computed tomography, ultrasound, and magnetic resonance imaging. Topics in medical imaging metrics used to evaluate the performance of the imaging systems will also be covered. Prerequisite(s): ENGR 3323 with a minimum grade of "C" and graduate standing.

BME 5233 - Biomedical Instrumentation

This course covers theories and techniques to detect, acquire, process, and display signals from living systems. Coverage of the principles, applications, and design of biomedical sensors/transducers, diagnostic and therapeutic devices will be provided. Electrical safety and FDA regulations will also be covered. Prerequisite(s): MATH 3103, ENGR 2303 and ENGR 2311 all with a minimum grade of "C" and graduate standing.

BME 5243 - Modeling & Analysis of BME Sys

The fundamentals of computer modeling and simulation of biomedical systems will be covered. Students will develop quantitative models of biomedical systems including biofluids, bioelectrical and biomechanical systems. Prerequisite(s): ENGR 1213, ENGR 2303, ENGR 2311, and BME 3113 all with a minimum grade of "C". Graduate standing.

BME 5343 - Biomechanics

This course introduces the principles and application of mechanics (statics, dynamics, solid mechanics, fluid mechanics, and continuum mechanics) in biological and medical problems. Topics include cellular mechanics, hemodynamics, cardiovascular mechanics, ocular mechanics, musculoskeletal mechanics, and frontiers in biomechanics. Prerequisite(s): ENGR 2033 and MATH 3103 all with a minimum grade of "C".

BME 5900 - Practicum

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

BME 5910 - Seminar

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

BME 5920 - 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.

BME 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BME 5940 - Field Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BME 5950 - Internship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BME 5960 - Institute

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BME 5970 - Study Tour

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BME 5980 - Graduate Project

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

BME 5990 - Thesis

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHEMISTRY (CHEM) Department of Chemistry

Graduate Course Descriptions

CHEM 5103 - Biochemistry II

Metabolic pathways and their regulation are studied, emphasizing enzyme reactions and regulation in mammalian systems. Topics include energy pathways, synthetic pathways, and the balancing of tissue needs via hormonal regulation. Each student will complete a paper on the use of enzymes or related proteins in forensic investigations. The instructor and the student will collaborate on the selection of the research topic; the approach may be historical, molecular biological, or biochemical, but the work must include a hypothesis originated and developed by the student. Prerequisite(s): CHEM 3403; CHEM 3323 and BIO 2203 are strongly recommended.

CHEM 5283 - Quality Assurance and Quality Control

This course provides an introduction to modern Quality Assurance Quality Control (QA/QC) in laboratory sciences with an emphasis on laboratory equipment, sample preparation techniques, analytical method validation, good documentation practices, and regulatory guidelines. This course will prepare students for entry-level laboratory-based QA/QC jobs.

CHEM 5423 - Medicinal Chemistry

CHEM 5423 presents material and concepts regarding the chemistry, biochemistry, and biology involved in drug development. This course presents an overview of modern medicinal chemistry, from first principles of drug action to design and development of potential therapeutics, and assumes background knowledge of general and organic chemistry. The focus is on building upon the understandings of the topical issues and most frequently used techniques in the medicinal chemistry and pharmaceutical fields. In addition, students will be responsible for researching and presenting an extended medicinal chemistry topic of their choice to the entire class. Prerequisite(s): CHEM 3323 and CHEM 3403. Co-requisite(s): CHEM 3403.

CHEM 5454 - Advanced Instrument Analysis & Laboratory

This course is a detailed study of modern analytical instruments with emphasis on the theory, design, applications and interpretation of data obtained from these instruments. Instrumental methods used will include electroanalytical and thermal analysis, NMR, atomic absorption, emission, x-ray and Raman spectroscopy, radiochemistry and selected chromatographic methods. Prerequisite(s): CHEM 3454; CHEM 3602 or concurrent enrollment.

CHEM 5454L - Advanced Instrument Analysis Laboratory

This laboratory course accompanies CHEM 5454. Concurrent enrollment in CHEM 5454 is required.

CHEM 5533 - Nuclear Chemistry

This course provides a study of the phenomenon of radioactivity and its application in the solution of chemistry problems, generally in the areas of compositional analysis, nuclear medicine, and the dating of materials. Topics covered include the history of radiochemistry, nuclear analytical methods, health physics, and the development of an understanding of commonly-encountered nuclear and radiological materials. Prerequisite(s): (CHEM 2104 and CHEM 3323) or (CHEM 1315 and PHY 3103) or equivalents.

CHEM 5603 - Advanced Organic Chemistry

This graduate-level course provides the student with a more thorough understanding of organic chemistry beyond CHEM 3323 in the areas of organic synthesis, reaction mechanisms, and physical organic chemistry. Prerequisite(s): CHEM 3323.

CHEM 5900 - Practicum In Chemistry

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHEM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): CHEM 3323.

CHEM 5920 - Workshop in Chemistry

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.

CHEM 5930 - Individual Study In Chemistry

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHEM 5940 - Field Study in Chemistry

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

CHEM 5950 - Internship In Chemistry

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

CHEM 5960 - Institute In Chemistry

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CHEM 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

CHEM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

CHINESE (CHIN)

Department of Modern Languages, Literature and Cultural Studies

CHIN 5900 - Practicum In Chinese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHIN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHIN 5920 - Workshop in Chinese

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.

CHIN 5930 - Individual Study In Chinese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHIN 5940 - Field Study In Chinese

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

CHIN 5950 - Internship In Chinese

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CHIN 5960 - Institute In Chinese

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CHIN 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

CHIN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

CURRICULUM INSTRUCTION EDUCATION (CIED) Department of Curriculum and Instruction

CIED 5151 - Professional Engagement in Education

This course gives students the opportunity to engage in a self-selected project that applies the theories and practices learned in this program. Students will plan, implement, and reflect upon their projects under the guidance of a faculty mentor.

CIED 5213 - Curriculum Inquiry

This course addresses educational research questions related to curriculum inquiry. Students will be introduced to major strands of curriculum inquiry, synthesize current literature of curriculum studies and curriculum theory, and apply this knowledge to their own emerging inquiry. In addition, the relation of curriculum inquiry to practice will be examined.

CIED 5253 - Teachers as Researchers

This course examines action research, an approach to research involving self-reflective, systematic inquiry by education practitioners for the purpose of studying and improving their own practice. Identification of problems to investigate, research design, data collection, data analysis, data interpretation and technical writing are presented. The ethics of action research with human subjects is addressed. Students plan and implement a practice-based action research project and report on the outcomes of their study. Students writing a thesis will complete the thesis proposal in place of the action research.

CIED 5333 - Critical Issues in Education

This course critically examines current issues facing the educational system from a variety of perspectives. Emphasis is placed on identifying issues impacting the profession, synthesizing research on issues, and advocating for best practices.

CIED 5353 - Math Pedagogy for Pre-Kindergarten to Grade 6

This course will prepare early and elementary educators with pedagogical content knowledge to help their students be successful with mathematics. Topics may include conservation, number concepts, additive thinking, multiplicative thinking, spatial reasoning, and algebraic thinking, as well as effective teaching strategies, assessments, and interventions. Students will undertake scholarly activities related to these topics.

CIED 5373 - Curriculum Design Theories

This course will examine and critically analyze the historical, sociological, philosophical, and psychological foundations of major theoretical perspectives in curriculum design and development. The course will prepare the candidate to explore and apply research-based best practices in the design of a pedagogically sound, effective curriculum.

CIED 5383 - Pedagogical Theories, Practices, and Child Development

This course explores a variety of theories, brain research, how students learn and types of environments that support child development and learning. The course will also explore the implications for teaching and strategies for employing effective teaching strategies to engage all learners in the PreK-6th grade classroom, taking into account individual development, learning differences, and cultural diversity.

CIED 5403 - Instructional Design and Assessment

This course will prepare students to design appropriate and effective instructional strategies and interventions enabling them to write effective lesson plans, assess and adjust instruction based on learner needs in the PreK-6th grade classroom. The course will prepare students to evaluate how different principles and theories of learning, design and assessment influence outcomes, enabling learners to be engaged and successful.

CIED 5423 - Reading Pedagogy for Pre-Kindergarten to Grade 6

This course will prepare early childhood and elementary educators with pedagogical content knowledge to help their students be successful in reading. The course will cover essential elements of literacy instruction for PK-6 classrooms, including basics of reading block organization; guided reading instruction; selecting appropriate reading materials; administering and analyzing running record assessments; writing instruction, and differentiating for all learners. Students will undertake scholarly activities related to these topics.

CIED 5433 - Classroom Interaction and Discussion

This course focuses on creating a positive PreK-6th classroom culture through understanding the developmental characteristics and needs of children, and the impact of environmental context on learning and development. This also includes classroom management techniques and reframes the notion of classroom management as teaching toward self-regulation and collaboration, within the context of autonomous development. Students will analyze lessons, activities, class structure, classroom management, etc. in order to create a positive, learner-friendly environment that supports learning for all children (Vygotsky Sociocultural Learning Theory).

CIED 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Supervised practical application of previously studied theory. Limited to four semester hours per enrollment.

CIED 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CIED 5920 - 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.

CIED 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Study completed on an individual basis covering material specified by the instructor.

CIED 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

CIED 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

CIED 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Assignments are given and students receive normal letter grades.

CIED 5970 - Study Tour

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.

Graduate Course Descriptions

CRIMINAL JUSTICE (CJ) School of Criminal Justice

CJ 5013 - Juvenile Justice Systems Management And Administration

The juvenile justice system in America will be explored in depth from juvenile intake into the system to final disposition. Juvenile and police relations, the juvenile court process, juvenile law, juvenile rights, and the organizations, management and administration of juvenile bureaus will be covered. Operating juvenile systems will be studied and compared both on a national and international basis.

CJ 5023 - Community Oriented Policing

This course examines police and community collaboration to solve and prevent crime with a focus on police/community relations.

CJ 5033 - 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.

CJ 5043 - 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 process and explore future predictions of crime-solving technology and techniques from a law enforcement perspective.

CJ 5053 - Principles Of Management In Criminal Justice Organizations

Principles of Management in Criminal Justice Organizations is designed to expose students to the various criminal justice management systems utilized by agencies at different governmental levels. Students will examine, in detail, management styles and methodologies found to be effective in dealing with criminal justice personnel and issues.

CJ 5063 - 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.

CJ 5073 - 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.

CJ 5093 - Police Systems Management And Administration

The police process in America will be viewed from a systems approach. Police activity represents only one aspect of the total criminal justice process. Areas to be covered: (1) police systems management and administration, (2) behavioral science application to police management, (3) police management and administration tasks, (4) systems analysis for police, (5) organizational development and managerial functions, and (6) police productivity.

CJ 5113 - Research Methods In Criminal Justice

Research Methods in Criminal Justice is designed to acquaint students with quantitative and qualitative research methodologies, including an in-depth analysis of the following: conceptualization of research, types of sampling strategies, data collection methods, research design and proposal writing. Prerequisite(s): CJ 3643 and (SOC 3633 or CJ 3633) with a minimum grade of "C" or permission of the instructor.

CJ 5123 - The Jury System

This course is designed to provide an in-depth 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 right of an accused during a trial, a brief overview of the appellate court system for criminal cases.

CJ 5133 - Correctional Systems Management & Administration

The correctional process will be viewed from a systems approach since it represents one element in the total criminal justice process. Attention will be given to the correctional process and its relationship to other institutional and organizational elements within the total Criminal Justice system.

CJ 5143 - 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.

CJ 5153 - Research and Planning

This course will examine the development of criminal justice policy and procedures using secondary data analysis, crime mapping, and open source data to establish the criterion for change and allocation of resources.

CJ 5203 - 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): SOC 3633 or CJ 3633.

CJ 5213 - Drug Dependency & 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 prevention/treatment will be included.

CJ 5223 - Design and Analysis in Criminal Justice Research

Design and Analysis in Criminal Justice Research will provide skills needed for advanced research and analysis of data related to crime and intelligence gathering. Mathematical and statistical models will be used to synthesize, evaluate, and determine limitations of data. Additional topics include ethical concerns and computer use in data analysis. Prerequisite(s): CJ 4113 or SOC 4043 or SOC 4773.

Graduate Course Descriptions

CJ 5233 - Writing & Evaluating Research

This course examines advanced principles and procedures of scholarly research in the criminal justice field.

CJ 5243 - Intro to CJ Statistics

Introduction to Criminal Justice Statistics is designed as an introduction to statistics and their application in criminal justice research. The focus of the course is to help students identify and understand how statistics are used to describe data and make inferences about the relations between variables. Students learn descriptive techniques and statistical procedures for decision-making. Prerequisite(s): Enrollment open to Criminal Justice Management & Administration and Crime and Intelligence Analysis majors only.

CJ 5253 - Crime & Intelligence Analysis

Crime and Intelligence Analysis provides the foundational elements of crime and intelligence analysis principles and methods. Through structured analytic techniques, students will apply strategies to collect, collate, analyze, and disseminate criminal and intelligence information to meet the current needs of the law enforcement and intelligence communities. Utilizing expert judgment and intuition, students will learn to challenge their own thinking and rigorously test their conclusions.

CJ 5323 - Victimology

This course is designed to provide a complete and integrated study of victimization, including a comprehensive review of the history and theories of victimology, the interaction of crime victims with others in the criminal justice system, an in-depth examination of diverse types of victimization, an examination of current as well as classical works in the field and a focus on victim services. Prerequisite(s): Graduate standing.

CJ 5333 - Comparative Criminal Justice Systems

Comparative Criminal Justice Systems will review the measure and nature of crime across nations, including law enforcement functions, criminal procedure, courts, sentencing and punishment, juvenile justice, transnational crime, terrorism and assessing the future of transnational crime and justice.

CJ 5353 - Environmental Criminology and Crime Analysis

Environmental Criminology and Crime Analysis involves the study of crime opportunities and criminal events as they relate to environmental design and the formal and informal social control of space. The course will explore the physical and social characteristics of movement paths that bring offenders and victims together. Students will review the main environmental theories including situational crime prevention, routine activities theory, crime prevention through environmental design, and crime pattern theory. Prerequisite(s): (CJ 4043 or CJ 4113) and (CJ 3633 or SOC 3633.)

CJ 5413 - Delinquent Child Law

Delinquent Child Law is an in-depth study of the evolution of the laws affecting juveniles, Oklahoma and federal juvenile statutes, development of the juvenile legal system and processes and legal procedures of juvenile courts in Oklahoma and the United States. Prerequisite(s): Graduate standing.

CJ 5423 - Child Abuse And Neglect Law

This course is designed to give the student an overview of the development of unique terminology, laws, institutions, social service agencies, police units, procedures and courts to protect abused/neglected children in Oklahoma and the United States.

CJ 5433 - 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): CJ 4413, 4423, SOC 4573.

CJ 5443 - 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): CJ 4413, 4423, 4433, SOC 4573.

CJ 5523 - Cyber Crime

This course provides an introduction to the investigation of computer crime and the forensic examination of digital evidence.

CJ 5533 - White Collar Crime

This course emphasizes debates about white collar crime; different types of white collar crimes; theories and explanations of white collar crime; victimization and offender sentencing issues; and difficulties in the criminal justice system response to white collar crimes. Prerequisite(s): CJ 1413 or LS 3113 with a minimum grade of "C". Graduate standing.

CJ 5543 - Technologies in Crime and Intelligence Analysis

Technologies in Crime and Intelligence Analysis explores the analytical procedures, software, and technologies, including Geographic Information Systems (GIS), used at every level of criminal justice. Students will apply current technology to collate, analyze, and disseminate criminal data and intelligence information to meet the current and future needs of the law enforcement and intelligence communities. Prerequisite(s): CJ 4113 or SOC 4043 or SOC 4773.

CJ 5553 - Crime Analysis Fieldwork

Crime Analysis Fieldwork course has two components: work in the field of study and classroom work. Students are required to complete 80 hours of internship service in the discipline in addition to their course requirements. The fieldwork experience demonstrates the practical application of knowledge and skills gained in the Crime and Intelligence Analysis program. The course work consists of weekly class meetings and the following: academic literature reviews, data cleaning and analysis preparation, and creation of an analysis plan utilizing software. Prerequisite(s): CJ 5223. Enrollment open to Crime and Intelligence Analysis majors only.

CJ 5633 - Terrorism & Homeland Security

This course provides an overview of the historical and current context of international and domestic terrorism using a criminological and criminal justice framework.

CJ 5643 - Advanced Crime Theory

This course examines a range of criminological theories pertaining to offending populations and the correlates of crime. Prerequisite(s): SOC 3633 or CJ 3633.

CJ 5663 - Inside-out Prison Exchange

The Inside-Out Prison Exchange is an opportunity for a small group of students from the University of Central Oklahoma and a group of residents of a correctional facility to exchange ideas and perceptions about crime and justice, the criminal justice system, corrections, and imprisonment. It is a chance for all participants to gain a deeper understanding of the criminal justice system through the marriage of theoretical knowledge and practical experience achieved by weekly meetings extended throughout the semester.

Graduate Course Descriptions

CJ 5713 - Community-Based Corrections

Community-Based Corrections is designed to give the student an in-depth overview of probation, parole, halfway houses, work furlough programs and other comprehensive aspects of community-based corrections in Oklahoma and the United States. Prerequisite(s): CJ 3703.

CJ 5723 - Critical Issues In Corrections

Critical Issues in Corrections is designed to give the student a comprehensive survey of the controversial issues in Oklahoma and American corrections, including but not limited to: rehabilitation v. punishment, shaming, electronic monitoring, boot camps, privatization, community supervision v. Incarceration, drug offender incarceration v. treatment, white collar offenders, death penalty for adults and juveniles, coed institutions, incarceration of pregnant women, and other issues in the field of corrections. Prerequisite(s): CJ 3703.

CJ 5813 - 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 within the Oklahoma adult correction system. Prerequisite(s): CJ 4063, 4703, 4723.

CJ 5823 - 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): CJ 4703, 4713, 4723, 4813.

CJ 5833 - Pro-seminar in Criminal Justice

Pro-seminar in Criminal Justice provides an in-depth examination of criminological theories and the relationships between theory and crime. The course will focus primarily on the existing analysis of intelligence and crime data and culminate in a project selected in cooperation with field experts. Prerequisite(s): CJ 5553.

CJ 5900 - Practicum In Criminal Justice

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Supervised practical application of previously studied theory. Limited to four semester hours per enrollment.

CJ 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CJ 5920 - 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.

CJ 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Study completed on an individual basis covering material specified by the instructor.

CJ 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

CJ 5950 - Internship In Criminal Justice

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

CJ 5960 - Institute In Criminal Justice

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Assignments are given and students receive normal letter grades.

CJ 5970 - 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.

CJ 5990 - Thesis In Criminal Justice

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

COMPUTER SCIENCE (CMSC) **Department of Computer Science**

CMSC 5023 - Programming Languages

This course provides a study of the underlying concepts of programming languages such as automata, grammars, translation, bindings, scope, data types, control, sub programming, concurrency, and exception handling. Languages representing contrasting paradigms are studied. Prerequisite(s): CMSC 3613; admission to the graduate program.

CMSC 5033 - Concepts Of Artificial Intelligence

This course covers the basic concepts and techniques of artificial intelligence or intelligent systems. It includes an introduction to some of the software packages that are used to develop expert systems. Other issues of importance in this course are natural language, pattern recognition, search strategies, knowledge representation, and logical inference. Prerequisite(s): CMSC 3613.

CMSC 5043 - Applications Database Systems

This course covers the integration of theory and practice in the use of current database systems and the access of those systems. The course covers the relational and E-R models for database organization. Topics included in the course are query languages (e.g. SQL), database integrity and security, file access methods, query processing, transaction processing, and backup/recovery. Prerequisite(s): CMSC 2613 and MATH 2313 and (STAT 2103 or 2113 or 4113) and graduate standing.

CMSC 5053 - Operating Systems

This course is a study of operating system design and implementation. Topics include process management, memory management, device management, file systems, networking, security, and integrity. Prerequisite(s): CMSC 2613 and (STAT 2103 or STAT 2113 or STAT 4113).

CMSC 5063 - Computer Networks

This course provides an introduction to computer networks with emphasis on the Internet architecture and protocols. Topics include the structure and components of computer networks, layered architectures, medium access control, addressing, circuit-switched and packet switched networks, forwarding, routing, end-to-end data transfer, programming with sockets, application-layer protocols, domain name system, and application architecture. Prerequisite(s): CMSC 2613 and (STAT 2103 or STAT 2113 or STAT 4113).

CMSC 5073 - Translator Design

Translator Design introduces students to the principles, tools and techniques used in designing 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 and graduate standing.

Graduate Course Descriptions

CMSC 5083 - Cybersecurity

This course introduces foundations of cybersecurity. Topics include cyber threats, security principles and goals, security policies and mechanisms, access control, encryption and decryption techniques, cryptographic hash functions, cryptographic protocols and practices, public-key infrastructure, operating systems and software security, and legal and ethical issues in cybersecurity. Prerequisite(s): (STAT 2103 or STAT 2113 or STAT 4113) or CMSC 2613 and graduate standing.

CMSC 5113 - Structured Design

This course covers the elements of a discipline of program and systems design. Emphasis will be placed on the architecture of programs and systems rather than programming. Prerequisite(s): CMSC 3613.

CMSC 5123 - Advanced Microcomputer Applications

This course is a survey of the installation and programming of microcomputers using microcomputer-based operating systems with emphasis on maintaining tree-structured directories, programming batch files, controlling i/o redirection, working with serial and parallel ports, using internal operating system commands and utilities, and installing vendor-provided software.

CMSC 5133 - Theory Of Data Base Systems

This course covers the concepts, principles, implementation practices, and guidelines for the selection and installation of database systems. Topics include choosing a dictionary, the relational approach, the hierarchical approach, and the network approach. There will be some discussion of security and integrity comparison. Prerequisite(s): CMSC 4003 or CMSC 5043.

CMSC 5143- Algorithms for Machine Learning

Machine learning is concerned with the question of how to construct computer programs that automatically improve their performance through experience. This course provides an in-depth study of modern algorithms for machine learning, such as supervised learning, unsupervised learning, and reinforcement learning. Python is the programming language used in the course. Prerequisite(s): CMSC 3613.

CMSC 5163 - Secure System Administration

This course introduces the essential knowledge and skill sets for secure system administration. Students will learn and practice hands-on system administration techniques to operate a system with script languages in a command-line interface for efficient and automated management. This course teaches the script languages for Linux and Windows operating systems, shells, editors, and system analysis and automation tools. Also, students will learn the essential concepts, components, and terminologies used in policy, regulation, and risk management. Prerequisite(s): CMSC 2613 and (STAT 2103 or STAT 2113 or STAT 4113).

CMSC 5193 - Introduction to Robotics

This course discusses the programming of mobile robots. It includes applications of robots, sensors, actuators, types of locomotion, robotic programming (including multi-threaded programming, behavior-based arbitrator programming, and the hybrid deliberative/reactive model) and simultaneous location and mapping (SLAM). Prerequisite(s): CMSC 3613.

CMSC 5213 - Front End Web Programming

In this course, students will learn how to create interactive webpages using a common programming language. Topics include how to use HTML elements and CSS properties to create static webpages and how to add dynamic interactions with clients to the static webpages, which enables live updates of the webpages in browsers. This course also includes how to apply the design concepts of front-end web programming in creating webpages.

CMSC 5223 - Cyber Infrastructure and Cloud Computing

This course introduces the key enabling technologies of cloud computing, the stack of cloud service models, and the design of cloud-based applications. Some hands-on studies over prevailing cloud services are provided to illustrate the common components, interfaces and practices for resource management and application development at scale. Prerequisite(s): CMSC 2613 and (STAT 2103 or STAT 2113 or STAT 4113 or ENGR 3303).

CMSC 5243 - 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 4133 or 5033.

CMSC 5273 - 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 with a minimum grade of "C".

CMSC 5283 - Software Engineering I

This course covers the application of engineering and management disciplines to computer software projects. Topics discussed are the software lifecycle, CASE tools, requirement engineering, software models and architectures, software design and development, testing and validation, maintenance and evolution, project organization, management and cost estimation, and software quality assurance and risk analysis. Prerequisite(s): SE 3103 and MATH 2313 and (STAT 2103 or 2113 or 4113).

CMSC 5303 - Mobile Application Programming

The theory and practice of mobile application programming are studied, which includes the study of mobile computing platforms, mobile user interfaces, animation, graphics, and the use of the media framework and telephony APIs. Extensive practice on a specific mobile development platform is included. Prerequisite(s): CMSC 3103 or SE 3103 and graduate standing.

CMSC 5313 - Internet of Things

In this course, we will study the 'things' that make up the Internet of Things (IoT). The topics cover all aspects of the IoT with emphasis on the networking of IoT devices, the use of a cloud platform to collect and analyze large sets of data generated by IoT devices, and the security and privacy issues surrounding the IoT. In the term project, students will design and develop new IoT applications. Prerequisite(s): CMSC 3613 and SE 3103.

CMSC 5323 - Network Security

This course covers network security policy, packet filtering, firewalls, port scanning, intrusion detection and prevention systems, virtual private networks, DNS security, host hardening, network monitoring, network incident response, and log analysis. Prerequisite(s): ((CMSC 4063 or CMSC 5063) and (CMSC 4083 or CMSC 5083)) or with instructor permission.

Graduate Course Descriptions

CMSC 5333 - Incident Analysis and Response I

This course introduces the core knowledge and skill sets for incident response, system analysis, and security controls. Students will learn hands-on techniques to investigate the symptoms of attacks and perform comprehensive analysis to discover the details of attack damages and recover/protect the systems from future attacks. Also, students will become familiar with core security concepts for incident analysis and response such as vulnerabilities, cyber kill chain, threat intelligence, and indicators of compromise (IOC). Prerequisite(s): (CMSC 4063 or 5063) and (CMSC 4083 or 5083) and (CMSC 4163 or 5163) or with instructor permission.

CMSC 5343 - Cyber Operations

This course introduces the core techniques and hands-on experiences in software security and cyber operations. Students will learn what are vulnerable and secure code patterns, and vulnerability types such as CWE (Common Weakness Enumeration) and CVE (Common Vulnerabilities Exposures). Based on that, they will practice secure coding and discover various vulnerabilities from real-world code. Furthermore, students will learn security frameworks for vulnerability testing. Prerequisite(s): (CMSC 4153 or 5053) and (CMSC 4063 or 5063) and (CMSC 4083 or 5083) and (CMSC 4163 or 5163) or with instructor permission.

CMSC 5353 - Incident Analysis and Response II

This course introduces advanced incident response based on real case studies, literature surveys, and research exploration. Students will analyze the components of data breach cases and understand attack details. Also, this course introduces advanced topics of incident response based on indicator of compromise (IOC), knowledge base of tactics such as MITRE ATT&CK and system hardening. Prerequisite(s): CMSC 4333 or 5333.

CMSC 5373 - Cloud Web Apps Development

This course covers development of front-end and back-end web applications on a cloud computing platform. Emphasis will be placed on the application of cloud database, cloud storage, and cloud functions. Extensive practice on the security rules in protecting data and the deployment of web applications on a serverless cloud platform is included. Prerequisite(s): SE 3103.

CMSC 5401 - Ethics in Computing

Ethics in Computing is a study of social, ethical, and professional issues related to computing. Prerequisite(s): CMSC 2613 and (STAT 2103 or STAT 2113 or STAT 4413).

CMSC 5423 - Software Engineering II

This course covers all aspects of software engineering with emphasis on requirements elicitation and analysis, software verification and validation, and project management. Prerequisite(s): CMSC 4283 or SE 4283 or CMSC 5283.

CMSC 5433 - Software Architecture & Design

This course covers software design with emphasis on architectural design, reuse of software architectures, and patterns. Prerequisite(s): CMSC 4283 or SE 4283 or CMSC 5283.

CMSC 5613 - Algorithm Design and Implementation

This course provides a study of common algorithms for problem solving in computer applications. Algorithm design and implementation techniques, such as exhaustive search, divide-and-conquer, greedy approach, and dynamic programming, will be covered in the course. Prerequisite(s): CMSC 3613

CMSC 5900 - Practicum In Computing Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CMSC 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CMSC 5920 - Workshop in Computer Sci

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.

CMSC 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor.

CMSC 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

CMSC 5950 - Internship in Computer Science

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

CMSC 5960 - 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): Permission of instructor.

CMSC 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

CMSC 5980 - Graduate Project

A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. Prerequisite(s): Permission of instructor.

CMSC 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor.

CREATIVE STUDIES (CSDY) Department of English

CSDY 5013 - Foundations Creative Writing

Foundations of Creative Writing provides students with the academic, creative, and professional skills necessary to succeed as graduate students in creative writing and as professional creative writers. Topics covered in this course include techniques and methodologies of criticism and research; strategies for editing and marketing creative work in professional venues; and approaches to creative writing pedagogy.

CSDY 5113 - Pub Pro: Editing & Marketing

Publication Procedures: Editing and Marketing presents techniques for revising and editing creative work for publication and strategies for marketing this work. Over the course of the semester, students edit and revise their own work and report on the literary magazine, online literary, and book publishing markets. This course also covers the fundamentals of professional development, allowing students to prepare the necessary materials for both job searches and searches for agents and publishers.

CSDY 5273 - Seminar in Novel Writing

Seminar in Novel Writing provides advanced instruction in the craft of writing a novel intended for publication through the study of published novels and workshop-style critique of student-generated novel installments. This course may be taken a maximum of three times.

Graduate Course Descriptions

CSDY 5313 - Writing Mystery/Adventure

Writing Mystery and Adventure requires students to read popular and classic Mystery/Adventure stories and write creatively in both genres. Students will research and compare historical and contemporary works and prepare a scholarly paper analyzing additional works of a contemporary author.

CSDY 5353 - Seminar in Poetry Writing

Seminar in Poetry Writing requires students to write publication-quality poetry in free verse and translational forms. It may be taken up to three times.

CSDY 5413 - 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.

CSDY 5423 - Writing Comedy and Satire

Writing Comedy and Satire provides students with a comprehensive overview of contemporary comic and satiric writing. Students enrolled in this course will read contemporary comic and satiric literature, will study and practice the techniques of effective comic and satiric writing, and will produce original comic and satiric works in a variety of genres.

CSDY 5513 - Playwriting

Playwriting requires students to read popular play scripts, view live play productions, and write creatively in the dramatic genre.

CSDY 5523 - Screenwriting

Screenwriting requires students to read contemporary screenplays, view popular movies, and write creatively in the screenplay genre.

CSDY 5533 - Writing For Television

Writing for Television requires students to read television scripts, view and analyze television shows, and writing creatively in the television genre.

CSDY 5583 - Writing SciFi/Fantasy

Writing Science Fiction and Fantasy is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of the history, composition, revision and marketing of works of science fiction and fantasy literature.

CSDY 5723 - Writing Comic Books and Graphic Novels

Writing Comic Books and Graphic Novels is an intensive, workshop-based creative writing course that provide students with a comprehensive overview of all aspects of the history, composition, revision, and marketing of comic books and graphic novels. This course may be taken three times for credit.

CSDY 5753 - Publishing & Editing

Publishing and Editing affords students a real-world opportunity to learn strategies and techniques for soliciting manuscripts, judging submissions, selecting, editing, negotiating editor-author relations, designing, laying out, proofing, advertising promoting, and distributing academic and/or literary journals. This course is cross-listed with ENG 5753. The course, "Publishing and Editing" may be taken a maximum of two times for credit, whether taken under ENG, CSDY or a combination.

CSDY 5900 - Practicum In Creative Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CSDY 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

CSDY 5920 - 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.

CSDY 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans: conferences, oral and written reports.

CSDY 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

CSDY 5950 - Internship In Creative Studies

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

CSDY 5960 - Institute In Creative Studies

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CSDY 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

CSDY 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

CAREER, TECHNOLOGY, & WORKFORCE DEVELOPMENT (CTWD)

Department of Adult Education & Safety Sciences

CTWD 5082 - Managing Student Organizations

This course is designed to give the student an understanding of student organizations on the local, state and national levels. Areas studied are how to plan and supervise activities, guide participation, coordinate fundraising activities, promote community involvement, and prepare members in those organizations for leadership roles.

CTWD 5213 - History & Philosophy of CTWD

This course examines the history and philosophies associated with the CTWD in the United States and Oklahoma, and the theories that have helped develop the ideology.

CTWD 5253 - Management of Learning Spaces

This course focuses on the principles, philosophies, and rationale of management, safety, and organization of learning spaces and activities in order to provide effective instruction for a positive environment.

CTWD 5303 - Workforce Education

This course provides the student with an overview of workforce education and workforce development. Included will be areas such as what a productive workforce is, necessary skillsets for productive employees to meet the needs of the workplace, and the necessity of investments in life-long learning that will foster economic development.

CTWD 5352 - Accommodating Special Needs Students

This course will provide the participant with an explanation of the occupational instructor's roles and responsibilities in special education students' Individualized Education Programs (IEP). In addition, a discussion of the "how-to" for accommodating instruction, media, materials, equipment, work stations and facilities will be provided. Finally, securing work-site learning opportunities and job placement strategies will be discussed. Prerequisite(s): OCTE 4253.

Graduate Course Descriptions

CTWD 5613 - 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.

CTWD 5622 - Integration & Transition Opportunities

This course is designed to assist occupational and technical educators to integrate academics and to implement education-to-employment activities into their programs. It explains legislation, outlines employers' entry-level worker goals, reviews education-to-employment experiences at various grade levels, and offers strategies for integrating more academics into vocational programs. Prerequisite(s): OCTE 3023.

CTWD 5631 - Legal and Professional Issues

This course provides an examination of legal and professional issues facing contemporary Career, Technical, and Workforce Development teacher/trainer.

CTWD 5663 - Career Tech Finance

This course presents concepts and bases for funding public career and technology educational programs. Participants in the course will analyze funding sources, processes, distributions, and accountabilities as well as identify accounting practices and requirements.

CTWD 5853 - Instructional Strategies

This course will focus on the strategies, methods and techniques for effective instruction in teaching and training settings.

CTWD 5900 - Practicum in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5910 - Seminar/Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5920 - Workshop in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given.

CTWD 5930 - Individual Study in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5940 - Field Study in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5950 - Internship in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5960 - Institute in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5970 - Study Tour in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5980 - Graduate Project in CTWD

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CTWD 5990 - Thesis in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DANCE (DANC) Department of Dance

DANC 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DANC 5940 - Field Study in Dance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

DANC 5960 - Institute In Dance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DESIGN (DES) School of Design

DES 5043 - Design Theory

Taken in the first semester, this course helps students identify important aspects of the current design landscape. The subject matter provides students with the analytical tools needed to investigate the theoretical framework underlying contemporary design. Works by important design theorists and critics will be studied in order to identify methodological approaches and develop analytical skills. Students will pursue a reflective and philosophical interpretation of contemporary visual communication. Prerequisite(s): Concurrent enrollment in DES 5206 or DES 5156 is required. Permission of the MFA in Design and Illustration division head is required. Enrollment open to graduate Design and Illustration majors only.

DES 5113 - 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. The student will present a major project in historical research to the Design Graduate Committee for review, guidance, and evaluation. Prerequisite(s): Permission of instructor.

DES 5123 - 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 WWI (1945) including art and design movements, styles, furniture, artists, and designers. The student will present a major project in historical research to the Design Graduate Committee for review. Prerequisite(s): Permission of the instructor. Enrollment open to design majors only.

DES 5133 - 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, furniture, artists, and designers. The student will present a major project in historical research to the Design Graduate Committee for review. Prerequisite(s): Permission of the instructor. Enrollment open to design majors only.

DES 5143 - History of Illustration

This course is a survey of the development of the history of illustration from the Victorian era to the present. This course covers the development of illustration from a commercial to editorial standpoint in addition to the discussion of prominent illustrators and illustration styles past and present. Prerequisite(s): Permission of the MFA in Illustration program director is required. Enrollment open to graduate Illustration majors only.

Graduate Course Descriptions

DES 5163 - Business of Design and Illustration

This course is an introduction to the entrepreneurial aspects of design and illustration. This workshop-style course introduces fundamental concepts of the business of design including business plan development, legal structures, financial statements, pricing, marketing and sales. The course will focus on the needs of freelance designers, independent illustrators, and small design studios. Prerequisite(s): Permission of the MFA in Illustration and Design program director is required.

DES 5206 - Graduate Illustration I

This course is an introductory graduate course in the materials, methodologies, and general concepts used in illustration practice. Prerequisite(s): Concurrent enrollment in DES 5043 is required. Permission of the MFA in Illustration program director is required. Enrollment open to graduate Illustration majors only.

DES 5286 - Design Studio IV

This course provides a focused study in research and/or creative problem-solving techniques, the application of principles, philosophies, materials, and production of design. The coursework may include work that contributes to a student's final thesis or body of work. The student will present research, project, and solutions to the Design Graduate Committee for review, guidance, and evaluation.

DES 5156 - Design Studio I

This course provides a study in the application of principles, philosophies, materials, and production of design. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. Prerequisite(s): Permission of graduate program advisor. Enrollment open to graduate design majors only.

DES 5306 - Graduate Illustration II

This graduate studio course will focus on accurately portraying the physical structure of the human form. Students will work to produce illustrations with greater integrity of form, fluidity of movement, and accuracy of weight distribution in the figure. Prerequisite(s): DES 5206. Concurrent enrollment in DES 5383 is required. Permission of the MFA in Illustration program director is required. Enrollment is open to graduate Illustration majors only.

DES 5313 - Typography Studio

This course provides advanced study in the application of principles, philosophies, materials, and production of typographic design. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated for credit. Prerequisite(s): Permission of Graduate Advisor. Enrollment is open to Graphic Design majors only.

DES 5383 - Thesis Development

This course helps students develop the conceptual framework for their thesis research. Taken in the second semester of their degree program, this course is intended to facilitate the transition from the pursuit of technical expertise into the pursuit of a range of research strategies that will support further thesis efforts. Each student is expected to consider theoretical perspectives covered in their first semester; however, the student will focus on their unique point of view to identify goals for their research and develop a preliminary proposal. Prerequisite(s): Concurrent enrollment in DES 5206 or DES 5186 is required. Permission of the MFA in Design and Illustration division head is required. Enrollment open to graduate Design and Illustration majors only.

DES 5186 - Design Studio II

This course provides an advanced study in creative problem-solving techniques, the application of principles, philosophies, materials, and production of design. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. Prerequisite(s): DES 5156. Enrollment open to graduate design majors only.

DES 5406 - Graduate Illustration III

This graduate studio course will focus on the development of a personal visual language. Students will begin to explore and develop a body of work in preparation for their thesis exhibition. Prerequisite(s): DES 5306. Concurrent enrollment in DES 5673 is required. Permission of the MFA in Illustration program director is required. Enrollment is open to graduate Illustration majors only.

DES 5423 - Computer Graphics Studio

This course provides advanced study in the application of principles, philosophies, materials, and production of computer graphics. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated two times for credit. Prerequisite(s): Permission of instructor.

DES 5433 - Design and Illustration Practice

This course puts general and theoretical concepts covered in the business of design and illustration into practice. The primary objective of this course is assisting students in identifying appropriate targets for their work; however, graduate peers and the instructor will also provide guidance in the development of designs or illustrations for that target. Students are required to apply for and obtain a design or illustration commission in the public or commercial sphere to be completed before graduation. Prerequisite(s): Concurrent enrollment in DES 5506 or DES 5286 is required. Permission of the MFA Design and Illustration program director is required. Enrollment is open to graduate Design and Illustration majors only.

DES 5443 - Illustration Studio

This course provides advanced study in the application, of principles, philosophies, materials, and production of illustration. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated two times for credit. Prerequisite(s): Permission of instructor.

DES 5483 - ClockTower Studio

This course is a working design studio managed and staffed by graphic design majors who work with campus and community clients, printers, and a team of designers. Students make formal presentations of concept proposals and solutions to the client for approval. This course may be repeated two times for credit. Prerequisite(s): Permission of instructor.

DES 5493 - Design Research Methods

In this course, students conduct quantitative and quantitative academic and body-of-work research strategies in the discipline of design. They will also develop a proposal for a prospective design project or research topic. Prerequisite(s): Enrollment open to graduate design majors only.

DES 5506 - Graduate Illustration IV

This graduate studio course will focus on refining the student's personal visual language. Students will continue to develop a body of work in preparation for their thesis exhibition. Prerequisite(s): DES 5406. Concurrent enrollment in, DES 5433, DES 5723, and DES 5823 are required. Permission of the MFA in Illustration program director is required. Enrollment is open to graduate Illustration majors only.

Graduate Course Descriptions

DES 5513 - History of Interior Design I

This course is a survey of the development of the history of art and interior design from antiquity through the Renaissance including design movements, styles, furniture, artists, and designers. The student will present a major project in historical research to the Design Graduate Committee for review, guidance, and evaluation. Prerequisite(s): Permission of instructor.

DES 5523 - History of Interior Design II

This course is a survey of the development of the history of art and interior design from the Renaissance to 1900 including design movements, styles, furniture, artists, and designers. The student will present a major project in historical research in the Design Graduate Committee for review, guidance, and evaluation. Prerequisite(s): Permission of instructor.

DES 5553 - History of Interior Design III

This course is a survey of the development of the history of art and interior design from 1900 to present including design movements, styles, furniture, artists, and designers. The student will present a major project in historical research to the Design Graduate Committee for review, guidance, and evaluation. Prerequisite(s): Permission of instructor.

DES 5246 - Design Studio III

This course provides a specialized study in research and/or creative problem-solving techniques, the application of principles, philosophies, materials, and production of design. This coursework may include work that contributes to a student's final thesis or body of work. The student will present research, projects and solutions to the Design and Graduate Committee for review, guidance, and evaluation. Prerequisite(s): DES 5156 and DES 5186. Enrollment open to graduate design majors only.

DES 5633 - Visualization Studio

This course provides advanced study in the application of principles, philosophies, materials, and production of computer drafting. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated two times for credit. Prerequisite(s): Permission of instructor.

DES 5673 - Criticism Seminar

This course merges theory and practice into a personalized approach to contemporary design and illustration. The seminar format provides a forum for students to investigate and define current trends in design and illustration as well as to discuss technical and theoretical aspects of historical design and illustration. Through this process, each student will refine their approach to design or illustration creation as well as their interpretation of the work of others. Prerequisite(s): Permission of the MFA in Design and Illustration program director is required. Enrollment is open to graduate Design and Illustration majors only.

DES 5723 - Portfolio Development

Taken during the final semester of the graduate degree program, this course will assist the student in developing job prospects, producing a resume, identifying strategies for self-promotion, and presenting a portfolio in person as well as online. Prerequisite(s): Concurrent enrollment in DES 5823 and DES 5506 or DES 5286 are required. Permission of the MFA Design and Illustration division head is required. Enrollment is open to graduate Design and Illustration majors only.

DES 5733 - Furniture Design Studio

This course provides advanced study in the application of principles, philosophies, materials, and production of furniture design. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated for credit. Prerequisite(s): Permission of instructor.

DES 5753 - Sustainable Design Studio

This course provides advanced study in the application of principles, philosophies, materials, and production of sustainable design. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated two times for credit. Prerequisite(s): Permission of instructor.

DES 5773 - Charles Evans Studio

This course is a working design studio managed and staffed by interior design majors who work with campus and community clients, vendors, and a team of designers. Students make formal presentations of concept proposals and solutions to the client for approval. This course may be repeated two times for credit. Prerequisite(s): Permission of instructor.

DES 5823 - Thesis Exhibition

This course focuses on the exhibition design, project management, and public presentation of a final body of work showing professional competence in accordance with a practice-based Master of Fine Arts in Design or Illustration degree. The body of work will also be documented with a written thesis statement including research, images of designs or individual illustrations, and the thesis exhibition. Prerequisite(s): Concurrent enrollment in DES 5723 and DES 5506 or DES 5286 are required. Permission of the MFA Design and Illustration program director is required. Enrollment is open to graduate Design and Illustration majors only.

DES 5843 - Teaching Design

This course provides the MFA Design student with the information and skills in studio teaching methodology, vocabulary, student evaluation, development of design projects, and course administration procedures to effectively teach a studio course in design. This course may be repeated for credit. Prerequisite(s): Permission of Graduate Advisor.

DES 5900 - Practicum In Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 5910 - Seminar / Special Topics

Credit varies from 1 to 4 hours. Directed intensive study on selected problems of special topics.

DES 5920 - Workshop in Design

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.

DES 5930 - Individual Study In Design

Credit varies from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines of plan; conferences, oral and written reports.

DES 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

DES 5950 - Internship In Design

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

DES 5960 - Institute In Design

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

DES 5970 - Study Tour In Design

Credit will vary. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

DES 5990 - Thesis In Design

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

EDUCATIONAL ADMINISTRATION (EADM)

Donna Nigh Department of Advanced Professional & Special Services

EADM 5353 - Technology for School Admin

This course is designed to provide an overview of software, hardware, and networking used in the management of schools with an emphasis on scheduling, record keeping and decision making. The course will include presentation software usage and technology issues such as planning, purchasing and leadership.

EADM 5363 - School Building And Grounds

This course is designed to give the prospective administrators the necessary abilities to administer the school plant services. Capital improvement, contracting, site selection, and school building construction will be a vital part of the course. Prerequisite(s): EADM 5543.

EADM 5453 - Interpersonal Relations In School Administration

The purpose of this course will be to help prospective administrators in the development of their human relations skills which broadly includes development in interpersonal relationships and group process skills. Prerequisite(s): Admission to Education Administration and EADM 5543.

EADM 5543 - Fundamentals Of Public School Administration

Basic principles and practices in modern school administration.

EADM 5553 - Legal Aspects School Administration

This course is designed to give the student some knowledge of the general principles of school law. Consideration will be given to an understanding of the legal implications of the operation and administration of a public school system, school law as it relates to the state of Oklahoma, the state board of education, and the attorney general will be considered. Prerequisite(s): EADM 5543.

EADM 5583 - Public School Finance

Sources of school finance, control of expenditures, general principles of financial administration. Prerequisite(s): Admission to Education Administration and EADM 5543.

EADM 5623 - Supervision/Evaluation Of Instruction

The course will prepare school leaders to supervise and evaluate instructional programs, personnel, and curricular programs in public schools. Additionally, this course will examine the better practices in classroom supervision, the perspectives for supervision, and the foundations of supervisory leadership. Prerequisite(s): EADM 5543 AND 5553.

EADM 5673 - School Personnel Administration

A study of current personnel policies and practices that affect both certified and non-certified staff members. Prerequisite(s): EADM 5543 and admission to Education Administration.

EADM 5683 - Curriculum Leadership

This course will emphasize the supervision and evaluation of curriculum in public school systems. Additionally, it will include a study of current and instructional programs which require a principal's support, guidance, and leadership as school personnel work to improve and enhance the delivery of the school's curriculum. Prerequisite(s): EADM 5543, 5013, and admission to the School Administration program.

EADM 5713 - School District Direction Setting

School District Direction Setting is grounded Educational Leadership Constituent Council (ELCC) standard #1, and addresses the role of the school superintendent in promoting the success of all students by setting a direction for the district including the task of working with various stakeholders to develop a vision, mission and goals for the organization. Prerequisite(s): PTE 5013, 5153, EADM 5353, 5453, 5543, 5553, 5583, 5623, 5673, 5683 and 5814.

EADM 5723 - School District Instructional Planning

School District Instructional Planning is grounded in Educational Leadership Constituent Council standard #2, and addresses the role of the school superintendent as instructional leader in promoting the success of all students including the tasks of promoting a positive school culture, providing an effective instructional program, applying best practice to student learning, and designing comprehensive professional growth plans for staff. Prerequisite(s): PTE 5013, 5153, EADM 5353, 5453, 5543, 5553, 5583, 5623, 5673, 5683, 5814.

EADM 5733 - School District Organization Management

School District Organizational Management is grounded in Educational Leadership Constituent Council standard #3, and addresses the role of the school superintendent in promoting the success of all students by managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment. Prerequisite(s): PTE 5013, 5153, EADM 5353, 5453, 5543, 5553, 5583, 5623, 5673, 5683, 5814.

EADM 5743 - School District Community Collab

School District Community Collaboration is grounded in Educational Leadership Constituent Council standard #4, and addresses the role of the school superintendent in promoting the success of all students by collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources. Prerequisite(s): PTE 5013, 5153, EADM 5353, 5453, 5543, 5553, 5583, 5623, 5673, 5683, 5814.

EADM 5753 - School District Ethics, Influence and Politics

School District Ethics, Influence and Politics is grounded in Educational Leadership Constituent Council standard #5 and #6, and addresses the role of the school superintendent in promoting the success of all students by acting with integrity, fairly, and in an ethical manner and by understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context. Prerequisite(s): PTE 5013, 5153, EADM 5353, 5453, 5543, 5553, 5583, 5623, 5673, 5683, 5814.

EADM 5814 - Principalship/Internship

A course designed to develop in school administrators the skills and competencies needed to provide leadership and direction necessary to carry out a school system's purposes, programs, policies, procedures, regulations, and agreements as they relate to the operation of the school. (K-12) Prerequisite(s): All courses contained in the required Master's Program.

EADM 5900 - Practicum In Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

EADM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): EADM 5543, and admission to the School Administration program.

Graduate Course Descriptions

EADM 5920 - 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.

EADM 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

EADM 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Prerequisite(s): EADM 5543, and admission to the School Administration program.

EADM 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

EADM 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

EADM 5970 - Study Tour

Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

EADM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

EARLY CHILDHOOD EDUCATION (ECED) Department of Curriculum and Instruction

ECED 5042 - Empowerment Of Families/Communities

This course focuses on the critical impact of the family- school-community partnership on the educational progress of children. Theoretical perspectives on family and socio-cultural dynamics, research-based rationales for school and family engagement, and parent education will be emphasized. In addition, students will analyze effective leadership traits and assess their own unique leadership potential to empower families and communities. Prerequisite(s): Graduate standing or permission of instructor.

ECED 5063 - Development, Learning, & Family Involvement Through Age 3

This course addresses: developmental characteristics of the child from prenatal life through age three; developmentally appropriate environments and experiences that promote learning for this age child; and the utilization of this knowledge to educate and involve all families in their children's development and learning. Research on brain development, the impact of the early years on development and learning, guidance, and educational strategies are emphasized. A field component is included. Prerequisite(s): Graduate standing or permission of instructor.

ECED 5073 - 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 5082 - Parent Education III

(Cognitive and moral development, age five through age eight) An in-depth study of the cognitive and moral development of the child from age five to age eight. It is designed for teachers and others in the helping professions that deal with children and their parents. The course includes examination of appropriate home learning-play activities that will promote and reinforce beginning reading, math, and the development of logical thought.

ECED 5103 - Development, Learning, & Family Involvement: The Child from 4 to 8

This course is an in-depth study of the development and learning of the young child from four to eight years of age. It includes analyses of the multiple influences on development and learning as well as developmentally appropriate environments and experiences that promote learning for children in this age range. The utilization of this knowledge to create healthy, respectful, supportive, and challenging learning environments and to educate and involve all families in their children's development and learning is emphasized. Prerequisite(s): Graduate standing or permission of instructor.

ECED 5153 - Development Assessment Issues ECED

Graduate students will study assessment issues currently impacting young children and their families birth to age eight. There is an emphasis on creating an authentic assessment system to use with a classroom of young children. A research component is included in the course.

ECED 5223 - Educational Practices/Constructivist Techniques

This course will provide an in-depth study of the constructivist psychology of learning. Emphasis will be on materials, classroom management, and curricular application commensurate with the theory of constructivism.

ECED 5232 - Affirming Diversity: Multicultural Education

A study of the needs of culturally diverse children, the factors of influence that characterize their environment, and an intensive examination of realistic approaches by parents, school and community to aid them in reaching their maximal potential in America's highly urbanized, technological society. The focus of the course content will be to affirm and respect culturally and linguistically diverse children, support home language preservation, and promote anti-bias approaches through the creation of appropriate learning environments and experiences.

ECED 5322 - Creativity & the Arts Early Childhood Education

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 5332 - Science in Early Childhood

This course focuses on the application of cognitive development and the constructivist theories in the selection of appropriate methods, materials, and learning experiences for preschool and primary-age children in Science.

ECED 5342 - Social Studies in Early Childhood

This course focuses on the application of cognitive development and the constructivist theories in the selection of appropriate methods, materials, and learning experiences for preschool and primary-age children in Social Studies.

Graduate Course Descriptions

ECED 5422 - 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.

ECED 5433 - Theoretical Perspective Learning & Practice

This course focuses on the critical analysis of current research and theory from multiple disciplines in regard to learning and development and the implications for practice in early childhood settings. Play as a learning medium is emphasized. Students will engage in self-reflection and self-assessment as a means to examine professional practice and promote growth and development.

ECED 5512 - Public Policy: Young Children and Their Families

This course examines the professional landscape of the early childhood educator, including the knowledge and use of ethical guidelines and other professional standards related to early childhood practice. Special emphasis is placed on the various ways they can serve as advocates for young children and their families. Communication skills, as well as skills in identifying and using professional resources, are included. It is recommended that this course be taken at the beginning of the ECED Master's Program.

ECED 5883 - Teachers as Researchers

This course examines action research, an approach to research involving self-reflective, systematic inquiry by education practitioners for the purpose of studying and improving their own practice. Identification of problems to investigate, research design, data collection, data analysis, data interpretation and technical writing are presented. The ethics of action research with human subjects is addressed. Students plan and implement a practice-based action research project and report on the outcomes of their study. Students writing a thesis will complete the thesis proposal in place of the action research. Prerequisite(s): PTE 5013. Enrollment open to graduate students with 19 or more hours.

ECED 5900 - Practicum

Credit may vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECED 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

ECED 5920 - 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.

ECED 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

ECED 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ECED 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

ECED 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ECED 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ECED 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ECONOMICS (ECON)

Department of Economics & International Business

ECON 5103 - Microeconomic Analysis

Use of economic theory and analysis in the solution of business and public policy problems using demand and cost estimation and analysis, economic forecasting, and cost/benefit analysis. Investigation of various forms of competitive and non-competitive behavior. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5203 - Economic Growth & Development

A comprehensive study of the economic growth and development process in developing countries, including development strategies, industrialization, technical change, income distribution, migration, savings mobilization and investment and trade policies. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5303 - Quantitative Economics

The use of mathematical techniques in the development and verification of economic theory and economic models, including static (equilibrium) analysis, linear models, comparative static analysis, optimization techniques, and dynamic analysis. Prerequisite(s): Completed all prerequisites for the MBA Program with a minimum grade: C.

ECON 5323 - Policy Analysis

A comprehensive exposure to analytical tools used in evaluating investments, projects, and policies, with specific applications to federal, state, and local government policies and projects. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5333 - Urban Economics

A comprehensive study of the history, origin and evolution of cities, including an analysis of urban land use, public finance, transportation, pollution, crime, poverty, housing, and economic development issues. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5343 - Economic Analysis Of Law

An advanced investigation of the underlying economic basis of common law including the economics of property, contract, tort, criminal and family law. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5353 - Economics Of Education

An advanced study 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): Completed all prerequisites for the MBA Program.

ECON 5363 - Market Structure/Regulation/Antitrust

Use of theory, case studies and legal precedents to investigate 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): Completed all prerequisites for the MBA Program.

Graduate Course Descriptions

ECON 5373 - Health Care Economics

A comprehensive examination of health care markets through the analysis of market incentives and behavior of demanders and providers. Characteristics that prevent market forces from generating socially desirable outcomes are analyzed, including imperfect information, uncertainty, and externalities, as well as the inherent conflict arising from the desire to assure "equal access" for all individuals despite divergent incomes. Government interventions are examined and critiqued using economic theory. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5403 - International Economics

A comprehensive 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): Completed all prerequisites for the MBA Program.

ECON 5453 - Advanced Business Statistics

General linear models for estimating and testing, problem analysis, and interpretations of various statistical models. The topics treated include general linear and nonlinear regression models in matrix terms, inferences in regression analysis, multivariate analysis, analysis of covariance, discriminate analysis, analysis of categorical data, the Box-Jenkins approach to forecasting, and some topics in sampling techniques. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5483 - Microeconomic Theory

Advanced analysis of the theories of demand, supply production, cost, the firm, and market organizations. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5503 - Macroeconomics Analysis

A theoretical and applied analysis of national income, employment, interest rates, economic growth, exchange rates, fiscal and monetary policy, supply shock, and related topics, with emphasis on the impact of macroeconomic forces on the business community. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5523 - Policy Issues In Labor Economics

Applies labor economic theory and economic tools to the analysis of contemporary public policy issues in labor economics. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5603 - Comparative Economic Systems

A comprehensive 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 economies in transition. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5893 - Applied Research & Analysis Tools

Provides the applied knowledge, advanced technical and library skills, and hands-on experience necessary for performing economic research and analysis. Prerequisite(s): Completed all prerequisites for the MBA Program.

ECON 5900 - Practicum In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 5920 - Workshop in Economics

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.

ECON 5930 - Individual Study In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 5940 - Field Study In Economics

Credit will vary from 1 to 9 hours. Subject matter will vary within the Department's field of study.

ECON 5950 - Internship In Economics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

ECON 5960 - Institute In Economics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ECON 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ECON 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ELEMENTARY EDUCATION (ELED)

Department of Curriculum and Instruction

ELED 5063 - Teaching Reading in the Primary Grades

This course includes a study of theory, research, and related instructional strategies and curriculum materials applicable to the teaching of reading in the primary grade. Topics will include research-based approaches to reading instruction incorporating principles for effective teaching; essential skills which include phonological system, syntactical system, and pragmatic system. The knowledge base will be enhanced through modeling and a limited field experience. Prerequisite(s): Enrollment open to Early Childhood Education, Elementary Education, Reading and Special Education majors only.

ELED 5173 - Teaching Reading Inter/Middle School

This course expands upon the basic reading skills utilizing a wide variety of strategies and materials appropriate for use in grades 4-8. The course emphasizes comprehension, vocabulary development, content area reading, expository tests, study skills, thinking skills, contextual analysis skills and technology in reading as well as content area readings. The knowledge base will be enhanced through modeling and a limited field experience. Prerequisite(s): ELED 5063 and admission to Teacher Education. Enrollment open to Elementary Education, Reading and Special Education majors only.

ELED 5223 - Literature-Based Language Arts Instruction

Through the use of quality children's literature, focus of this course seeks to enable teachers and other school personnel to enhance elementary and middle school students' performance in language arts, particularly listening, speaking, and writing. Prerequisite(s): ELED 4213 - Teaching Language Arts in Elementary/Middle School Grades.

ELED 5253 - STEM Teaching & Learning Grades 1-8

A study of instructional methods for teaching life, earth-space and physical science and engineering concepts. Emphasis is placed on integration of science, technology, engineering, and mathematics while using state standards. Prerequisite(s): Valid elementary certificate or admitted to candidacy. Enrollment open to Elementary Education, Early Childhood Education and Secondary Education majors only.

Graduate Course Descriptions

ELED 5263 - Assess/Interven Reading K-3

This course examines current issues specific to grades K-3 reading practices, assessment, and intervention strategies. Upon completion of this course, the students will be able to utilize appropriate reading assessments and design effective intervention strategies, lessons, and activities. This class requires clinical experience with grades K-3 students. Prerequisite(s): ELED 5063 and admission to Teacher Education. Enrollment open to Early Childhood, Elementary Education and Special Education majors only.

ELED 5273 - Assess/Interven Reading 4-8

This course examines current issues specific to grades 4-8 reading practices, assessment, and intervention strategies. Upon completion of this course, the students will be able to utilize appropriate reading assessments and design effective intervention strategies, lessons, and activities. This class requires clinical experience with grades 4-8 students. Prerequisite(s): ELED 5063, ELED 5173 and admission to Teacher Education. Enrollment open to Early Childhood, Elementary Education and Special Education majors only.

ELED 5283 - Lang Arts & Multicultural Lit

This course provides opportunities for teacher candidates to explore the many facets of language arts through a multicultural lens. It will cover pedagogy, theory, and research-based best practices in teaching English language arts for elementary students and language learners. Prerequisite(s): Admission to Teacher Education. Enrollment open to Early Childhood Education, Elementary Education and Special Education majors only.

ELED 5323 - Teaching Mathematics In Preschool/Primary

The course is designed to prepare early childhood and elementary educators with pedagogical content knowledge to help children in preschool and the primary grades be successful with mathematics. Development of learning trajectories for mathematics and mathematics curriculum will be studied, including effective teaching strategies, assessments, and interventions. Topics including conservation, number concepts, additive thinking, algebraic thinking, geometry, measurement, and the collection and organization of data will be explored. Prerequisite(s): Admission to Teacher Education.

ELED 5333 - 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 5323 and Admission to Teacher Education.

ELED 5343 - Science in the Elementary School

This course focuses on methods of presenting science in the elementary grades with particular emphasis on investigative/inquiry instruction. The investigations, concepts studied and methods emphasized in this course are consistent with University, State and National Standards, and are designed to enhance the candidate's preparation as reflective, responsive and resourceful professionals. Prerequisite(s): Admission to Teacher Education. Enrollment open to Early Childhood Education, Elementary Education and Special Education majors only.

ELED 5463 - 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 5483 - 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 skill 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.

ELED 5513 - Algebra & Mathematical Tasks PK-5

This course focuses on algebraic literacy of elementary teachers and the integration of algebraic reasoning throughout the elementary student experience as well as the creation and implementation of elementary level mathematical tasks.

ELED 5523 - Geometry and Spatial & Learning Trajectories PK-5

This course will focus on the content and complexities of teaching and learning geometry and spatial visualization in grades PreK-5. The course will also examine the learning trajectories that support developing mathematical concepts and skills. Course content will include geometric properties and relationships, visualization and spatial reasoning, transformational and coordinate geometries, and geometric constructions and modeling.

ELED 5533 - Number Concepts & Assessment PK-5

This course focuses on the analysis and construction of effective mathematical tasks in teaching number systems and operations at the PK-5 level. Attention is also given to the expansion of content knowledge and issues related to assessment.

ELED 5543 - Teaching Measurement & Data Analysis PK-5

This course focuses on statistical literacy of elementary teachers and the teaching of data analysis and measurement of K-5 students. Emphasis is placed on the use of technology to enhance student learning.

ELED 5553 - Rational Number, Proportional Reasoning & Classroom Interaction

Rational Number Concepts, Proportional Reasoning, and Classroom Interactions (PK-5) focuses on teaching rational number concepts and developing proportional reasoning skills for PK-5 classroom. Attention is also given to learning methods which facilitate appropriate classroom interactions.

ELED 5563 - Mathematics Leadership & Coaching PK-5

This course focuses on the development of skills and knowledge for school mathematics program design and leadership, and for coaching other teaching professionals in mathematics teaching. Prerequisite(s): 12 hours selected from the following (ELED 5513, 5523, 5533, 5543, 5553).

ELED 5613 - Contemporary Issues in Elementary Education

This course critically examines current issues facing the educational system from a variety of perspectives. Emphasis is placed on identifying issues impacting the profession, synthesizing research on issues, and advocating for best practices.

ELED 5633 - Curriculum Studies in Elementary Education

This course is designed to help students understand the foundations of elementary curriculum, processes of designing curriculum for elementary classrooms, analysis of instructional practices, and making data-driven decisions.

Graduate Course Descriptions

ELED 5653 - Literacy in Elementary Classroom

This course critically examines current literacy issues impacting classrooms and school systems from a variety of perspectives. Emphasis is placed on identifying issues impacting the classroom, synthesizing research on issues, and advocating for best practices.

ELED 5733 - Teaching Mathematics For Understanding

The focus of this course is on the use of instructional strategies that help learners achieve understanding of mathematics concepts in the elementary grades. Areas covered in the course include the selection of effective instructional materials and the planning and implementation of mathematics instruction as well as appropriate methods for evaluating student achievement in mathematics. Mathematics subject matter content and concepts will also be included.

ELED 5753 - Social Studies In Global Environment

This course will focus on the nature and scope of the elementary social studies program. Emphasis will be on the selection and organization of instructional materials and improvement of teaching techniques.

ELED 5772 - Improving Instruction In Literature Elementary Schools

Based upon children's interests, needs, and learning ability, students will consider the evaluation, selection and use of all genre of literature currently being used in elementary and middle schools. Improving teaching techniques using literature will be interwoven throughout the course.

ELED 5883 - Teachers as Researchers

This course examines action research, an approach to research involving self-reflective, systematic inquiry by education practitioners for the purpose of studying and improving their own practice. Identification of problems to investigate, research design, data collection, data analysis, data interpretation and technical writing are presented. The ethics of action research with human subjects is addressed. Students plan and implement a practice-based action research project and report on the outcomes of their study. Students writing a thesis will complete the thesis proposal in place of the action research. Prerequisite(s): PTE 5013.

ELED 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 5920 - 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.

ELED 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ELED 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

ELED 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ELED 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ELED 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ENGLISH (ENG) Department of English

ENG 5013 - Approaches to Graduate Studies

Approaches to Graduate Studies provides students with a foundation in graduate-level research methods, writing skills, and professional development activities in Composition & Rhetoric, Creative Writing, and Literature.

ENG 5661 - Introduction to Technical Writing

Introduction to Technical Writing provides students an overview of the discipline of technical writing and experience in technical writing practices. Students will study and write in clear technical expository prose with attention to audience, accessibility, and document design.

ENG 5023 - Technical Writing

Technical Writing provides a study of basic composition principles and will equip students in various disciplines to write clear technical expository prose designed for specific audiences.

ENG 5033 - Contemporary Literature & Culture

Contemporary Literature & Culture examines the influence of modern philosophical movements on twentieth- and twenty-first-century literature.

ENG 5043 - Colonial American Literature

The course examines the colonial, regional, and revolutionary literature of America to identify the history, ideologies, myths, poetry, essays, and drama which shaped and continue to influence American culture.

ENG 5053 - 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): Graduate standing.

ENG 5063 - Advanced Technical Writing

Advanced Technical Writing affords students a real-world opportunity to work with clients to develop documents that will be beneficial to the clients. Prerequisite(s): ENG 5023.

ENG 5073 - 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.

ENG 5083 - 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.

Graduate Course Descriptions

ENG 5103 - 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 5113 - Studies In Literary Criticism

This course features advanced studies in literary theory with emphasis on twentieth-century criticism and practice in the various modes of literary analysis.

ENG 5123 - Shakespeare: The Major Plays

Shakespeare: The Major Plays offers an intensive study of a selection of Shakespeare's major comedies, tragedies, histories, and romances and examines the historical contexts, critical reception and interpretation, and performance histories of plays in each of these genres.

ENG 5133 - 19th Century British Novel

This course will provide an intensive examination of novels by British fiction writers during the 19th Century. With an emphasis on context and an attempt to understand the intellectual, political, and artistic preoccupations of Britain's 19th Century, the course will direct attention to themes and social commentary in an artistic literary approach to 19th Century British fiction.

ENG 5153 - Victorian Literature

This course on the major British literary figures during the Victorian period (1832-1901) is designed to introduce students to the use of Victorian periodicals and to the terminology and aims of modern schools of criticism.

ENG 5163 - Postcolonial Literature

Postcolonial Literature used contemporary historical and literary-critical scholarship within the field of Postcolonial Studies to explore the diverse ways in which literary texts from the nineteenth, twentieth, and twenty-first centuries have subverted traditional Western ideas of empire and of the colonized.

ENG 5173 - Romantic Literature

A study of the major writers of the British Romantic period from the 1780's to the 1820's, this course is designed to introduce students to the major literary criticism on the Romantic period as to increase their understanding of the British Romantic writers' ideals and artistic themes.

ENG 5183 - 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.

ENG 5193 - British Novel 1900-1940

This course on the work of the major British novelists from approximately 1900 to 1940 focuses on the Modernist movement in British literature.

ENG 5203 - The Age Of Johnson

Taking the writing 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.

ENG 5213 - 18th Century British Novel

This course on the work of the major British novelists of the eighteenth century focuses on the rise of the British novel and deals with the major antecedent of the novel as a genre.

ENG 5223 - Southern Women Writers

This course offers a survey of twentieth-century American women writers including Eudora Welty, Flannery O'Connor, Kate Chopin, Carson McCullers, Alice Walker, Zora Neale Hurston and such contemporary writers as Shirley Ann Grace and Elizabeth Spencer.

ENG 5233 - American Novel I

The course will cover the development of the American novel from its' beginnings in the late 18th Century through the romantic, realist, and naturalist periods.

ENG 5243 - Chaucer

This one-semester course on the Canterbury Tales and Troilus and Criseyde presents Chaucer's text in Middle English, but students are allowed to use a translation as an aid to understanding his language.

ENG 5253 - American Novel II

This one-semester course on the evolution of the American novel from 1900 to World War II examines a range of literary styles and analyzes the characteristics of realism, naturalism, and modernism in a representative sampling of important texts.

ENG 5263 - Adult Second Language Aquisition

Adult Second Language Acquisition examines and analyzes the various hypotheses, theories, and studies associated with how adults learn and acquire an additional language.

ENG 5273 - American Fiction Since WW II

This one-semester course in the development of postmodern American fiction begins with two prewar novels and contrasts later, radical texts with more conservative ones, charting the major characteristics of postwar fiction and setting it within the historical and aesthetic context of American literature.

ENG 5283 - English Grammar And Usage

This one-semester course provides a detailed scholarly analysis of contemporary English. Although the approach is descriptive rather than prescriptive, a distinction is made between formal and informal usage. Textbook analysis are supplemented by workbook exercises and readings in scholarly journals.

ENG 5293 - American Films in Context

American Films in Context offers an advanced survey of American film history, examining the social, cultural, and institutional contexts within which American films have been produced and consumed. Treating films as both artistic texts and historical artifacts, this course examines representations of American life in popular films and explores the influence Hollywood has had on social and cultural values. We shall examine films within the contexts of the studio system, the star system, Hollywood genres, censorship, and film exhibition, and we shall explore the aesthetic, economic, and ideological factors that have shaped the history of American cinema in important ways.

ENG 5303 - Technical Editing

Technical Editing offers students the opportunity to learn grammar and editing skills by reading theory, testing knowledge of grammar, and completing an editing project. This course teaches students practical editing skills and helps them to become stronger editors. Prerequisite(s): ENG 5023.

ENG 5313 - Speculative Literature

Speculative Literature is an advanced study of a particular author or selected groups or movements within literature that is fantastical, supernatural, futuristic, or otherwise speculative. Students will analyze novels, novellas, short stories, poems, films, and/or other theoretical or creative texts.

Graduate Course Descriptions

ENG 5323 - History English Language

The course examines the origins and historical development of the English language, including vocabulary, phonology, syntax, orthography, and morphology throughout the three main periods of development - Old English, Middle English, and Modern English. Students in this class will consider the time periods, explore the major influences on and characteristics of the language in each period, and study how the language influenced, was influenced by, and is reflected in the literature of each period.

ENG 5333 - Teaching Shakespeare

Teaching Shakespeare focuses on multiple methods for teaching Shakespeare in grades 6-12. Pedagogical theory and practice, along with literary criticism, will be used to study Shakespearean sonnets and plays most often taught in public schools. Students are required to plan standards-based instruction and to construct assessments useful for their future teaching.

ENG 5343 - Linguistics

The course is 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) as well as some applications of linguistic theory to other fields.

ENG 5353 - Black Women Writers

Black Women Writers is a critical survey of literature produced by women of African descent. Students analyze diverse types of black women's literary traditions, including autobiography, oratory, poetry, drama, fiction, criticism, music, and film.

ENG 5363 - Theories of Film History

This course examines various philosophies of history and current theoretical approaches to historical and cultural study as well as exploring questions of aesthetics, economics, social practice, and cultural history. In addition, the work of several generations of film historians is surveyed.

ENG 5373 - Methods of Film Research

This course will introduce students to the fundamentals of advanced scholarly research in film studies, providing the professional skills essential for researching the critical and cultural history of the cinema.

ENG 5383 - Modern American Poetry

This one-semester course surveys the major figures in Modernist American Poetry, including Frost, Pound, Stevens, and Williams. The seminar examines the prose criticism of these writers as well as their poetry, and assesses their contributions to the development of twentieth-century literary theory.

ENG 5393 - Writing for Nonprofits

Writing for Nonprofits addresses the technical writing skills necessary for work in a nonprofit organization. Students will learn about the wide variety of writing situations and audiences they will encounter as part of a nonprofit, including writing for grants, applications, fundraising, newsletters, social media, and internal communication.

ENG 5403 - 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.

ENG 5413 - TESL Grammar

The course will allow graduate students to study the practical application of grammatical theories in English as a Second Language (ESL) instruction through both primary and secondary research.

ENG 5423 - A Literary Study Of The Bible

This course offers a study of the Bible as literature and provides an overview of current historical, anthropological, archetypal, and linguistic approaches to the study of the Bible. Students in this course study the forms of the biblical texts, as well as the development of these forms in a historical context. Contemporary literary criticism of the Bible is an integral part of the study of the biblical texts.

ENG 5433 - Classical Hollywood Cinema

This course offers students an advanced understanding of the aesthetic and industrial practices that have defined the classical Hollywood cinema.

ENG 5443 - Literature of the American West

Literature of the American West investigates the American West as myth, setting, and symbol in literary texts in a variety of genres written between the beginning of the nineteenth century and the present day.

ENG 5453 - Indigenous Literature

Indigenous Literature is a critical survey of early and contemporary literature. Students will analyze diverse types of indigenous literary traditions, including oratory, poetry, drama, prose fiction, criticism, and autobiography.

ENG 5463 - Indigenous Literary Traditions

Indigenous Literary Traditions examines a particular indigenous author or selected groups or movements of authors.

ENG 5473 - Advanced Composition

This course presents the principles of effective writing and affords students the opportunity to apply these principles through extensive writing practice.

ENG 5483 - Milton: Poetry And Prose

This course examines the major poems and selected minor poetry and prose of John Milton, the great Seventeenth Century poet, puritan and revolutionary. Through close critical readings of Milton's work, the class will examine such Miltonic themes as loss, guilt, patience, choice, trial, free will, the relationship between men and women and their relationship with God. The class will study the literary genres which Milton adopts and adapts (epic, tragedy, pastoral, masque, etc.), and the poetics, aesthetics, and ethics which inform his work. The course will analyze Milton in his various roles of farsighted politician, profound theologian, and visionary poet.

ENG 5493 - Document Design

Document Design offers students the opportunity to learn about design standards, page layout, instructional design, desktop publishing, typography, reading theory, and current research in document design. Prerequisite(s): ENG 5023.

ENG 5503 - 16th Century British Literature

The course provides a survey of sixteenth-century British prose, poetry, and drama. It will provide an extensive examination of writers and literary forms arising during Britain's 16th Century, each of which demonstrates continuing literary and historical importance to literature in English.

ENG 5513 - Literary Works Of C.S. Lewis

This course will provide comprehensive coverage of the literary works of C. S. Lewis and a brief look at related criticism. The course will include literary interpretation, genres, motifs, literary devices, and themes of the works.

Graduate Course Descriptions

ENG 5523 - Multimodal Rhetorics

Multimodal Rhetorics introduces students to the history and application of rhetorical frameworks that focus beyond traditional alphabetic text. Students in this course will engage theories, concepts, and texts pertaining to visual, sonic, material, bodily, and other multimodal rhetorics.

ENG 5533 - Teaching Methods for TAs

Teaching Methods for TAs provides teaching assistants with the training necessary to teach first year composition. Students will focus on the pedagogical concerns involved in teaching the writing process and will come to understand the effects that professional attitude, grading procedures, conferring with students, and the use of technology have on the objectives of the class as a whole. Prerequisite(s): Students must be accepted into the Teaching Assistant program. Written permission required.

ENG 5543 - History of Scientific Rhetoric

History of Scientific Rhetoric offers students the opportunity to learn about some of the major historical authors of science writing, about the techniques that authors use when discussing a scientific topic, about how those techniques have changed over time based on audience needs, and about the reasons why science writing is still important today.

ENG 5553 - History of Rhetoric

History of Rhetoric examines the history of argumentation, its forms and uses, and the theories behind the practices.

ENG 5563 - Modern British Poetry

This one-semester course examining the works of the major British poets from before World War I to the contemporary era.

ENG 5573 - British Novel Since WW II

This course examines the major British novelists and their work from approximately 1940 to 1990, focusing on "post-modernism" as a major literary movement in England following World War II.

ENG 5583 - 17th Century British Literature

This course surveys British literature of the seventeenth century, focusing on, among others, the prose writers Browne, Burton, Donne, and Walton, novelists Defoe and Behn, and the poets Donne, Herbert, Marvell, Vaughan, and Traherne. Prerequisite(s): 6 hours grammar and composition.

ENG 5601 - Composition and Rhetoric Portfolio

Composition and Rhetoric Portfolio, taken during the last semester of the graduate major in Composition and Rhetoric, will direct students in the compilation and final revision of artifacts for the portfolio and will help to prepare students for the oral portfolio examination. Prerequisite(s): Enrollment open to Composition and Rhetoric majors only.

ENG 5611 - Research and Writing

Research and Writing affords students the opportunity to complete a thesis proposal, grant application, or research article using research and data that the students already possess. This course focuses on creating the technical document on which the student chooses to work.

ENG 5633 - 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. This course also provides an overview of Anglo-Saxon history and culture and an introduction to Old English grammar, syntax, and vocabulary.

ENG 5643 - Theories and Methods of Cultural Study

Theories and Methods of Cultural Study provides students with an understanding of the conceptual frameworks and critical vocabularies used in the study of contemporary culture as well as of the methods of textual and discursive analysis particular to cultural studies scholarship. This course examines critical and theoretical texts together with a wide range of cultural products and explores the social contexts of the major areas of discussion in contemporary cultural study, including the concepts of culture, ideology, ethnicity and race, sexuality and gender, and class and social identity.

ENG 5653 - Contemporary Cultural Rhetoric

Contemporary Cultural Rhetoric offers an intensive study of the key cultural frameworks, concepts, and questions in the study of contemporary rhetoric.

ENG 5673 - Young Adult Literature

Young Adult Literature examines the history and evolution of young adult literature and the ways in which these texts affect an adolescent audience. Students will read theory and scholarship to broaden their understanding of this dynamic field.

ENG 5683 - Women in Literature

Women in Literature examines literature written by women and highlights the importance of gender in evaluating English, American, and world literature and literary criticism by women writers.

ENG 5693 - Films of Akira Kurosawa

Films of Akira Kurosawa explores the works of Akira Kurosawa by examining his life, his films, and the impact of his greatest works on the world cinema. Prerequisite(s): Graduate standing.

ENG 5703 - Kung Fu Films & Literature

This course examines Asian martial arts films, focusing primarily on Hong Kong films, by exploring such film icons as Bruce Lee and Jackie Chan; by analyzing the works of directors such as Ang Lee and Chang Cheh; and by evaluating the Chinese philosophies of Taoism, Buddhism and Confucianism in such films.

ENG 5713 - 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.

ENG 5723 - Composition Pedagogies

This class examines practical strategies for helping students improve their composition skills by exploring established and emerging pedagogies.

ENG 5733 - TESL Pedagogy

Future teachers of English as a second language (TESL) examine how creativity and research can help develop effective games and simulations for pedagogical purposes. First, students investigate methodologies for creating language games and simulations for the classroom. Second, they develop that knowledge into computer-assisted language exercises. Finally, students will present their research and scholarly projects in a class symposium. Prerequisite(s): Graduate standing.

ENG 5743 - Theoretical Approaches to Literature

Theoretical Approaches to Literature provides students with the theoretical knowledge and practical experience necessary to produce theoretically informed professional work in the field of literary studies. Students in this course will examine major interpretive questions within contemporary literary studies through a variety of theoretical lenses and will learn to apply theoretical methodologies within their own literary critical work.

Graduate Course Descriptions

ENG 5753 - Publishing & Editing

Publishing & Editing affords students a real-world opportunity to learn strategies and techniques for soliciting manuscripts, judging submissions, selecting, editing, negotiating editor-author relations, designing, laying out, proofing, advertising, promoting, and distributing academic and/or literary journals. This course is cross-listed with ENG 5753. The course, "Publishing and Editing" may be taken a maximum of two times for credit, whether taken under ENG, CSDY or a combination.

ENG 5763 - 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 novel, such as poetry, short fiction, and nonfiction prose.

ENG 5773 - 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.

ENG 5783 - Composition Theory & Research

This course provides an in-depth study of the scope of composition theory, the methods of composition research, and the work of individual theorists.

ENG 5793 - Graduate Studies Portfolio

Graduate Studies Portfolio provides graduate students with a capstone experience in which they prepare a portfolio of artifacts that demonstrates their knowledge and skills in the field. Students in this class will systematically revise a seminar paper for potential publication, deliver conference-style presentations, write abstracts for conferences, create resumes, and engage in other professional development activities such as writing cover letters, participating in simulated job interviews, and leading class discussion.

ENG 5803 - TESL Portfolio

TESL Portfolio provides TESL graduate students with a capstone experience in which they prepare a portfolio of artifacts that demonstrate their knowledge and skills in the field. Students in this class will systematically revise a paper written for ENG 5900 (Practicum in TESL), deliver conference-style presentations, write abstracts for conferences, create resumes, and engage in other professional development activities such as writing cover letters, participating in simulated job interviews, and leading class discussions.

ENG 5813 - Indigenous Youth Literature

Indigenous Youth Literature studies children's and adolescent literature from a variety of perspectives including traditional educational texts, contemporary texts, and controversial texts.

ENG 5823 - Ethnic American Literature

This one-semester course focuses on the literature of African-Americans, Asian-Americans, Hispanic Americans, American Indians, and European Americans.

ENG 5833 - Cyberpunk Film and Literature

In this course, students will explore the visual and literary sub-genre of cyberpunk science fiction. Students will define the genre according to the themes of the invasion of the mind, the ontology of cyborgs, and the paranoia of oppressive politics. Students will also assess the value this genre has in postmodern world fiction. Prerequisite(s): Graduate standing.

ENG 5843 - Secondary ELA Methods

Secondary ELA Methods serves students seeking alternative pathways to certification for grades 6-12 in English/Language Arts. This course focuses on best practices for teaching reading, literature, composition, language, and multimodal literacies. Students create an integrated unit plan, align instruction to current standards, and practice teaching through in-class demonstrations.

ENG 5873 - Indigenous Cinema

Indigenous Cinema offers a critical survey of early and contemporary indigenous films. Students analyze diverse types of cinematic contributions, such as silent films, documentaries, features, shorts, and animated films.

ENG 5883 - Asian American Literature

In this course, students will analyze and evaluate the contributions that Asian Americans made to American literature. Students will discuss the perceptions Euro-Americans have towards individual Asian cultures due to historical events and how that affected the way Asian Americans were treated and how they recorded this treatment in the literature. Prerequisite(s): Graduate standing.

ENG 5891 - Comprehensive Examination

This course, taken during the student's last semester in the program, will prepare the student for and will assist the student in successfully completing the Comprehensive Examination.

ENG 5900 - Practicum In English

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENG 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

ENG 5920 - Workshop in English

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.

ENG 5930 - Individual Study In English

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans; conferences, oral and written reports.

ENG 5940 - Field Study In English

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ENG 5950 - Internship In English

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

ENG 5960 - Institute In English

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENG 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ENG 5990 - Thesis In English

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ENGINEERING (ENGR)
Department of Engineering and Physics

Graduate Course Descriptions

ENGR 5023 - 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): MATH 3103, ENGR 3443, 3703 or concurrent enrollment in ENGR 3703.

ENGR 5083 - 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.

ENGR 5103 - Finite Element Analysis

This course will cover the advanced topics of finite element analysis (FEA) including FEA formula fortress, beam, 2D and 3D elasticity problems, general theory and applications of FEA. This course includes approximate solution methods, the RITZ method, interpolation, isoparametric finite elements, and displacement-based bending elements for solving complex engineering problems. The course incorporates the development of stand-alone finite element computer codes and the application of commercial finite element software packages to analyze advanced solid mechanics problems. Prerequisite(s): ENGR 2143, 3703 and PHY 3883.

ENGR 5143 - Vibration

This course analyzes free and forced vibrations of single and two degrees of freedom mechanical systems. This course also covers vibration of continuous systems. Prerequisite(s): MATH 3103 and ENGR 2043 with a minimum grade of "C", PHY 3883 or concurrent enrollment.

ENGR 5163 - Engineering Optics

The principles of geometrical and physical optics are applied to the analysis and design of optical systems including uniaxial and biaxial crystals, Gaussian-beam propagation, optical resonators, lasers, q-switching and mode locking, line broadening and electro-optic modulations. Prerequisite(s): Graduate standing and permission of instructor.

ENGR 5203 - Refrig & Air Conditioning

This course will enable students to apply advanced thermodynamics and thermo-fluid principles to design and analyze refrigeration and air conditioning processes in engineering systems. Topics in refrigeration include analysis of vapor compression, vapor absorption and air cycle refrigeration systems, selection of refrigerants, refrigeration equipment, low temperature applications and control & safety devices in refrigeration systems. Topics in air conditioning include cooling load calculations, psychometric analysis, air distribution and duct system design, air conditioning equipment and control systems. Prerequisite(s): ENGR 3203, ENGR 3443, and (ENGR 4123 or concurrent enrollment in ENGR 4123).

ENGR 5303 - 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 5303 - 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 5323 - Digital & Analog Communication

This course addresses selected theoretical and practical aspects of digital and analog communications systems such as amplitude modulation, frequency modulation, phase modulation, pulse code modulation, PSK, ASK, probability of error, and multiplexing. It also covers the sampling theory and analog to digital conversion. This course develops the engineering mathematics and techniques to describe the physical transmission of information over band-limited channels, taking into account channel characteristics and the presence of noise and distortion. Prerequisite(s): ENGR 3323.

ENGR 5333 - Digital Signal Processing

The course discusses the representation, analysis, and design of digital signals and systems. Among the topics that will be covered are discrete signals and systems, signal sampling and reconstruction, z-transform, discrete Fourier transform, fast Fourier algorithms, also IIR and FIR filter structure and design. Prerequisite(s): ENGR3323. Concurrent enrollment in ENGR 5311 is required.

ENGR 5403 - Advanced Control Systems Design and Lab

This course will provide a comprehensive treatment of the analysis and design of advanced control systems. Modern control theories in state-space domain and Laplace transform domain will be introduced. Topics include modern control design techniques such as root locus design, lead-lag and PID controllers, and controller design via frequency response and state space. This course has a lab component and lab experiments are related to the theoretical material covered in the class. Prerequisite(s): ENGR 4303 or ENGR 5303.

ENGR 5443 - Introduction to Computational Fluid Dynamics

This course covers the fundamentals and analysis of Navier-Stokes equation and its solution methods using computational fluid dynamics. Topics include fundamentals of mass conservation, momentum and energy equations, potential flow, incompressible and compressible flows, viscous flows, and basic concept and application of finite volume methods in designing fluidic systems. Prerequisite(s): ENGR 3203, 3443, MATH 3103.

ENGR 5533 - Thermal Systems Design

This course develops the concepts and methodology of advanced system design, energy analysis, and optimization applied to thermal-fluid systems. Topics include simulation and analysis to determine performance of existing systems; and design of thermal-fluid systems, including component selection, to meet specified requirements. A discussion of engineering economics relevant to design topics covered is included in this course. Prerequisite(s): ENGR 4123 or 5023.

ENGR 5553 - Applied Problems

The methods used to assess and solve applied problems commonly encountered in modern industry and technology are presented. Prerequisite(s): Graduate standing and permission of instructor.

ENGR 5613 - Photonics

The ray, wave, and photon-formulations of optics are developed and applied to engineering waveguides, fiber optics, and ultra-fast laser systems. Applications to nonlinear optics, laser holography, nanostructures, quantum statistics of photons, three- and four-wave mixing, near-field microscopy, advanced spectroscopy methods, and light-scattering are covered. Prerequisite(s): ENGR 5163; or graduate standing and permission of instructor.

Graduate Course Descriptions

ENGR 5633 - Solid State Devices

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 are presented. First-order device models reflecting the underlying physical principles are developed. Prerequisite(s): PHY 3103 and ENGR 3183 or permission of instructor.

ENGR 5803 - Mechatronics & Laboratory

This course will discuss high-level design, optimization, control of electromechanical and mechatronic systems, dynamic analysis, modeling, simulation of electric machines, power electronics, and sensors. Application of advanced software and hardware in mechatronic systems design and its optimization to complex system will also be discussed. Prerequisite(s): ENGR 3323 and 3331 with a minimum grade of "C". Concurrent enrollment in ENGR 5803L is required.

ENGR 5803L - Mechatronics Laboratory

This course comprises the laboratory component of ENGR 5803. 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 design, simulation and analysis of electromechanical systems and mechatronics devices. Prerequisite(s): ENGR 3323 and 2043 with a minimum grade of "C". Concurrent enrollment in ENGR 5803 is required.

ENGR 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 5910 - Seminar

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ENGR 5920 - 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.

ENGR 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ENGR 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENGR 5960 - Institute

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ENGR 5970 - Study Tour

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 5980 - Graduate Project

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENGR 5990 - Thesis

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

EDUCATIONAL SCIENCES, FOUNDATIONS & RESEARCH (ESFR) Department of Educational Sciences, Foundations & Research

ESFR 5013 - Found of Educational Research

Students in this course will consider the research process on a continuum from consumer to researcher and will develop a basic understanding of quantitative and qualitative research methods appropriate for use in education and other professional settings. Included in this course are practical experiences in locating, interpreting, and critiquing scholarly research studies, and in synthesizing findings from research literature. The course provides experience in developing research proposals and analysis of quantitative and qualitative data.

ESFR 5112 - Modern Philosophies of Education

This course is a study of current educational philosophies with a special emphasis on those of the United States. It provides for an understanding and application of philosophical theories within the educational setting.

ESFR 5142 - History of Education

This course examines the historical perspective and impact of the political economy, prevailing ideology, educational practices, educational problems, and major contributions by educational leaders and theorists in American schools. This course also analyzes key educational issues dealing with how diversity has impacted American schools.

ESFR 5153 - Advanced Developmental Psychology in Educ Setting

This course provides an advanced level review of human development across the life span with emphasis on the factors impacting development of children and adolescents. Examination and application of developmental theories and research relevant to professionals working in educational settings is a primary focus of this course. ESFR 5333, Meeting Secondary Students' Needs, is a prerequisite for this course for all secondary education majors; this prerequisite will be strictly enforced.

ESFR 5172 - Educational Sociology

This course examines the school's functions in a democratic society and its relationship to the total culture particularly to social problems.

ESFR 5203 - Advanced Contemporary Learning Sciences

This course is a study of the principles of learning and factors that affect learning motivation. Current theoretical perspectives and research findings regarding human development, learning, and motivation are examined as these influence educational decisions and the development of effective student-centered learning environments. For all secondary education majors, ESFR 5333, Meeting Secondary Students' Needs, and ESFR 5523, Designing Instruction for Secondary Students, are prerequisites for this course. These prerequisites will be strictly enforced. A clinical experience in secondary schools allows students to apply course concepts in actual classrooms.

ESFR 5221 - Contemporary Class Issues

This course consists of three major components related to teaching: urban education, wellness, and legal and professional aspects.

Graduate Course Descriptions

ESFR 5322 - Problems of Teaching in Secondary Schools

This course provides a critical study of the major problems of instruction common to secondary schools.

ESFR 5333 - Meeting Secondary Students' Needs

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. A clinical experience in secondary schools allows students to apply course concepts in actual classrooms.

ESFR 5383 - Principles of Tests & Measurements

This course examines test and measurement principles (psychometric statistics, reliability and validity). Major emphasis is placed on different types of educational and psychological assessment, including group and individual approaches to intelligence, aptitude, achievement, interest and personality.

ESFR 5403 - Educational Statistics

This course provides an introduction to the basic principles of organization and treatment of statistical data as utilized by educational professionals in various educational settings.

ESFR 5413 - Foundations of Gifted Education

This course provides an introduction to the historical, philosophical, and cultural foundations required for professionals in gifted education. Characteristics and needs of gifted children and youth, as well as general information on procedures used to identify gifts and talents, are explored. Programs and models for gifted learners along with current state and national standards for gifted education are also examined.

ESFR 5423 - Social-Emotional Development - Gifted Students

This course provides an overview of the social and emotional developmental issues surrounding gifted students and offers participants in-depth exploration, including current research, of the role of affect in developing effective learning environments for gifted learners. Topics of study include special populations, emotional characteristics, vocational concerns, self-concept, and self-esteem. Influences of diversity in culture, family, friendships, expectations, gender, and self and societal pressures on gifted students and their identity development are examined. The teacher's role in preventing or remediating affective problems related to giftedness is also explored.

ESFR 5433 - Curriculum Strategies for Gifted Learners

This course provides a basic framework for developing curriculum and instruction for gifted learners P-12. Course content is focused on design strategies to help participants to articulate goals, learning outcomes, instructional strategies, and assessments for gifted, creative, and talented learners based on their individual needs and characteristics. Strategies and models include modification, adaptation, and differentiation by content, process, and product as well as creating learning environments to enhance gifted learners. Participants will use evidence-based best practices to design a unit of study for gifted learners that will be used in the practicum clinical experience.

ESFR 5443 - Identification & Assessment for Gifted Education

Students will develop working knowledge of current systems of identification including appropriate tools for assessment and their interpretation. Students will examine the impact of language, culture, ethnicity, gender, family contexts, and other exceptionality on identification processes. Participants will also investigate strategies for assessment of student achievement and use of assessment in planning and adjusting gifted student-learning experiences. Legal and professional ethical concerns surrounding identification of students for gifted education services are also examined. Prerequisite(s): ESFR 5413 and graduate standing.

ESFR 5453 - Leadership and Communication in Gifted Education

Participants will explore the impact of laws and public policy on leadership, communication, and collaboration in multiple areas of gifted education. Acquisition of foundational knowledge and skills required by teacher-leaders to implement communication, collaboration, and consultation in multiple areas of gifted education, as aligned to national, state, and local standards, and to evidence-based and most current best practice in gifted education will be the primary areas of focus in this course. Prerequisite(s): ESFR 5413.

ESFR 5483 - Technology for Secondary Teachers

This pedagogy course focuses on the utilization of current technology for classroom instruction, student assessment, and professional development. Methods of teaching appropriate for technology are modeled and practiced. The course also examines the social, ethical, legal, human and equity issues surrounding the use of technology in the secondary classroom.

ESFR 5523 - Designing Instruction for Secondary Students

This pedagogy course prepares students to design and teach effective lessons to facilitate student learning in secondary schools based on appropriate theoretical frameworks and pedagogical practices. Methods of teaching for enhancing student learning will be explored, including, but not limited to, lecture, demonstration, simulation, projects, experiments, dramatization, and group processes. Additionally, appropriate methods of teaching for differentiating instruction and integrating curriculum will be explored.

ESFR 5533 - 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): Enrollment is open to Secondary Education majors only.

ESFR 5623 - Secondary Class Assessment

This pedagogy course focuses on methods of teaching for 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 pedagogical decisions. Additionally, the course will examine the standardized testing process, as well as legal, ethical, and diversity issues in assessment.

ESFR 5893 - Capstone Research Experience

In this culminating course, students complete an in-depth exploration of a pedagogical or education-related problem through the completion of a research study. Students identify a researchable problem, review literature, design a methodology, collect and analyze data, discuss implications to education, and present the findings in a public forum.

Graduate Course Descriptions

ESFR 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ESFR 5910 - Seminar/Special Topics

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ESFR 5920 - Workshop

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ESFR 5930 - Independent Study

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ESFR 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ESFR 5950 - Internship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ESFR 5960 - Institute

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ESFR 5970 - Study Tour

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ESFR 5990 - Thesis

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FAMILY AND CONSUMER SCIENCE EDUCATION (FACS)

Department of Adult Education & Safety Sciences

FACS 5113 - 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.

FACS 5123 - Professional Issues

This course is planned to assist the student in identifying professional and personal competencies needed in emerging home economic areas. Opportunities for exploring and assessing self interests and abilities as well as the identification of competencies needed for professional-level employment in a specialized area will be encouraged and required.

FACS 5173 - Program Development

This class is designed to provide home economics education majors with knowledge and skills needed for developing a vocational and general home economics program.

FACS 5453 - Consumer Management

This course is designed to provide a framework for examining the key areas of personal and family financial decision-making and goal setting, consumer issues, decisions and the relationship of resource allocation for the family throughout the life cycle.

FACS 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FACS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prerequisite(s): An undergraduate minor in the subject matter area and permission of graduate advisor.

FACS 5920 - 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.

FACS 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area and permission of graduate advisor.

FACS 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Prerequisite(s): An undergraduate minor in the subject matter area and written permission of graduate advisor.

FACS 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FACS 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FACS 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FACS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FINANCE (FIN) Department of Finance

FIN 5203 - Contemporary Problems In Finance

Readings and case course designed to increase the practical realism of the problems faced by financial managers in the modern business world. The course provides an environment that enhances the student's understanding of textbook issues and current business problems by requiring article reviews, case analyses, report writing, oral presentations, and participatory discussions of contemporary issues in business, economics and finance. Prerequisite(s): Completed all prerequisites for the MBA Program.

FIN 5223 - Advanced International Finance

An advanced-level course designed to acquaint the student with the theories, concepts, problems, and practices encountered in the financing of the multinational business firm. Students will be exposed to the tools that will enable them to assess the international environment, recognize opportunities, implement strategies, assess exposure to risk, and manage the international risk.

Graduate Course Descriptions

FIN 5233 - Advanced Investments

The course will introduce, explore and analyze the strategies used and the issues encountered in the management of an investment portfolio. The course will emphasize the valuation of individual securities, the valuation of securities held in a portfolio, the strategies employed with the results of the valuations, and the contemporary factors influencing the market.

FIN 5243 - Advanced Financial Institutions

This course is an advanced analysis of financial institutions and markets. It focuses on the roles, functions, and characteristics of financial institutions and markets within the economy. The course helps students to understand how various financial institutions and markets operate in the contemporary business world. Prerequisite(s): Admission to the Master of Science in Finance program.

FIN 5253 - Capital Budgeting

A theory and tools course that emphasizes the economic analysis of the firm's long-term investment opportunities. Specific emphasis is placed on determining the optimal capital budgeting techniques and processes. Extensive attention is given to the problem of explicitly incorporating risk into the analysis and to the problem of modifying decision rules when there are constraints on budget size. Prerequisite(s): FIN 5333.

FIN 5273 - Portfolio Management

This is the second course in investments introducing modern investment theories, empirical evidence concerning the theories, and their application to portfolio management. We will study the field of security analysis and portfolio management with major emphasis on the investment decision-making process and portfolio management. The course will probe deeply into the application of qualitative tools like probability theory and statistical analysis to the finance industry as employed by securities analysts and portfolio managers. Prerequisite(s): FIN 5233. Co-requisite(s): FIN 5233.

FIN 5283 - Quantitative Investment Analysis

This course develops the ability to use quantitative methods in investment and portfolio management. The course mirrors the quantitative methods portion of the CFA (Chartered Financial Analyst) curriculum. The course also introduces Excel's data analysis tool. As a result of successfully completing this course, the student will be able to use quantitative models, solve valuation problems, and use statistical methods to test relationships among firm, industry, asset market, and macroeconomic variables.

FIN 5333 - Corporate Finance

This course is an analysis of the core financial management decisions made by various business firms, with a specific focus on the challenges faced by corporate managers. It emphasizes an understanding of the role of finance within the firm and the importance of effective financial management. Topics covered include the elements of financial analysis, valuation, cost of capital, working capital, capital budgeting under conditions of certainty and risk. The course helps students to understand how to utilize these concepts, principles, and techniques in managerial decision-making. Prerequisite(s): Admission to the Master of Science in Finance program.

FIN 5353 - Derivatives and Risk Management

This course introduces students to the fundamental principles, theories, and techniques used in some of the common financial derivatives and their respective markets. The course will cover the methods of hedging, speculation, and arbitrage within the topics of equity options, futures, forwards, swaps, exotic options, the Greeks, and foreign currency options.

FIN 5413 - Advanced Financial Modeling

This course uses the basic principles of finance to develop financial models and apply them to solve common financial management problems faced by business corporations. The course focuses on models for financial management problems related to financial analysis, planning and cash budgeting, risk-return trade off, asset valuation and investment decisions. The emphasis throughout will be on applications and model building rather than on theory.

FIN 5423 - Advanced Insurance, Employee Benefits, and Retirement Planning

This advanced course in insurance, employee benefits, and retirement planning requires students to integrate and apply all elements of insurance planning, employee benefit planning, and retirement planning through content examinations, cohort discussions, and case studies. Additionally, students will develop and present a client-based analysis, assessment, and proposal that demonstrates graduate-level comprehension and practical application. Prerequisite(s): Completed all prerequisites for the MBA Program with a minimum grade: C.

FIN 5433 - Advanced Case Studies in Financial Planning

This advanced course in financial planning requires students to integrate and apply all elements of comprehensive financial planning, including insurance planning, investment planning, retirement planning, tax planning, estate planning, and education planning through case studies. Students will develop and orally present a comprehensive financial plan that demonstrates graduate-level understanding and application. Prerequisite(s): FIN 233, FIN 5423, LS 5223. Co-requisite(s): FIN 5233, FIN 5423, LS 5223.

FIN 5453 - Fundamentals of Financial Planning

This course in financial planning introduces students to all elements of personal financial planning, including insurance planning, investment planning, retirement planning, estate planning, education planning, and in-depth emphasis on tax planning along with the skills and tools for effective financial planning. Regulation, certification, ethical, and professional responsibility issues are examined.

FIN 5553 - Advanced Financial Statement Analysis

This course provides students with the techniques and principles required to analyze a firm's position and performance from its financial statements. The topics covered include accounting basics and the tools of financial analysis from the viewpoint of user groups like lenders, shareholders, suppliers, and the financial managers of the firm.

FIN 5900 - Practicum In Finance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

FIN 5920 - Workshop in Finance

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.

FIN 5930 - Individual Study In Finance

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

FIN 5940 - Field Study In Finance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

FIN 5950 - Internship In Finance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FIN 5960 - Institute In Finance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FIN 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FIN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FOREIGN LANGUAGE (FLGN)

Department of Modern Languages, Literature & Cultural Studies

FLGN 5000 - Workshop In Foreign Language

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 2 hours of workshop may be counted on a master's degree.

FLGN 5103 - 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, the spirituality of santeria and voodoo, among others. Prerequisite(s): 17 hours in major (French, Spanish or others) and permission of the instructor.

FLGN 5900 - Practicum In Foreign Language

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 5920 - Directed Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 5950 - Internship In Foreign Language

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FLGN 5960 - Institute In Foreign Language

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FLGN 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FLGN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FAMILY AND CHILD DEVELOPMENT (FMCD) Department of Human Environmental Science

FMCD 5023 - Theories In Family & Child Studies

This graduate course is an organized study of major theoretical approaches to the study of family and child development. Prerequisite(s): 9 hours of behavioral science coursework. Enrollment open to Family and Child Studies majors only.

FMCD 5043 - Family Dynamics and Sexuality

This course is an in-depth study of the family systems theory and circumplex model as applied to interpersonal relations. Areas to be examined include communication, conflict resolution, diversity and strengths in families, and living in a global world. The course will also examine the historical, theoretical, and research perspectives of human sexuality through the life span. Prerequisite(s): Six hours of marriage, family, or related courses (psychology, sociology).

FMCD 5102 - Case Management

This course covers principles, practices and issues in case management. The course will increase self-awareness and familiarize students with the concepts and skills required to work with clients in a case management role. The course will also provide skills and knowledge to supervise case management work in the field. Prerequisite(s): Enrollment open to Family & Child Studies-Family Support Specialist and Family Life Education majors only. Admission to the graduate program.

FMCD 5111 - Orientation to Grad Studies

This course is designed to highlight core communication skills in graduate studies. Specific attention is given to improving writing habits and skills. Prerequisite(s): Enrollment open to Family and Child Studies graduate majors only.

FMCD 5122 - Early Intervention with Infants and Toddlers

This course examines the recommended practices for infants and toddlers with special needs. An overview of special populations served in early intervention along with the structuring of a transdisciplinary approach to meet the needs of children and families will be provided. Prerequisite(s): FMCD 2213 Child Development; FMCD 3723 Infancy and Early Childhood Development.

FMCD 5153 - Trauma and Resilience in Families

This course provides a theoretical understanding of the impact of trauma at the individual and societal levels. The course will emphasize the nature of trauma and the developmental consequences for childhood, adolescence, and adulthood, along with socially and culturally related trauma within the context of the bioecological framework. Trauma-informed care including prevention and intervention services will also be discussed.

FMCD 5333 - Models of Marriage and Family Therapy

Models of Marriage and Family Therapy will cover the history of marriage and family therapy, theoretical models of MFT, and emerging models and current adaptations of models. Prerequisite(s): Enrollment open to Family & Child Studies-LMFT majors only.

FMCD 5342 - Infant Mental Health

This course is an historical, theoretical, and empirical overview of the field of infant mental health. The foundations of infant mental health and direct work with infants and parents will be covered. This course explores the role and function of the infant mental health specialist and the use of relationship and reflection in work with families. Students will gain an understanding of the impact that early trauma, family violence, poverty and developmental disabilities can have on young children.

Graduate Course Descriptions

FMCD 5363 - Ethics/Issues in Family/Child Study

The study includes current issues that influence, effect and change families. The topic of ethics will permeate all issues and be discussed separately. To be taken concurrently with the last semester of the graduate program.

FMCD 5373 - Lifespan Human Development Child/Family Studies

This course is a study of theory and research in life-span developmental processes from birth to death, with appropriate applications in relevant occupational fields such as: infant programs, parent, school age, adolescence, special needs, middle age and aging. Prerequisite(s): Written instructor permission.

FMCD 5423 - Linking Families & Community

This course is the study of programs in the community that offer support, education, assessment and intervention to families. Students will research effective methodology, program development, delivery and evaluation of community programs.

FMCD 5433 - Families in Crisis

The course is designed to introduce the student to a better understanding of the traumatic stress from both individual and systemic theoretical perspectives. It will introduce and review the theoretical and historical beginnings of the concept of trauma to include the acceptance of post-traumatic disorder (PTSD) as a diagnosis in the DSM 5. The course will discuss trauma reactions, effects of stressful events, and treatment. A focus will be to understand the common and unique experiences of families.

FMCD 5523 - Family Law and Public Policy

This course is a general survey of government programs and policies that impact on the family. Topics to be covered include childcare, 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.

FMCD 5543 - Leadership Communication and Advocacy

Leadership, Communication and Advocacy will explore the theories and principles of leadership and communication skills while working with family agencies. Leadership and communication skills, characteristics and techniques will be examined. Current issues of advocacy and legislation will be discussed. Additional areas of study will include professional organizations, certifications, and career development.

FMCD 5653 - Research in Professional Studies

This course covers basic research principles, both methods used in general research, as well as methods used to understand processes within the human sciences. This course concentrates on both research methods and research writing. Instruction is provided in developing skills in reading, evaluating, and synthesizing material from professional journals and other resources dealing with human science research. The course also involves students in active participation in the research process.

FMCD 5713 - Parent Support and Intervention

The course is an in-depth study of programs that facilitate parent education. The theories and methods of parent education, group dynamics, community and home-based visitation will be investigated.

FMCD 5773 - Introduction to Child Life

This course is designed to allow students interested in Child Life to acquire some of the fundamental skills in helping children and families cope with the stress of a health care experience. This course will provide an introduction to Child Life programs and how these programs strive to promote optimum development of children adolescents and families, to maintain normal living patterns, and to minimize psychological trauma. Child Life specialists, as members of the health-care team, maintain, enhance, and maximize normal growth and development through play, education, advocacy, and therapeutic interventions.

FMCD 5793 - Capstone in Family Science

This course involves supervised work experience in a professional setting to actively integrate theories and knowledge gained from graduate studies in family sciences.

FMCD 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMCD 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prerequisite(s): An undergraduate minor in the subject matter area and permission of graduate advisor.

FMCD 5920 - 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.

FMCD 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area and permission of graduate advisor.

FMCD 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Prerequisite(s): An undergraduate minor in the subject matter area and written permission of graduate advisor.

FMCD 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FMCD 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FMCD 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FMCD 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FASHION MARKETING (FMKT) Department of Human Environmental Science

FMKT 5063 - Fashion Accessories

Analysis of the accessory needs of specialized market segments and the products produced to meet those needs with emphasis on product design, marketing, and merchandising. prerequisite(s): FMKT 1303 or FMKT 3113.

Graduate Course Descriptions

FMKT 5073 - Heritage of Dress II

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): Six credits in history/humanities or permission of the instructor.

FMKT 5093 - No-Textiles Accessories

Analysis of the non-textile accessory needs of specialized market segments and the products produced to meet those needs with emphasis on product design, marketing and merchandising. Prerequisite(s): FMKT 3113.

FMKT 5621 - 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 5632 - Business/Professional Etiquette

This course will address situations in the world of business regarding communication, professional dress, networking, as well as, meal/dining etiquette. Students will gain knowledge regarding business etiquette globally that will strengthen their confidence as they enter the world of work, and the business professional will acquire ease in any business situation. Prerequisite(s): Graduate standing.

FMKT 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prerequisite(s): An undergraduate minor in the subject matter area and written permission of graduate advisor.

FMKT 5920 - 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.

FMKT 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area and permission of graduate advisor.

FMKT 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Prerequisite: An undergraduate minor in the subject matter area and written permission of graduate advisor.

FMKT 5960 - Institute In Fashion Marketing

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FMKT 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FMKT 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FUNERAL SERVICE (FNRL) Department of Funeral Service

FNRL 5900 - Practicum In Funeral Service

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 5920 - 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.

FNRL 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FNRL 5950 - Internship In Funeral Service

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FNRL 5960 - Institute In Funeral Service

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FNRL 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FNRL 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FRENCH (FRCH) Department of Modern Languages, Literature & Cultural Studies

FRCH 5203 - French Culture & Civilization

Prerequisite(s): 18 hours of French.

FRCH 5223 - Advanced French Grammar

Prerequisite(s): Eighteen hours of French.

FRCH 5303 - 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): 17 hours of French.

FRCH 5900 - Practicum In French

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FRCH 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 18 hours of French and permission of instructor. May be repeated for credit up to four hours with change in content.

FRCH 5920 - Workshop in French

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.

FRCH 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for credit up to four hours with change in content.

Graduate Course Descriptions

FRCH 5940 - Field Study In French

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRCH 5950 - Internship In French

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FRCH 5960 - Institute In French

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FRCH 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FRCH 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FORENSIC SCIENCES (FRSC) Forensic Science Institute

FRSC 5143 - Advanced Crime Scene Processing and Investigations

This course covers advanced topics in crime scene investigations to include evidence processing methodology, special scene considerations, death scene interpretation, advanced evidence recovery techniques, emerging technologies, and concepts of reconstruction. Students will gain an understanding of available resources and interagency coordination to appropriately handle complex crime scenes and evidence.

FRSC 5153 - Crime Scene Photography

Crime Scene Photography expands on the basic crime scene photography module taught in Crime Scene Processing, with an emphasis on advanced photographic techniques particularly well-suited to crime scene photography. Students will learn and practice specific photographic techniques relating to composition, basic exposure concepts, focus and depth of field, electronic flash techniques, and proper methodology for creating photo documentation of various types of crime scenes. Photographic concepts will be presented through lecture and demonstration. Students will undertake a number of field exercises designed to develop and test their skills in each area of study. Field exercises will be conducted on the UCO campus in the vicinity of the Forensic Science Institute. Prerequisite(s): FRSC 3043.

FRSC 5163 - Medicolegal Forensics

Death investigations are among the most important, complex, and challenging forensic science responsibilities. Such investigations require an in-depth synthesis of a broad range of Forensic Science disciplines, expertise, and analyses. This course serves an introduction to all aspects of the application of forensic science to death investigation procedures, processes, and protocols. Students will learn the methodologies and major steps involved in the investigation of untimely death and will become proficient in developing, documenting, conducting, and managing various types of death investigation scenarios. Students will develop skills and knowledge targeted at the integration and synthesis of diverse forensic science disciplines into the death investigation process. Among the skills which will be developed are: information gathering and evaluation; behavioral and interview assessment; scene strategy development and implementation; field and laboratory evaluation of remains; evidence recognition, preservation, documentation, and analyses; autopsy procedures and protocols; legal and regulatory matters, expert testimony; and ethics practices and evaluation. Prerequisite(s): FRSC 3043.

FRSC 5173 - Crime Scene Reconstruction

Crime Scene Reconstruction is designed for investigators, crime scene technicians, forensic technicians, and others involved in criminal and medical-legal investigations and crime scene analysis. The course is intended to develop a fundamental knowledge of appropriate hypothesis development and testing procedures and provide an objective form of defining the events associated with a complex crime sometimes referred to as Event Analysis.

FRSC 5223 - Behavior and Crime Scenes

Behavior and Crime Scenes serves as an advanced course in behavioral science and criminal profiling. In this course, students will explore the history of behavioral science in law enforcement; the concept of criminal investigative analysis and profiling; the basic principles of criminal profiling; the structure and function of the FBI's Behavioral Science Units; the evolution of the multi-disciplinary approach to criminal profiling; and legal considerations regarding the use of criminal profiling in the investigation and prosecution of violent crimes. The topics above will be presented through lecture, case presentations by FSI staff, and video documentaries. Prerequisite(s): FRSC 2503.

FRSC 5233 - Forensic Interviewing Techniques

Sound interviewing methods, targeted at the solicitation of accurate and truthful information, are a fundamental component of criminal investigations, behavioral analyses, crime scene processing, intelligence gathering, and civil litigation. This course serves all aspects of forensic and investigative interviewing. Students will learn the methodologies and major steps involved in the interviewing and interrogation process and will become proficient in developing, documenting, and conducting various types of interviews. Among the skills which will be developed are information gathering and evaluation, behavioral assessment, strategy development and implementation, legal review and interpretation, expert testimony, and ethics evaluation. Students will demonstrate and enhance their understanding of the interview process through practical exercises involving a variety of case-based scenarios. Prerequisite(s): FRSC 2503.

Graduate Course Descriptions

FRSC 5253 - Forensic Science Analysis & Laboratory

Forensic Science Analysis serves as an introduction to classical and modern forensic science techniques with emphasis on the theory of modern impression evidence examinations. Techniques covered include latent fingerprints, handwriting and related document examinations, firearms and toolmarks, and fracture glass examinations. Automated evidence database applications are discussed and practiced. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratories. Prerequisite(s): FRSC 2503. Concurrent enrollment in FRSC 5253L required.

FRSC 5253L - Forensic Science Analysis Laboratory

This is the laboratory course that accompanies FRSC 5253. Prerequisite(s): FRSC 2503. Concurrent enrollment in FRSC 5253 required.

FRSC 5263 - Forensic and Biological Anthropology

Forensic anthropology is the application of the theories and principles of biological anthropology to the identification of human remains in order to determine their legal significance. Forensic anthropologists are most often called to scenes when highly decomposed or skeletal remains are discovered. The main role of the forensic anthropologist is to determine if remains are human, if they are recent or ancient, who they were, and what happened to them. Using techniques derived from biological anthropology, remains are examined to illicit age, sex, ancestry, and other unique characteristics which may be used to identify the individual. This course will guide students through the processes and techniques used by forensic anthropologists to achieve these goals. Students will gain a detailed knowledge of human skeletal anatomy and be able to distinguish human from animal remains. They will also gain an in-depth understanding of taphonomic processes such as decomposition which affect the condition and recoverability of remains. Prerequisite(s): FRSC 2503 and any biology course.

FRSC 5273 - Advanced Fingerprint Analysis

Advanced fingerprint analysis focuses on the application of AFIS technology to analyze fingerprints and palm prints, to compare exemplars to unknown prints, and to evaluate prints to form a conclusion of identification, elimination, or inconclusive. Students will review ACE-V methodology, learn advanced physical and chemical processing techniques, learn the application of the RUVIS microscope for fingerprint examination, and explore the use of fingerprints within the judicial system. Students will also discuss the vulnerabilities that may occur in the classification and analysis of fingerprints. Students will apply learned techniques and technology to a mock case and will be responsible for collecting and analyzing prints as well as testifying in regard to their evidence. Prerequisite(s): FRSC 5253.

FRSC 5303 - Forensic Archaeology

This course is an introduction to traditional archaeological methods and how those methods are then used in a forensic setting primarily for the collection and preservation of evidence. This will include basic skeletal biology and the taphonomic process. Emphasis is given to classical methods of searching and gridding before modern electronic methods are taught. The student will, while working in groups, complete an exhumation of a carcass in the field component of the course. The graduate level requires the student to direct a team in field work and lead that team in group presentations. Prerequisite(s): FRSC 2503.

FRSC 5313 - Forensic Pathology for Investigators

Forensic Pathology for Investigators 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, odontology, and detection and recovery of human remains for investigators. Prerequisite(s): FRSC 2503.

FRSC 5323 - Forensic Toxicology & Laboratory

Forensic Toxicology serves as a "hands-on" introduction to modern toxicological methods in forensic science. Topics and analytical techniques covered include sampling preparation, instrumentation, and the analyses of alcohol, drugs of abuse, therapeutic drugs, carbon monoxide, and cyanide in biological fluids and tissues. Prerequisite(s): FRSC 2503, CHEM 3454 or concurrent enrollment in CMEM 3454, or permission of instructor is required.

FRSC 5323L - Forensic Toxicology Laboratory

This laboratory course accompanies FRSC 5323. Prerequisite(s): FRSC 2503, CHEM 3454 or concurrent enrollment in CMEM 3454, or permission of instructor is required.

FRSC 5333 - Forensic Molecular Biology & Laboratory

This lecture and laboratory course presents advanced principles of DNA analysis techniques. Both human (forensic) and non-human applications will be discussed. Major Topics covered in this course include DNA extractions, DNA quantification, polymerase chain reaction, DNA fragment analysis, DNA sequencing, and bioinformatic databases. Prerequisite(s): BIO 3303 or equivalent. Concurrent enrollment in FRSC 5333L is required.

FRSC 5333L - Forensic Molecular Biology Laboratory

This course is a laboratory course designed to accompany FRSC 5333. Prerequisite(s): BIO 3303 or equivalent. Concurrent enrollment in FRSC 5333 is required.

FRSC 5343 - Forensic Serology & Laboratory

Forensic Serology is structured to provide advanced concepts of serological techniques as it applies to the collection, preservation and examination of biological evidence. This course includes the theory and practice of techniques used to identify and individualize biological samples having a forensic interest. Emphasis is given to quality control quality assurance as practiced in today's crime laboratory. Prerequisite(s): FRSC 2503. Concurrent enrollment in FRSC 5343L is required.

FRSC 5343L - Forensic Serology Laboratory

FRSC 5343L is the laboratory course that accompanies FRSC 5343 Forensic Serology and Laboratory. Prerequisite(s): FRSC 2503. Concurrent enrollment in FRSC 5343 is required.

FRSC 5353 - Firearm and Toolmark Analysis

Firearm & 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 care/projectile macroscopic analysis. Prerequisite(s): FRSC 4253 or 5253.

Graduate Course Descriptions

FRSC 5373 - Cold Case Review and Analysis

This course will expose students to the various job assignments within a cold case investigation. The students will also learn investigative techniques and organizational policies as applied to cold case investigations. Students will also integrate and apply the rules of evidence in investigating cold cases. In order to expose students to viewpoints and functions of criminal justice professionals in investigating cold cases, students will work with actual Cold Case Investigators from law enforcement. Prerequisite(s): FRSC 3043 or equivalent.

FRSC 5413 - 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.

FRSC 5423 - Bloodstain Pattern Analysis II

This is the second course in the study of bloodstain pattern analysis. The course provides a comprehensive review of this highly specialized crime scene reconstruction tool. Students will utilize current literature, case studies, laboratory experiments and computer simulation to gain experience in using bloodstain patterns in reconstructing crime scenes. Emphasis is given to the mathematical formulas and calculations involving trigonometry and physics. Emphasis is also given to preparing students to become qualified as expert witnesses for court testimony. Prerequisite(s): FRSC 5413.

FRSC 5443 - Forensic Arson Investigation

This 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.

FRSC 5463 - Digital Forensics & Lab

Digital Forensics & Lab is designed to provide the student with the fundamental concepts of the forensic analysis of digital evidence. Students will receive step-by-step explanations on how to use the most popular digital forensic tools. Topics include digital imaging, legal restrictions related to personal privacy and electronic communication, examination of FAT and NTFS based file systems, forensic methodologies, and the proper documentation of digital forensic examinations. Prerequisite(s): FRSC 2713 or permission of instructor.

FRSC 5513 - Forensic Chemistry & Laboratory

Forensic Chemistry serves as a "hands-on" introduction to modern forensic chemistry. Topics and analytical techniques covered include sampling and statistics, sample preparation, instrumentation, and analyses related to drugs, arson, explosives, inks, paints and polymer evidence. Prerequisite(s): FRSC 2503 and CHEM 3454. Concurrent enrollment in FRSC 5513L required.

FRSC 5513L - Forensic Chemistry Laboratory

This is the laboratory course that accompanies FRSC 5513. Prerequisite(s): FRSC 2503 and CHEM 3454. Concurrent enrollment in FRSC 5513 required.

FRSC 5533 - Forensic Microscopy & Laboratory

Forensic Microscopy serves as a comprehensive microscopy course in modern forensic casework. Forensic methods and sample handling procedures developed specifically for microscopic samples will be discussed. An emphasis will be placed on microscopic analysis of forensic fiber and paint samples. Techniques covered include microscope alignment and focus, synthetic fiber and paint examination and developing and fine-tuning sample handling skills with microscopic samples. Prerequisite(s): FRSC 2503 and one course in biological sciences. Concurrent enrollment in FRSC 5533L is required.

FRSC 5533L - Forensic Microscopy Laboratory

This is the laboratory course that accompanies FRSC 5533. Prerequisite(s): FRSC 2503 and one course in biological sciences. Concurrent enrollment in FRSC 5533 is required.

FRSC 5543 - Advanced Firearm and Toolmark

Advanced Firearm and Toolmark Techniques and Laboratory is an advanced course focused on chemical restorative techniques and advanced scientific applications and techniques routinely seen in Firearm and Toolmark examinations. Techniques covered include distance determination, caliber and weapon determination, serial number restoration, toolmark examination, cartridge case/projectile macroscopic analysis, and courtroom testimony. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratories. Prerequisite(s): FRSC 5353. Concurrent enrollment in FRSC 5543L is required.

FRSC 5543L - Adv Firearm and Toolmark Laboratory

FRSC 5543L is the laboratory course that accompanies FRSC 5543 Advanced Firearm and Toolmark Techniques and Laboratory. Prerequisite(s): FRSC 5353. Concurrent enrollment in FRSC 5543 is required.

FRSC 5553 - WMD Forensics

Weapons of Mass Destruction (WMD) Forensics will cover chemical, biological, radiological, nuclear, and explosive (CBRNE) agents associated with domestic and international terrorism events. Students will be introduced to crime scene processing involving CBRNE events and the corresponding laboratory and field analyses. Prerequisite(s): FRSC 2503 or equivalent.

FRSC 5613 - Advanced Forensic DNA Analysis and Lab

Advanced Forensic DNA Analysis focuses on the most current theory and application of procedures used in the analysis of forensic DNA evidence. The course will provide students with a detailed understanding of the tools and methods used by DNA laboratories in the analysis of DNA evidence to prepare them for a career in forensic DNA laboratory. Specific topics covered by the laboratory component of this course include current research, development of instrumentation, novel applications, statistical interpretation of results and case report writing. Students will research and apply the most modern techniques in line with the quality control standards, while maintaining a strong foundation in scientific principles. Concurrent enrollment in FRSC 5613L Advanced Forensic DNA Analysis Lab is required.

FRSC 5613L - Advanced Forensic DNA Analysis Lab

FRSC 5613L is the laboratory course that accompanies FRSC 5613 Advanced Forensic DNA Analysis and Lab. Concurrent enrollment in FRSC 5613 is required.

Graduate Course Descriptions

FRSC 5633 - Digital Forensic Tools and Analysis & Lab

Digital Forensics Tools and Analysis & Lab will expose students to advanced concepts in digital forensic analysis and provide an in-depth study of the current tools used in the examination of digital evidence. Topics include: advanced legal concepts, analyzing media with Forensic Toolkit, EnCase, and open source tools, Windows registry analysis, acquisition and analysis of volatile data, E-mail analysis, data hiding techniques, metadata, data carving and log analysis. Prerequisite(s): FRSC 5463 or permission of instructor.

FRSC 5653 - Mobile Device Forensics & Lab

Mobile Device Forensics and Lab will present students with proper methodologies in the forensic examination of mobile digital devices. Students will use proper techniques for the collection and preservation of digital evidence on mobile devices and then will use current digital forensic tools to identify and recover data located on cell phones, tablets, and other hand-held digital devices. Prerequisite(s): FRSC 5463 or permission of instructor.

FRSC 5673 - Network Forensics & Lab

Network Forensics will introduce students to the tools and techniques of network-based incident response and cybercrime investigations. Students will be taught the fundamentals of internetworking including the OSI Model for network communications and the basic protocols of TCP/IP. Investigative techniques include network evidence acquisition, incident response, full packet capture forensic analysis with open source tools, and gathering/correlating sources of network statistics and logs. Prerequisite(s): FRSC 5463 or permission of instructor.

FRSC 5713 - Forensic Pharmacology

Forensic Pharmacology is an advanced course in modern toxicology related to therapeutic, illicit, and abused drugs. Topics covered include different types of cases encountered in forensic pharmacology; how the body reacts to and handles drugs and other exogenous substances when they are introduced into the body; understanding the effect of atypical enzyme isoforms on the course of drugs through the body and the implications for interpretation of analytical toxicology results; and the knowledge and understanding involved in formulating an opinion about drugs introduced into the body (doses, times, whether acute or chronic) and whether the drugs caused any effect (therapeutic, toxic, lethal) on the body. Prerequisite(s): FRSC 5323.

FRSC 5863 - Expert Witness

Expert Witness provides an in-depth analysis of the inter-relationship of science and the law. Topics will include the federal rules of evidence, case law impacting the admission of forensic evidence, and the role and responsibilities of an expert witness in U.S. courts. Students will explore the ethical responsibilities of the forensic scientist as an expert witness and experience testifying as an expert witness in a mock trial setting. Prerequisite(s): FRSC 5892.

FRSC 5873 - Research Methods in Forensic Science

Research Methods in Forensic Science is designed to acquaint students with quantitative and qualitative research methodologies, including an in-depth analysis of the following: conceptualization of research, types of sampling strategies, data collection methods, research design, and proposal writing. Prerequisite(s): permission of the instructor.

FRSC 5881 - Graduate Seminar

Graduate Seminar will acquaint students with a variety of critically important concepts in forensic science to include professional practice and responsibility in law enforcement and intelligence agencies. Students will review current topics in forensic science through a special seminar series presented by invited experts, UCO faculty, as well as participating graduate students. Topics covered will include recently published works, original research, and other current, relevant topics to the practice of forensic science.

FRSC 5892 - Professional Issues in Forensic Science

Professional Issues in Forensic Science is designed to acquaint students with a variety of critically important concepts in forensic science to include: law and science interface, current challenges in analysis and testimony, quality control and quality assurance implementation, case work management and crime lab management. In addition, the students will be introduced to current topics in forensic science through a special seminar series. Prerequisite(s): FRSC 5873.

FRSC 5900 - Practicum In Forensic Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FRSC 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FRSC 5920 - 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.

FRSC 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor.

FRSC 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 5950 - Internship In Forensic Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FRSC 5960 - Institute In Forensic Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor.

FRSC 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FRSC 5990 - Thesis

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor.

FRSC 6113 - Navigating Forensic Science Funding and Research

Graduate Course Descriptions

Navigating Forensic Science Funding and Research provides the student with an opportunity to apply, integrate, and demonstrate the knowledge and skills they have acquired during their D.Sc.-Forensic Science education. The student will be able to demonstrate the core competencies of a D.Sc. candidate by developing and writing a national level grant application and constructing a proposal for their dissertation research. The student will successfully orally defend their grant application and their knowledge of the topics covered in the D.Sc. program curriculum for advancement to doctoral candidacy.

FRSC 6123 - Advances in Forensic DNA and Forensic Chemistry
Advances in Forensic DNA and Forensic Chemistry focuses on providing the DSc. student with an opportunity to acquire, develop, and apply knowledge in these disciplines. The student will focus on advancing the fields of Forensic DNA and Forensic Chemistry by investigating the primary literature from closely related fields of study. Using the primary research material from the parent discipline, the student will develop, write, and present on how one would validate a new technique to the applied field of forensic science. Admission to DSc-Forensic Science program required.

FRSC 6133 - Advances in Trace Evidence and Digital Forensics
This course provides the DSc. student with an opportunity to acquire, develop, and apply advances in the disciplines of trace evidence analysis and digital forensics. The student will focus on advancing these fields by investigating the primary literature from closely related fields of study. Using the primary research material from the parent discipline, the student will develop, write, and present how one would validate a new technique to these applied fields of forensic science. Admission to the DSc-Forensic Science program required.

FRSC 6143 - Advances in Crime Scene Investigations and Impression Evidence

This course provides the DSc. student with an opportunity to acquire, develop, and apply knowledge in the disciplines of crime scene investigations and impression evidence. The student will focus on advancing these fields by investigating the primary literature from closely related fields of study. Using the primary research material from the parent discipline, the student will develop, write, and present how one would validate a new technique to these applied fields of forensic science. Admission to the DSc-Forensic Science program required.

FRSC 6203 - Advanced Forensic Program and Lab Management

Advanced Forensic Program and Laboratory Management is designed for potential new supervisors and experienced managers that have the responsibility to supervise a forensic unit or laboratory. Topics include training and certification of examiners, case and evidence management, emerging legal issues, and development of policies and procedures. The pros and cons of accreditation from organizations and compliance with standards will be covered. This course will also offer descriptions of what is required in the formation of a quality system in any laboratory.

This will be achieved through key principles of a QA/QC program with reference to the ANSI-ASQ National Accreditation Board (ANAB), Quality Assurance Standards for Forensic DNA Testing Laboratories, and ISO guidelines, together with specific examples from different forensic science specializations.

FRSC 6303 - Advanced Forensic Statistics and Modeling

Advanced Forensic Statistics and Modeling focuses on providing students the opportunity to acquire, develop, and apply knowledge of statistical methods to appropriate data and to use advanced statistical modeling techniques to interpret the results in context. Statistical methods covered include general linear models and linear mixed models, parametric statistics, regression, nonlinear models, mixed models in ANOVA, generalized linear models, and repeated measures experiments. Admission to the DSc-Forensic Science program required.

FRSC 6403 - Forensic Personnel Management and Diversity Awareness

Forensic Personnel Management and Diversity Awareness is designed to prepare DSc-FS students with a variety of critically important managerial concepts needed for the modern forensic laboratory to include: Legal issues for managers related to privacy, records, hiring, termination, performance evaluations, diversity, and inclusion; leadership and management styles; chain of command structures; professional responsibility and internal inquiry matters; and understanding expectations of managers for new and seasoned employees. Central to this course will be the DSc-FS student's discovery and development of communication styles, leadership theory, and management style. This process will be facilitated through a special seminar series, in which the DSc-FS students will resolve management and leadership challenges. Admission to DSc-Forensic Science program required.

FRSC 6503 – Global Perspectives in Forensic Science

Global Perspectives in Forensic Science is designed to prepare students with a spectrum of sentinel concepts, competencies, and practices in transnational and multi-national forensic science to include: Cultural and Geopolitical contexts, competency, and diversity: International Governmental, Judicial and Investigative organizational structures and functions; Legal and Judicial issues related to international forensic science practice and performance; Leadership, Liaison, and Management in the global arena; Global Professional Responsibility and International Inquiry matters; Managerial expectations and responsibilities in international forensic science operations. In addition, the students will be introduced to current topics in international and multinational forensic science management, communication, and practice through transformative liaison experiences and special seminar series. Admission to the DSc-Forensic Science program required.

FRSC 6910 - Forensic Science Research Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FRSC 6950 - Internship

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FRSC 6990 - Dissertation Research

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor.

GENERAL SCIENCE (GENS)

Department of Engineering and Physics

GENS 5900 - Practicum In General Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

GENS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GENS 5920 - 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.

GENS 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GENS 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

GENS 5960 - Institute In General Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

GENS 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

GENS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GEOGRAPHY (GEO)

Department of History & Geography

GEO 5103 - Historical Geography Of The U.S.

Geographical environment as it has modified and influenced the historical growth of the United States.

GEO 5113 - Geographic Information Systems

Geographic Information Systems offers intensive instruction in the skills of geographic information system technology and the methods of collecting, storing, assessing, and manipulating geographic information from a multidisciplinary perspective.

GEO 5503 - Geography Of South America

An intensive study of the geography of South America.

GEO 5733 - Urban GIS

Urban GIS offers advanced geographic information system techniques applied to urban and socio-economic issues including urban and regional, urban ecology, and demographic analysis.

GEO 5743 - Environmental GIS

Environmental GIS offers advanced geographic information system techniques for environmental/ecology applications including soil degradation, land use/land cover change, terrain modeling, ecosystem inventory, and native land management.

GEO 5900 - Practicum In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 5920 - Workshop in Geography

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.

GEO 5930 - Individual Study In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 5940 - Field Study in Geography

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

GEO 5950 - Internship In Geography

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

GEO 5960 - Institute In Geography

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

GEO 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

GEO 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GERMAN (GERM)

Department of Modern Languages, Literature & Cultural Studies

GERM 5000 - Workshop In German

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 2 hours of workshop may be counted on a master's degree.

GERM 5203 - German Culture & Civilization

Prerequisite(s): Eighteen hours of German.

GERM 5223 - Advanced German Grammar

Prerequisite(s): Eighteen hours of German.

GERM 5313 - 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 seminar 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): 17 hours of German course work.

GERM 5900 - Practicum In German

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for credit up to four hours. Prerequisite(s): Eighteen hours of German, and permission of instructor.

GERM 5930 - Individual Study 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 credit up to four hours. Prerequisite(s): Eighteen hours of German, and permission of instructor.

GERM 5950 - Internship In German

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

GERM 5960 - Institute In German

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

GERM 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

GERM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GERONTOLOGY (GERO) Department of Sociology, Gerontology & Substance Abuse Studies

GERO 5000 - Workshop

Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 2 hours of workshop may be counted on a master's degree.

GERO 5023 - Orientation to Gerontology

The purpose of this course is to present a broad overview of the major concepts and issues relevant to gerontology. These will include theories of aging, health and physiological aspects of aging, environmental design and retirement housing, leisure and recreation.

GERO 5213 - Health & Social Services For Seniors

This course focuses on health and social services available to seniors in the United States providing in-depth understanding of Medicare, Medicaid, Aging Network Services, housing, and private sector services.

GERO 5333 - Cross-cultural Perspectives in Aging

Cross-cultural Perspectives in Aging examines the processes of aging in various social and cultural contexts. The course critically investigates the presumed and tacit cultural conventions on aging across cultures and develops and enriches knowledge of other societies to heighten cultural awareness and sensitivity.

GERO 5342 - Politics of Aging

This course focuses on a range of political and policy issues that affect the well-being of seniors and the political realities of developing solutions to these needs and concerns.

GERO 5363 - Psychology of Aging

This course examines the psychological aspects of human aging. Focus areas include, psychological theories of aging, psychological research methods in aging field, dementias/psychopathologies of aging, and sensory, motor, and cognitive changes with aging.

GERO 5443 - Biology of Human Aging

The course examines the biological changes associated with human aging. Emphasis is given to theories of biological aging, maintenance of homeostasis, age changes in each body system, interactions among these systems, and diseases that commonly affect older adults.

GERO 5463 - Bereavement Counseling

This course will discuss death and dying, the stages of grief, hospice, the living will and techniques to be used in counseling the bereaved of all ages.

GERO 5523 - Qualitative Gerontology

This course is an in-depth study of qualitative research in Gerontology. Topics covered include methodological techniques, application of findings, and ethical considerations.

GERO 5731 - Drug Issues for Older Adults

This course will examine drug issues concerning older adults including prescription and over-the-counter drugs, problems encountered by the older adult taking multiple medications, substance abuse, health and safety guidelines, marketing effects, and economic concerns.

GERO 5743 - Colloquium in Gerontology

This course is designed to be the culminating experience for all gerontology majors. It will summarize all the work covered in the gerontology program and look at directions for the future in the field of aging. Prerequisite(s): Course should be taken during students last spring semester prior to graduation.

GERO 5823 - Gerontology Research

Gerontology Research focuses on fundamental research concepts, methods, and application in the discipline of Gerontology. This course is designed to build research skills and enable the student to become an efficient and effective consumer of research.

GERO 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERO 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERO 5920 - Directed Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERO 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERO 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

GERO 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

GERO 5970 - Study Tour

Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

GERO 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GUIDANCE (GUID)

Donna Nigh Department of Advanced Professional & Special Services

GUID 5013 - Principles/Ethics School Counseling

This course addresses the principles and ethical characteristics of successful helping professionals. Functions and practices basic to school counseling on both elementary and secondary levels will be examined with a focus on professional, ethical and legal responsibilities. Historical developments, current trends and issues will be addressed. This course includes the characteristics of effective counseling and the development of basic helping skills.

Graduate Course Descriptions

GUID 5113 - Theories/Techniques Group School Counseling

Introduction to the dynamics of groups by utilizing counseling theories and group techniques. Emphasis is placed on group process in the school setting; evaluation of group dynamics, observation, participation and conducting group counseling activities. Prerequisite(s): GUID 5163, Current Okla. Teaching Certificate (no teaching certificate alternative: ESFR 5523 and 5533).

GUID 5133 - Multicultural Counseling

A study of the use of counseling theories and techniques in pluralistic school settings. Emphasis will be placed on changes in human roles, discrimination on the basis of human characteristics, and concerns of subgroups. Skills such as conflict resolution and helping skills will be applied. Prerequisite(s): GUID 5163 and ESFR 5013.

GUID 5153 - Counseling Intervention Strategies

A study of the theoretical and practical aspects of helping children and adolescents cope with major life stressors common to this age group in contemporary society. Specific needs to be covered include divorce, drugs and alcohol, depression, stress, abuse, and others. Issues related to counseling minorities will be covered. Prerequisite(s): GUID 5163.

GUID 5163 - Theories/Techniques Individual/School Counseling

This course is an introduction to individual counseling theory and school counseling techniques. Emphasis is placed on major counseling theories, their underlying philosophies, assumptions and techniques as well as their strengths and weaknesses with an application in the school setting.

GUID 5172 - Capstone Experience School Counseling

An integration of the components included in the knowledge base under-girding school guidance and counseling with emphasis on preparation for professional examinations for national and state certification and licensure. Prerequisite(s): GUID 5903.

GUID 5193 - Abnormal Psychology School Personnel

A survey of the normal/abnormal continuum of behaviors with emphasis on behaviors that can and cannot be accommodated within institutional teaching/counseling programs. This includes a broad study of the major classifications of psychopathology as well as the etiology, progress and treatment of the disorder, as viewed from the major paradigms.

GUID 5213 - Counselor/Ethical Consultant

This course addresses the theory and practice of a counselor consultant in school, family, and community settings with a focus on professional, ethical, and legal responsibilities. The course will provide a thorough overview of what students and practicing mental health professionals need to know and demonstrate to effectively and ethically practice consultation and collaboration in a culturally competent manner.

GUID 5253 - Developmental School Counseling

Study of the design and management of a comprehensive developmental school counseling program. Emphasis on the planning and implementation of a school counseling curriculum appropriate for needs of all students. Prerequisite(s): GUID 5013 and ESFR 5153.

GUID 5333 - Individual Test Interpretation

A survey of individual tests, utilizing case studies and other appropriate techniques. Designed to enable school counselors and other service personnel to interpret and utilize the results of individual tests. Prerequisite(s): ESFR 5383.

GUID 5343 - Counseling Children/Adolescent

This course covers the process and interventions in counseling children and adolescents. Different models of play and activity therapy will be examined. Specific developmental issues will be examined along with how these issues can be addressed via the media of play and through therapeutic games and activities. This course includes clinical observation and discussion of the observed cases. Prerequisite(s): GUID 5153, 5163 or concurrent enrollment.

GUID 5443 - Career Counseling

An introduction to the theories of career development, use and interpretation of career inventory data and identification and use of community resources and materials appropriate for use in a career counseling program. Prerequisite(s): GUID 5013 or concurrent enrollment.

GUID 5652 - Developing Guidance Elementary School

A study of the typical needs common to the age groups found in elementary schools. There will be demonstrations of small and large group activities to provide for the optimal development of all elementary students. Topics will include coping skills, problem solving, social skills training, stress management, family relationships and others.

GUID 5900 - Practicum In Professional Counseling

Credit will vary from 1 to 4 hours. Supervised practical experience gained in a professional field by an advanced or graduate student. The Practicum has two components: A 50-hour on campus clinical experience and a 100-hour school counseling or agency experience for a total of 150-hours. Application and permission are required. Prerequisite(s): GUID 5163, 5113, 5153, 5193, 5213, 5333, 5343 & completed 51-hours of coursework.

GUID 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GUID 5920 - Workshop in Guidance

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.

GUID 5930 - Individual Study In Guidance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GUID 5940 - Field Study In Guidance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

GUID 5950 - Internship in School Counseling

Credit will vary from 1 to 8 hours. Supervised practical experience gained in a professional field by a graduate student. The internship has two components: a 50-hour on campus clinical experience and a 100-hour school counseling experience for a total of 150 hours completed during the last semester of the program. Application and permission are required. Prerequisite(s): GUID 5163, 5113, 5153, current Okla. Teaching Certificate (no teaching certificate alternative: ESFR 5523 and 5533), and all program key assessments.

GUID 5960 - Institute In Guidance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

GUID 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

GUID 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

HUMAN ENVIRONMENTAL SCIENCE (HES) Department of Human Environmental Science

HES 5910 - Seminar / Special Topics

Credit may vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HES 5940 - Field Study

Credit will vary from 1 to 0 hours. Subject matter will vary within the department's field of study.

HISTORY (HIST)

Department of History & Geography

HIST 5000 - Workshop In History

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 3 hours of workshop may be counted on a master's degree.

HIST 5013 - Historiography

Structured as a seminar, historiography covers the main currents in historical research, the writing of history, and the influence of the great historians from Herodotus to the present.

HIST 5023 - Graduate Colloquium

Graduate Colloquium is an intensive discussion course which requires graduate students to take the lead in directing the class through presentations and guided conversations

HIST 5033 - Graduate Readings

Graduate Readings focuses on a body of historical writing and prompts graduate students to analyze a number of perspectives in comparative framework.

HIST 5043 - Graduate Research

Graduate Research is an intensive historical research course which calls upon graduate students to formulate, research, and complete an original and distinctive work of historical analysis.

HIST 5103 - Europe, 1919 to 1945

Europe, 1919 to 1945, focuses on the political, economic, and cultural history of Europe from the immediate aftermath of the First World War until the end of the Second World War. Topics to be covered include Fascist Italy, Nazi Germany, and the Soviet Union.

HIST 5113 - 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 5123 - Israeli-Palestinian Conflict

A history of competing nationalisms in Palestine from the 1880s to the present. This course identifies the major participants, causes, ideologies, and attempted resolutions of the conflict.

HIST 5133 - Europe Since 1945

Europe Since 1945 focuses on the political, economic, and cultural history of Europe from the immediate aftermath of the Second World War until the present.

HIST 5143 - Crusade and Jihad

Crusade and Jihad explores ideas of crusade and jihad as they developed in Afro-Eurasia between the eleventh and thirteenth centuries.

HIST 5153 - History of Latin America

This course examines selected problems in Latin American history from the fifteenth century to the present. Prerequisite(s): Graduate standing.

HIST 5183 - Modern China

Modern China examines China since 1600 with emphasis on its cultures and traditions, the impact of the West, industrialization and modernization, and the revolutionary process in its society.

HIST 5193 - Modern Japan

Modern Japan examines major interpretations of the changes in Japan since 1600 with emphasis on its cultures, society, and international relations.

HIST 5203 - 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 5213 - Introduction To Historic Preservation

An introduction to the basic components of the field of historic preservation/conservation, including a brief history of American architecture and the preservation/conservation movement; preservation law; historic research and restoration of historic structures.

HIST 5233 - Maya, Aztec, and Inca Civilizations

Maya, Aztec, and Inca Civilizations is an overview of the culture and social structure of the Maya, Aztec, and Inca peoples during Pre-Columbian times.

HIST 5243 - The First World War

The First World War examines the claim that it was the first global and modern war while exploring fundamental moral and ideological dilemmas of the time. This course will study all major participants and campaign theatres, as well as the war's transformative impact on technology, diplomacy, national economies, relations between states and their citizens, and cultural creativity.

HIST 5253 - Black Power

Black Power in the Atlantic World addresses Black nationalist movements in a global perspective from the turn of the twentieth century. Prerequisite(s): HIST 1333 or HIST 1483 or HIST 1493 or HIST 4753 or HIST 4763.

HIST 5263 - American Southwest

American Southwest examines the social, cultural, political, economic, and environmental history of the region. Particular emphasis is placed on the diverse communities and cultures that have contributed to the Southwest's past and present.

HIST 5473 - 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.

HIST 5303 - Weimar And Nazi Germany

An in-depth study of the rise of national socialism during the Weimar Republic, the consolidation of power by Hitler, and Germany during WWII.

Graduate Course Descriptions

HIST 5313 - 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 5323 - U.S. Military Hist Since 1900

American development from the aftermath of the Spanish 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 5333 - 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 emergence of revolutionary movements in the 19th century.

HIST 5343 - 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.

HIST 5353 - Women's History: International

This course requires students to discuss, analyze and write about continuities and changes, from the nineteenth century onwards, in the "social organization of gender differences" particularly as this framework applies to women in five possible geopolitical regions: Southwest Asia, Asia, South Asia, Africa, and Latin America.

HIST 5403 - Southwest Native Nations

Southwest Native Nations examines the social, cultural, political, and intellectual history of Indigenous communities in the Southwest borderlands.

HIST 5413 - Women/Gender in Native America

Women/Gender in Native America examines the varied historical experiences of Native women within the broader context of changing gender roles in indigenous communities in North America.

HIST 5423 - Women in the American West

Women in the American West traces regional identity, mobility, and cultural representations in an effort to understand how women's diverse perspectives shaped the American West.

HIST 5433 - Colonial America

Colonial America covers American history from the pre-colonial period through the end of the Seven Years War in 1763.

HIST 5443 - Revolutionary American

Revolutionary America examines American history from the beginning of the Seven Years War in 1756 until 1815, with an emphasis on the social, political, and economic transformations that shaped the early American nation during this period.

HIST 5453 - Women's History: China

Women's History: China explores the history and culture of women in China from ancient through modern times, with emphasis on the agency of women in the face of Confucianism, Daoism, Buddhism, Communism, and state-sponsored Capitalism.

HIST 5463 - History of Ancient Greece

History of Ancient Greece is a study of ancient Greece civilization, with emphasis on Greek culture and intellectual achievements as part of the foundation of western culture.

HIST 5502 - Critical & Analytical Study Of History

A study of the discipline of history; its evolution, interpretation, and major historians.

HIST 5513 - 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 5523 - Museum Management

This course provides a comprehensive introduction to museum organization, law, ethics; contemporary museum issues; collections management procedures and policies; collections preservation.

HIST 5543 - Black Experience in American West

The 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, and soldiers.

HIST 5553 - Jacksonian America, 1815-1848

This course covers American History from 1815 until 1848, with emphasis on Jacksonian democracy, sectionalism, and manifest destiny. This course and Hist 5443 replaces 5533.

HIST 5563 - 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 5583 - History of American Technology

History of American Technology focuses on the technical development and the social, political and economic incorporation of various technologies into American culture from Colonial times to present. In addition to discussion of a variety of specific technologies, the course will introduce students to the complex challenges facing historians studying the development of technology in human societies, including discussion of the historiography of the history of technology, social constructionism, technological determinism, and appropriate technologies. Prerequisite(s): HIST 1483 or HIST 1493.

HIST 5603 - Gilded Age and Progressive Era

Guided Age and Progressive Era examines the transformations triggered by industrialization, urbanization, immigration, and imperialism from the end of Reconstruction in 1877 to the end of World War I in 1918.

HIST 5613 - Americans In 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 5623 - Museum Theory and Practice

Museum Theory and Practice focuses on the interpretation of material culture and includes research and exhibit planning and evaluation, contemporary issues in museum interpretation, museum education, and the public dimension of museums. Prerequisite(s): HIST 5523 Museum Management.

HIST 5633 - History Of U.S., 1919-1945

This course is a detailed study of American history from World War I to end of World War II.

Graduate Course Descriptions

HIST 5643 - 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 5653 - Tudor-Stuart England

Tudor-Stuart England covers important political, military, cultural, and social developments in England from Henry VII to Queen Anne (1485 to 1714).

HIST 5663 - 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 5683 - Victorian Great Britain

The scope of this course embraces the long and eventful reign of Queen Victoria (1837-1901) and includes but is not limited to such topics as institutions, politics, religion, the working-class movement, and the extensive expansion of the British Empire, and with bibliographical emphasis on the same.

HIST 5713 - 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 5723 - American West

American West examines the political, social, cultural, and environmental history of the North American West.

HIST 5753 - Atlantic Slavery

Atlantic Slavery offers a comparative overview from the start of the Atlantic slave trade through the mid-nineteenth century. Prerequisite(s): Graduate level standing. Admission to a Graduate Program.

HIST 5763 - Black Intellectual History

Black Intellectual History offers a detailed approach to black social and intellectual history in the Americas from the mid-nineteenth century to the present. Prerequisite(s): Graduate level standing. Admission to a Graduate Program.

HIST 5773 - Modern German History

Modern German History focuses on the German unification struggle arising out of the French Revolution, the development of the German state and society, the First World War, the Weimar Republic, the Nazi dictatorship, the division of Germany after the Second World War, and the causes and consequences of reunification.

HIST 5823 - Social & Cultural History Of U.S. To 1865

Social & Cultural History of the U.S. to 1865 is a study of the social, cultural and intellectual life of the United States from colonial times to 1865.

HIST 5833 - Social & Cultural History Since 1865

Social & Cultural History of the U.S. since 1865 is a study of the social and cultural history of the United States from the Civil War to the present.

HIST 5843 - 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. specially designed for students working toward teacher education certification in American history.

HIST 5863 - History of Modern Southeast Asia

Traditional cultures and religions; impact of western colonialism; nationalist movements and formation of nations; development of representative governments; and contemporary roles in international relations.

HIST 5873 - United States since 1945

United States since 1945 examines the political, social, economic, and cultural changes in the United States from World War II to the present.

HIST 5883 - 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 5893 - 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 5900 - Practicum In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

HIST 5920 - Directed Reading In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 5930 - Individual Study In History

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

HIST 5940 - Field Study In History

Credit will vary from 1 to 6 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

HIST 5950 - Internship In History

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

HIST 5960 - Institute In History

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HIST 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

HIST 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

HEALTH (HLTH)

Department of Kinesiology and Health Studies

HLTH 5113 - Foundations of Public Health

This course provides an in-depth study of the theory and application of health promotion with emphasis on research related to determinants of health. Factors that influence health-related behaviors as well as the role of individuals, groups, institutions, social structures, and policy in encouraging and discouraging healthy behaviors will be examined.

Graduate Course Descriptions

HLTH 5153 - Community Theory and Practice

This course provides an in-depth study of the history of public health, examining public health functions, principles, and concepts. It provides a broad framework for understanding public health's role in public health, prevention, and medicine. Students will explore public health infrastructure, surveillance, social determinants of health, and policy as well as emerging issues in the field. Students will build their public health competency by investigating a wide range of public health issues, including both chronic and infectious disease, and the impact of the environment on population health.

HLTH 5203 - Organization & Administration Of Community Health

A study of the organization and administration of community health programs with emphasis on organization and presentation of materials, concept formations, relationships to public education and educational law, implementation and coordination with other agencies.

HLTH 5213 - Organizational Behavior and Leadership

This course is designed to generate competence for prospective directors, managers, and administrators in wellness settings. Technical and conceptual skills of organizational behavior and leadership will be discussed and applied to wellness program scenarios and settings in agencies, industries, and hospitals; the focus will be on improving the health and well-being of persons in these settings. Prerequisite(s): Graduate standing.

HLTH 5223 - Contemporary Issues in Health Promotion

This course investigates contemporary (and often controversial) problems or issues related to the field of public health. The field of public health is dynamic, requiring professionals who can articulate and examine both endemic and novel problems as well as multifactorial solutions. Specific issues addressed in the course will largely be determined by the historical appropriateness and current attention placed on the topics. While attention is given to increasing awareness of contemporary issues, course emphasis will focus on critical thinking, rational development, and evaluation of viewpoints on these issues..

HLTH 5313 - Program Planning and Evaluation in Public Health

This course provides application of the program planning process with specific focus on health promotion. Emphasis will be placed on critical examination and discussion of models and processes used to systematically plan and evaluate public health interventions. Students will develop skills in needs assessment, program planning, and evaluation by developing a data-driven health promotion program and evaluation plan. Prerequisite(s): Graduate standing.

HLTH 5333 - Health Equity and Determinants of Health

This course is designed to examine the impact of social, economic and environmental determinants of health on populations. This course will explore policy and programs needed to meet the CDC goal, which states that "health equity is achieved when every person has the opportunity to 'attain [their] full potential' and no one is 'disadvantaged from achieving this potential because of social position or other socially determined circumstances.'" Prerequisite(s): Graduate standing.

HLTH 5423 - Grant Writing in Health

This course provides knowledge and application of the grant writing process with specific focus on the health and wellness fields. This will include the development of skills required for Request for Proposals, writing, budgeting and submission of grants. The course will provide examples of sources to obtain grants and the differences that exist among different granting agencies.

HLTH 5433 - Quantitative Methods

This course provides an overview of the quantitative research process, including the formulation of a research problem, literature review, research design, data collection methods, and data analysis. This course will also discuss the importance of conducting and reporting ethical research.

HLTH 5443 - Leadership and Management in Public Health

This course will provide an overview of basic concepts, functions, and theories of leadership and management with a focus on human resources, decision-making, conflict resolution, and process improvement. This course provides students the opportunity to identify personal leadership characteristics and values through various assessment tools. This course will explain and apply fundamentals and processes of a grant lifecycle as a resource to promote health for all.

HLTH 5463 - Epidemiological Methods

This course provides an introduction to basic epidemiologic concepts used to study health and disease in populations. The principles and methods of epidemiology investigation will be studied, including both infectious and non-infectious diseases. Students in this course will also examine observational and experimental epidemiologic studies, including the advantages and disadvantages of each.

HLTH 5523 - Physical Activity & Public Health

This course focuses on current physical activity issues as they relate to public health. Emphasis will be placed on the recommendations for physical activity, trends in physical inactivity, the beneficial effects of physical activity on various health-related outcomes, determinants of physical activity, methods used to measure physical activity, and strategies to promote physical activity in individuals and populations. Prerequisite(s): KINS 5103, KINS 5233, and KINS 5393. Enrollment open to Wellness Management majors only.

HLTH 5533 - Public Health Policy & Ethics

This course provides an understanding of how policy in the U.S. is initiated, formulated and implemented. This course provides an overview on the impact of policies and regulations involved in delivering health care services and the ethical issues raised. This course explores the moral relevance of health and the use of ethics in the assessment of health policy. This course will familiarize students with a number of theories of social justice.

HLTH 5613 - Instructional Strategies for Sexuality Education

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 health setting within a comprehensive health education framework.

HLTH 5633 - Qualitative Methods

This course provides an overview of the qualitative research process, including the formulation of a research problem, literature review, research design, data collection methods, and data analysis. This course will also discuss the importance of conductive and reporting ethical research.

HLTH 5833 - Community Engagement

This course is the capstone for MPH in Community Engagement. This course centers around a public health intervention in the community carried out with an interprofessional team. Students will practice cultural sensitivity and audience-appropriate communication skills while applying systems thinking tools to a public health issue.

Graduate Course Descriptions

HLTH 5900 - Practicum In Health

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 5920 - Workshop in Health

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.

HLTH 5930 - Individual Study In Health

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 5940 - Field Study In Health

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

HLTH 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

HLTH 5960 - Institute In Health

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HLTH 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

HLTH 5980 - Graduate Project

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

HLTH 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

HUMANITIES (HUM)

Department of Humanities & Philosophy

HUM 5083 - Advanced Film Criticism

This course covers the advanced theory and practice of scholarly film criticism, as distinct from film journalism.

HUM 5103 - World Religions

World Religions 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 their own convictions and those of others. Emphasis will be given to the major religious traditions of Hinduism, Buddhism, East Asian Religions, Judaism, Christianity, and Islam. Other religious traditions will be explored as time permits.

HUM 5113 - Ancient Traditions

Ancient Traditions is an interdisciplinary humanities course that examines the accomplishments of remote antiquity. The art, literature, music, and philosophies of the ancient Greeks and Romans will be given equal emphasis to provide a comprehensive understanding of the foundations of Western Civilization.

HUM 5123 - Pagan Europe

Pagan Europe 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 are evaluated to extrapolate both their peculiar characteristics and their universal aspects.

HUM 5133 - Medieval Traditions

Medieval Traditions is an interdisciplinary humanities course that examines the accomplishments of the Medieval period. The art, literature, music, and philosophies of Medieval Europe will be given equal emphasis to provide a comprehensive understanding of the foundations of Western Civilization.

HUM 5143 - Women, Witches, and Religion

Women, Witches and Religion examines the phenomenon of women when her worldview lies outside the norm for adult females of her period. It explores as well society's responses in their historical, literary, psychological and philosophical/religious dimensions from the biblical period to the present, to specific divergences from that norm as maenads, oracles, martyrs, anchorites, witches, hysterics, and modern day adherents of Wicca.

HUM 5153 - Enlightenment Traditions

Enlightenment Traditions is an interdisciplinary humanities course that examines the accomplishments of the Enlightenment. The art, literature, music, and philosophies of Enlightenment Europe (with focus on the 18th century) will be given equal emphasis to provide a comprehensive understanding of the Enlightenment period of Western Civilization.

HUM 5163 - The Heroic Tradition

The Heroic Tradition allows students to deepen understanding of the main themes, figures, and works representing the tradition of the hero in literature, art, and legend throughout the Western tradition: the Homeric epics and the artistic tradition associated with them, Roman modifications of the idea of the hero, the influence and Christianization of the Vergilian hero, the heroicization of rulers and imperial powers, and the representation of the hero in sculpture, opera, other arts.

HUM 5173 - Eastern Traditions

Eastern Traditions is a broad introduction to East Asian humanities. Students examine some of the most important literature, art, religion, and philosophy of Asia, with a focus on India, China, Japan and Southeast Asia. An interdisciplinary approach to understanding the varying civilizations of Asia will be employed so that students are able to analyze these artistic works in their cultural context.

HUM 5183 - Romantic Traditions

Romantic Traditions deepens understanding of the main themes, figures, and works of the European Romantic era. Students examine the ongoing influence of the Romantic tradition in more contemporary works.

HUM 5203 - Early Modern Traditions

Early Modern Traditions is an interdisciplinary humanities course that examines the accomplishments of the early modern West. The art, literature, music, and philosophies of Europe (and, to a lesser extent, Colonial America), with focus on the Renaissance, the Baroque and Rococo periods, and the Enlightenment, will be given equal emphasis to provide a comprehensive understanding of the foundations of Western Civilization.

Graduate Course Descriptions

HUM 5213 - Modern & Contemporary Traditions

Modern & Contemporary Traditions is an interdisciplinary humanities course that examines the accomplishments of the modern West. The art, literature, music, and philosophies of Modern Europe and the United States (with focus on the 19th, 20th, and early 21st centuries) will be given equal emphasis to provide a comprehensive understanding of the foundations of Western Civilization.

HUM 5233 - Anthropology of Religion

Anthropology of Religion provides an advanced overview of the anthropology of religion. The class covers various ways of understanding religion through an anthropological lens, including the study of ritual, rites of passage, shamanism, myth, witchcraft, and primal religions in a cultural context.

HUM 5243 - Women in the Humanities

Women in the Humanities examines the phenomenon of the historical unfolding story of women's place in the evolution of Western civilization from prehistory to the present. Bringing together aspects of political, economic, religious, intellectual, artistic, and social history, it traces the contribution of women—and barriers placed upon them—in public and private life.

HUM 5303 - National Cinemas

National Cinemas focuses on the cinema of an individual country set within the context of the discussion of film on a transnational level in the 21st century. Students will employ the techniques of formal film analysis towards an understanding of individual films and the creation of a national cinema.

HUM 5433 - The Origins of the Bible

The Origins of the Bible will examine the historical, philosophical, and cultural origins of the most influential texts of the Western tradition: The Old and New Testaments. The interdisciplinary methodologies of the humanities will be brought to bear on these texts to provide the student with a more comprehensive picture of the origins and transmutations of The Bible.

HUM 5513 - Dante's Inferno

In this course, students will be immersed in the mind of the high middle ages through a close reading of Inferno, the first canticle of Dante's epic poem The Divine Comedy. Students will follow Dante on his journey through Hell, exploring his view of humanity, history, theology, poetry, and the classical past. Students will learn to read "archetypally" by approaching the poem through Dante's fourfold method: students will read each canto not just on the literal level of the sensory experience, but also on the typological (allegorical), tropological (moral), and finally anagogical (transcendent or spiritual) levels.

HUM 5521 - Methods for Liberal Studies

Methods for Liberal Studies will review the fundamental research skills that are used in the Liberal Arts: critical thinking, clarity in writing, creative problem solving, engaged reading, and effective analytical and synthetic methodologies. Students will be challenged to think about the writing process itself, and the processes that are involved in effective written and oral communication of ideas.

HUM 5603 - Medieval Folklore

Medieval Folklore explores the various forms of Medieval folklore and folklife, with emphasis on the cultural experiences of the common people. Topics include material culture, legends, superstitions, folk belief, rituals and festivals, childhood, foodways and other pertinent areas.

HUM 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 5920 - 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.

HUM 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 5940 - Field Study In Humanities

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

HUM 5950 - Internship In Humanities

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

HUM 5960 - Institute In Humanities

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HUM 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

HUM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

INSTRUCTIONAL MEDIA (IME)

Donna Nigh Department of Advanced Professional & Special Services

IME 5013 - Young Adult Library Resources

This course examines qualitative historical and contemporary resources for young adult library collections and presents school librarian and teach techniques for creating meaningful literature experiences and methods of fostering lifelong reading habits. Evaluation, examination, and application of intellectual freedom, genres, themes, literary aspects, assessment criteria, authors and curriculum integration are studied.

IME 5023 - Materials Selection

Principles of resource selection, including policy statements, selection tools, selection criteria for all formats, community factors, collection needs and acquisitions, the publishing industry, and legal issues will be examined. Emphasis is on school media centers. Students will receive extensive practice in evaluation of materials through use of a variety of recognized professional reviewing journals. This course replaces LME 5023 which replaced LME 5022.

IME 5042 - Microcomputers In Classrooms/Media Centers

A study of the appropriate utilization of microcomputers in classrooms and media center. Major emphasis is placed upon selection and evaluation of instructional software, making use of available bibliographic resources.

Graduate Course Descriptions

IME 5053 - School Library Administration

This course examines national, regional, and state guidelines and standards; administrative philosophies; leadership approaches; management theories; and policy development for organizing, administering, and integrating school library media center facilities, staff, resources, and budgets into the total school program.

IME 5063 - School Library Foundations

This is an overview course to introduce the history, nature, development, roles, and fundamental issues in the school library media center. Students are introduced to the mission of a school library and the elements of an ideal school library media program. Foundational production skills are established and program requirements are explained. National and state standards are highlighted, as are professional organizations and the major databases and professional journals utilized in school library research.

IME 5133 - Production in School Libraries

This course is designed to explore concepts of school library production procedures including software and equipment. It focuses on technology integration, preparation of instructional multimedia tools and marketing plans. This course replaces LME 5133 which replaced LME 5132.

IME 5223 - Collaborative Instructional Processes

The main focus of this course is the unique role of facilitating instructional team partnerships and integrating information literacy and information access into the school's curriculum. Emphasis includes teaching information literacy skills and creation of lessons/units to integrate those skills across various curriculum areas of PreK-12 schools. Students will analyze and apply national and state Information Literacy standards and collaborate with classroom teachers to plan, produce, and co-teach an integrated teaching unit.

IME 5233 - Children's Library Resources

This course is designed for the prospective teacher or librarian who requires competence in building print and non-print collections supportive of the elementary school curriculum. It surveys qualitative historical and contemporary resources for children's library collections and presents school librarian and teacher techniques for creating meaningful literature experiences and methods of fostering lifelong reading habits. Evaluation, examination, and application of intellectual freedom, genres, themes, literary aspects, assessment criteria, authors, illustrators, and curriculum integration are studied.

IME 5243 - Effective Writing for School Libraries

This course emphasizes writing that is required in the school library media center field. It focuses on the creation of reports by analyzing, evaluating, and synthesizing information. Students develop skills in writing, as applied to grant proposals, communication, formal and informal, and school library media center policies. Styles of writing audiences are examined.

IME 5313 - Collaborative Design/Multimedia Materials

This course focuses on the design of educational multimedia materials. It is an applications- and research- based experience for students who have completed introductory level instructional technology courses and want to learn more about the design and development of multimedia instructional packages. The main objective of the course is to enable students to experience working as part of a multimedia team to design an instructional package for a client.

IME 5333 - Advanced Literature Resources

This advanced literature course includes an intense study of how school librarians and teachers utilize stories including but not limited to adventure, historical fiction, mysteries, myths, science fiction, realistic fiction, allegories, parodies, utopias, dystopias, legends, fables, and folktales; drama; poetry and nonfiction. Graphic, digital, and print formats will be included. Areas of focus include reading promotion, strategies for content area reading, integration of technology and reading, multi-ethnic and diverse points-of-view and implementation of the Common Core Standards. Prerequisite(s): Graduate Standing.

IME 5423 - Library Information Retrieval Systems

This course introduces students to the practice of locating, evaluating, and using information in school libraries. Special emphasis includes use of electronic resources, databases, indices, and online reference materials.

IME 5453 - Collection Management

This course will prepare school librarians to provide their patrons with the most successful access to their school library collection, with emphasis on professional selection/reviewing tools. Experience will be gained in electronic database and index usage as well as electronic cataloging and classification systems. Students will develop skills to apply the principles of description (cataloging) and organization (classification) of print and multimedia resources and will become familiar with integrated library systems, and the consideration of various cataloging services and subscriptions relevant to the school library environment.

IME 5533 - School Library Advocacy

Students will learn to position the school library program as an essential force in preparing 21st century learners. Key concepts will include using research and evidence-based practices to develop influence and build relationships within the school and community. Students will plan and write a multi-year school library advocacy plan designed to implement the library's mission while strengthening personal leadership skills and advancing professional growth. In addition, PR/advocacy materials and campaigns will be designed, written, and implemented.

IME 5543 - Instructional Design & Development I

This course is a study in cooperative designing of instruction. Areas covered include determining instructional objectives, planning motivational strategies, and designing multimedia learning activities.

IME 5863 - School Library Technology

This course examines the effective implementation of technology to enhance digital literacy in the school library media center. The course includes strategies for locating, evaluating, selecting, and using appropriate information; assessing reliable access to current and emerging technologies; utilizing technology for organization and management; evaluating technology for global communication, networking, and sharing; and promoting digital citizenship and responsibility.

IME 5883 - Capstone in Library Media

This course will provide culminating experiences in the Library Media Education graduate program. Candidates will complete all field-based experiences; evaluate and analyze all program knowledge and skills acquired; and provide a reflective review of all areas. In addition, students will be reviewed and prepared for certification testing and all graduate Portfolio projects will be completed, submitted, and evaluated. Prerequisite(s): This course is taken the final semester. Enrollment open to Library Media Education majors only.

Graduate Course Descriptions

IME 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IME 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

IME 5920 - 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.

IME 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems of special subjects based on approved outlines or plans, conferences, oral and written reports.

IME 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

IME 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

IME 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

IME 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

IME 5990 - Thesis

Credit will vary from 1 to 6 hours. 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 5143 - Computing Systems For Mgmt

This course provides students with practical knowledge, skills, and hands-on experience necessary to develop and use end-user information systems. Particular emphasis is given to the appropriate use of computer applications to enhance management problem solving and communication. Prerequisite(s): Completed all prerequisites for the MBA Program.

ISOM 5243 - Database Design/Implementation

This course examines the fundamental concepts necessary for planning, designing, using, and implementing database systems. This course will stress database modeling and design, the languages and facilities provided by database management systems, and system implementation techniques. Through case studies, students will be asked to apply concepts learned to solve actual database management systems problems in business organizations. Prerequisite(s): Completed all prerequisites for the MBA Program and ISOM 5143.

ISOM 5333 - 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.

ISOM 5343 - Decision Support Systems

The design and development of end-user microcomputer applications that support semi-structured decision making in all levels of business organizations. Conceptual topics will include the decision-making process, organizational data access and integration, building decision models, and design of graphical user interfaces. Students will use microcomputer client applications to gather data from multiple data sources and apply decision models from management science, accounting, finance, marketing or other business areas to provide support for business decisions. Students will be expected to design and demonstrate prototype decision support projects in the context of a real business problem. Prerequisite(s): Completed all prerequisites for the MBA Program and ISOM 5143.

ISOM 5533 - Management Science

This course is designed to lead students through the fields of management science/operations research and their applications in the business world, with an emphasis on modeling. The topics covered in this course include decision theory, utility theory, forecasting, linear programming modeling, the simplex method, sensitivity analysis, the transportation and assignment models, and project management. Students are introduced to the use of computer software packages which are designed for the analysis of a wide variety of business problems. Prerequisite(s): Completed all prerequisites for the MBA Program.

ISOM 5633 - Operations Management & Analysis

A study of operations management and its role in contributing to an organization's competitive strengths along the dimensions of quality, cost, flexibility, and time. The relationship of product and service quality to productivity and costs. Conceptual issues and quantitative methods of decision making by operation management at the strategic, tactical, and operational levels. Prerequisite(s): Completed all prerequisites for the MBA Program and ISOM 5533.

ISOM 5733 - Advanced Management Science

This course is a continuation of the management science (ISOM 5533) course. The main objectives of this course are to introduce students to more advanced theory and techniques in the fields of management science/operations research and their application in the business world. Covered topics include decision theory, queuing, simulation, goal programming, integer programming, and the implementation of management science in organizations. Prerequisite(s): Completed all prerequisites for the MBA Program and ISOM 5533.

ISOM 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 5920 - 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.

ISOM 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the Department's field of study.

ISOM 5950 - Internship

Credit may vary from 1 to 8 hours.

Graduate Course Descriptions

ISOM 5960 - Institute

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ISOM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

JAPANESE (JAPN)

Department of Modern Languages, Literature & Cultural Studies

JAPN 5900 - Practicum In Japanese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

JAPN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary from within the department's field of study.

JAPN 5920 - Workshop in Japanese

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.

JAPN 5930 - Individual Study In Japanese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

JAPN 5940 - Field Study In Japanese

Credit will vary from 1 to 9 hours. Subject matter will vary from within the department's field of study.

JAPN 5950 - Internship In Japanese

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

JAPN 5960 - Institute In Japanese

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

JAPN 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

JAPN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

KINESIOLOGY (KINS)

Department of Kinesiology and Health Studies

KINS 5013 - Foundations of Wellness Management

This course will provide a broad overview of the foundations of the field of Wellness Management. Content will include history of the discipline, current practices and theoretical applications, and future directions. Prerequisite(s): Enrollment open to Wellness Management majors only.

KINS 5103 - Physiological Basis of Human Movement

Physiological Basis of Human Movement will provide a study of the physiological effects of physical exercise on the human body. Prerequisite(s): PHED 3503.

KINS 5113 - Legal/Ethical Principles Of Wellness Management

This course provides students with the opportunity to gain insight and understanding about the law and its implications on professionals in the fields of health, wellness, sport, education, leisure, and fitness. Prerequisite(s): Graduate standing.

KINS 5203 - Physical Activity and Aging

This course is a study of the physiological, psychological, and social aspects of physical activity for older adults. Topics covered include an overview of aging, benefits of physical activity throughout the lifespan, and fitness assessment and programming options for older adults. Prerequisite(s): KINS 5103, and KINS 5303 is recommended. Enrollment open to Wellness Management majors only.

KINS 5223 - Technology & Media For Wellness Managers

This course provides wellness professionals with the skills to initiate, maintain, and expand technology and media into daily business. It also emphasizes obtaining resources, information, skills, and strategies through practical application. Prerequisite(s): Graduate standing.

KINS 5233 - Assessment in Wellness Mgmt

This course is designed to provide instruction in three common statistical tasks: 1) collecting data, 2) summarizing and exploring data, and 3) drawing conclusions and making decisions based on data.

KINS 5303 - Exercise Testing & Prescription

This course is designed to enhance the student's knowledge and application of exercise testing and exercise prescription for apparently healthy populations. Prerequisite(s): Graduate standing and KINS 4513, KINS 4523, and KINS 5103.

KINS 5313 - Prevention & Health Promotion Principles

This course introduces principles, techniques, and skills related to injury prevention, health promotion and patient centered care administration. The student will be exposed to prevention techniques, standards of professional/ethical practices and professional advocacy related to health care delivery. Prerequisite(s): Enrollment open to Athletic Training majors only. Concurrent enrollment in KINS 5623.

KINS 5321 - Interprofessional Education I

An interprofessional education, cross-curricular course for health professionals that integrates team-based learning utilizing evidence-based practices and research to improve patient-centered care. Prerequisite(s): KINS 5313. Concurrent enrollment in KINS 5343 is required.

KINS 5333 - Exercise Apps for Special Populations

This course is designed to increase the student's working knowledge about special populations in the areas of physical assessment and exercise prescription. Prerequisite(s): Graduate standing and KINS 5103.

KINS 5343 - Examination & Diagnosis II - Upper and Lower Extremities

This course will teach and evaluate essential knowledge, skills and techniques related to the examination and diagnosis of upper and lower extremities injury, conditions and diseases. The student will utilize and apply anatomy, physiology, and pathomechanics to formulate a diagnosis and develop intervention plans for patient centered care. Prerequisite(s): Enrollment is open to Athletic Training majors only. Concurrent enrollment in KINS 5413 and KINS 5321.

Graduate Course Descriptions

KINS 5363 - Examination & Diagnosis III - Axial Spine

This course will teach and evaluate essential knowledge, skills and techniques related to the examination and diagnosis of axial spine injuries, conditions and diseases. The student will utilize and apply anatomy, physiology, pathomechanics to formulate a diagnosis and develop intervention plans for patient centered care. Prerequisite(s): KINS 5343. Concurrent enrollment in KINS 5523 is required.

KINS 5381 - Interprofessional Education II

A scenario-based curricular course integrating team based learning to improve patient centered care by teaching collaborative learning utilizing research for health care providers. This course is a student led, clinical integration course. Prerequisite(s): KINS 5321. Concurrent enrollment in KINS 5363 is required.

KINS 5393 - Research in Wellness Management

This course is an overview of concepts and procedures necessary for designing, conducting, and analyzing research in Kinesiology and Health Studies from multiple research paradigms. The course will focus on the steps involved in the administration of a research project, including literature review, design, data collection, and analysis. Prerequisite(s): Graduate standing and KINS 5233.

KINS 5403 - Biomechanical Basis of Human Movement

The principles of classical mechanics are applied to the study of human motion to provide students with an understanding of the internal and external forces acting on the body during human movement. The role of muscle in generating force and controlling movement is emphasized. Prerequisite(s): PHED 3333 and HLTH 3223.

KINS 5413 - Athletic Training Clinical I

This athletic training clinical experience course requires demonstration of prevention, evaluation, and management skills related to acute and chronic conditions requiring triage for immediate and emergent care. The course provides both a didactic lab and clinical patient/client care opportunities for hands-on learning of acute care, prevention and health promotion techniques supervised by a preceptor at an athletic health care facility. Travel is required and is the responsibility of the student. Prerequisite(s): KINS 5343. Enrollment open to Athletic Training majors only. Concurrent enrollment in KINS 5343.

KINS 5423 - Strength Development & Training Methods

This course is designed to address strength development and training in the context of exercise science, sports medicine, preventive medicine, health psychology and behavioral medicine, epidemiology, nutrition, and rehabilitative medicine. The focus will be the blending of theory-driven research with the practical applications of exercise prescription to specific training paradigms and that relationship to exercise adherence, maintenance, and relapse. Prerequisite(s): PHED 3503 and graduate standing.

KINS 5433 - Therapeutic Interventions I — Modalities & Manual Therapies

This course will teach and evaluate essential knowledge, skills and techniques related to the therapeutic modalities and manual therapies interventions. The student will select and incorporate physics, chemistry, physiology and pathophysiology to develop therapeutic intervention plans for patient centered care. Prerequisite(s): KINS 5313. Enrollment open to Athletic Training majors only. Concurrent enrollment in KINS 5413.

KINS 5443 - Athletic Training Clinical II

This athletic training clinical experience course requires demonstration of prevention, evaluation, and management skills related to evaluation/diagnosis of the upper and lower extremities and therapeutic modalities interventions. The course provides both didactic lab and clinical patient/client care opportunities for hands-on learning of evaluation techniques and therapeutic interventions supervised by a preceptor at an athletic health care facility. Travel is required and is the responsibility of the student. Prerequisite(s): KINS 5413. Enrollment is open to Athletic Training majors only. Concurrent enrollment in KINS 5523.

KINS 5513 - Examination & Diagnosis IV — Medical Conditions

This course will teach and evaluate essential knowledge, skills and techniques related to the examination, diagnosis and pharmacology related to the treatment of the medical conditions and diseases. The student will utilize and apply anatomy, physiology, pathophysiology to formulate a diagnosis and develop medical intervention plans for patient centered care. Prerequisite(s): KINS 5723. Enrollment is open to Athletic Training majors only. Concurrent enrollment in KINS 5733.

KINS 5523 - Therapeutic Interventions II — Rehabilitation and Corrective Exercises

This course will teach and evaluate essential knowledge, skills and techniques related to the therapeutic rehabilitation and corrective exercises. The student will select and incorporate anatomy, physiology, and exercise physiology to develop therapeutic rehabilitation interventions plans for patient centered care. Movement and task-specific functional training will also be taught and evaluated in this course. Prerequisite(s): KINS 5433. Enrollment is open to Athletic Training majors only. Concurrent enrollment in KINS 5433.

KINS 5613 - Therapeutic Interventions III — Clinical Rehab & Manual Interventions

This athletic training clinical experience course requires demonstration of rehabilitation interventions related to patient centered care. The students will select and apply therapeutic/corrective exercises and manual therapies for pre-op, post-op and patients with nonsurgical conditions. The course will provide both a didactic lab and clinical patient/client care opportunities for hands-on learning as it relates to rehabilitation interventions supervised by a preceptor at an athletic health care facility. Travel is required and is the responsibility of the student. Prerequisite(s): KINS 5523. Enrollment open to Athletic Training majors only. Concurrent enrollment in KINS 5733.

KINS 5623 - Examination & Diagnosis I - Acute Care

This course will teach and evaluate essential knowledge, skills, and techniques related to the examination and diagnosis of the acute and emergent injuries, conditions and diseases. The student will utilize and apply anatomy, physiology, pathomechanics to formulate emergency care interventions. Prerequisite(s): Enrollment is open to Athletic Training majors only. Concurrent enrollment in KINS 5313.

KINS 5633 - Transition to Professional Practice

This capstone course provides information and learning opportunities to prepare graduate athletic training students to transition to professional practice. This course provides students with opportunities for self-assessments of professional competence, establishment of professional goals, employment preparation, career planning, and a review of licensure and certification requirements. Prerequisite(s): KINS 5513. Concurrent enrollment in KINS 5743 is required.

Graduate Course Descriptions

KINS 5713 - Patient Centered Care Administration

This course is the study of health care administration. Major content areas include physical, human and financial resources related to patient centered care services. Health care informatics, leadership and professional advocacy will be taught and evaluated to policy/decision making in a global society. Prerequisite(s): KINS 5443. Enrollment open to Athletic Training majors only. Concurrent enrollment in KINS 5723.

KINS 5723 - Psychosocial Interventions — Behavioral Health

This course is the study of the psychological and behavioral health conditions related to patient centered care. The course will teach and evaluate student's ability to identify, refer, and develop care plans for/to patients with behavioral health conditions, including depression, anxiety, suicidal ideation, eating disorders, and others. Learning opportunities will be provided through simulation and research of behavioral health interventions. Prerequisite(s): KINS 5443. Enrollment open to Athletic Training majors only. Concurrent enrollment in KINS 5713.

KINS 5733 - Athletic Training Clinical III

The athletic training clinical experience course requires demonstration of evaluation, management, and diagnosis of patients with axial spine injuries and conditions. The course provides both a didactic lab and clinical patient/client care opportunities for hands-on learning to head, neck and axial spine plus patient centered care administration supervised by a preceptor at an athletic health care facility. Travel will be required to complete this course and will be the student's responsibility to provide. Prerequisite(s): KINS 5713. Enrollment open to athletic training majors only. Concurrent enrollment in KINS 5613 is required.

KINS 5743 - Athletic Training Clinical IV

This athletic training clinical experience course requires students to demonstrate: evaluation of, management of, and interventions for general medical conditions. The course provides both a didactic lab and clinical patient/client care opportunities for hands-on learning for medical illness/disease diagnosis and pharmacology applications supervised by a preceptor and doctor at an athletic health care facility. This course will require an eight week clinical immersive experience at the end of the semester. Travel may be required to complete this course and is the responsibility of the student. Prerequisite(s): KINS 5733. Enrollment open to athletic training majors only. Concurrent enrollment in KINS 5633 is required.

KINS 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

KINS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prerequisite(s): An undergraduate minor in the subject matter area and permission of the graduate advisor.

KINS 5920 - 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.

KINS 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area and permission of graduate advisor.

KINS 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

KINS 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

KINS 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

KINS 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

KINS 5980 - Graduate Project

This course requires students to demonstrate their cumulative knowledge in exercise science to complete and present a capstone project. Subject matter will vary within the department's field of study.

KINS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

LATIN (LATN)

Department of Modern Languages, Literature & Cultural Studies

LATN 5900 - Practicum In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 5920 - Workshop in Latin

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.

LATN 5930 - Individual Study In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 5940 - Field Study In Latin

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

LATN 5950 - Internship In Latin

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

LATN 5960 - Institute In Latin

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

LATN 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

LATN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

LEGAL STUDIES (LS) Department of Finance

LS 5223 - Advanced Estate Planning and Administration

Advanced Estate Planning and Administration covers legal issues associated with estate planning, including elder law issues and estate administration. This course examines estate planning alternatives including wills, trusts and transfer-on-death instructions. This course also examines the administration of probate, nonprobate and trust estates.

LS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

LS 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

LS 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the Department's field of study.

LS 5950 - Internship In Legal Studies

Credit will vary from 1 to 8 hours; subject matter would vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

LS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MATHEMATICS (MATH) Department of Mathematics and Statistics

MATH 5113 - Operations Research 1

This course covers the formulation of various deterministic problems as mathematical optimization models, the development of the simplex algorithm, and the theoretical implications of linear program duality, including sensitivity analysis. Optimization models studied include linear programs, integer programs, and various network models. Prerequisite(s): MATH 3143 with a minimum grade of "C".

MATH 5123 - Operations Research 2

This course covers the solution methods for various mathematical optimization models including integer programs, network problems, deterministic inventory models, and queuing models. Special emphasis is placed on the use of heuristics and metaheuristics to address intractable problems. Prerequisite(s): MATH 4113 with a minimum grade of "C" or 5113 with a minimum grade of "C".

MATH 5134 - Calculus For Secondary Teachers

This course is a survey of calculus in view of modern concepts and is intended for students preparing to teach advanced secondary mathematics.

MATH 5143 - Advanced Calculus For Applications 1

This is the first course in a two-course sequence of differential and integral calculus. Its topics include sequences and limits of sequences, limits of single variable functions, and differentiation and integration of single variable functions. Students will be required to apply the ideas learned to individual investigations. Prerequisite(s): Math 3103.

MATH 5153 - Advanced Calculus For Applications 2

This is the second course in a two-course sequence of differential and integral calculus. Its topics include infinite series of numbers, sequences and series of functions, Fourier series, vector calculus, and limits, differentiation, and multiple integration of functions of several variables. Prerequisite(s): MATH 5143.

MATH 5263 - Numerical Linear Algebra

Students will study direct and interactive methods of solving linear systems of equations, methods of solving nonlinear systems of equations, eigenvalue problems, special matrices, connections to differential equations, and additional special topics as appropriate. Prerequisite(s): MATH 3143 with a minimum grade of "C".

MATH 5373 - Applied Numerical Analysis

This course will formulate numerical methods for approximation of solutions to a variety of calculus-based problems including root-finding, integration and differentiation, approximation, and other special topics as appropriate. Substantial emphasis will be given to analysis of the underlying mathematical theory and to application of methods by computer programming. Prerequisite(s): MATH 3103 with a minimum grade of "C".

MATH 5413 - Differential Equations

Topics in this course include partial differential equations, elliptic, hyperbolic, and parabolic equations, separation of variables, special functions, eigenfunction expressions, and the existence and uniqueness of solutions. Prerequisite(s): MATH 5363.

MATH 5443 - Introduction To Complex Variables

This course is an introduction to the theory of functions of a complex variable. Topics include analytic functions, complex integrals, Taylor and Laurent series, and conformal mappings. Prerequisite(s): MATH 2343.

MATH 5453 - Mathematical Modeling

This course is a case study approach to mathematical modeling. Problems from a variety of problem areas and demonstrating various mathematical methodology will be discussed. Prerequisite(s): Permission of the instructor.

MATH 5563 - Introduction To Graph Theory

Topics in this course include the structure of graphs, trees, connectivity, planarity, colorability of graphs, digraphs, matrices associated with a graph, and the automorphism group of a graph. Graph-theoretic modeling and applications to engineering, computer science, and data structures will be emphasized. Prerequisite(s): MATH 3183 or 3143.

MATH 5843 - 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): Permission of the instructor.

MATH 5853 - Introduction To Graduate Research

Students in this course will learn how to conduct scholarly research, read professional journals, structure a comprehensive paper, and communicate mathematical concepts. Each student will submit a comprehensive report in a format appropriate to the nature of the investigated problem. Prerequisite(s): Enrollment open to math majors only.

MATH 5900 - Practicum In Mathematics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

MATH 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. Prerequisite(s): Undergraduate minor in the subject matter area and permission of graduate advisor.

MATH 5920 - 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.

MATH 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite or special subject, based on approved outlines or plans; conference, oral and written reports. Prerequisite(s): Permission of instructor.

MATH 5940 - Field Study In Mathematics

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

MATH 5950 - Internship In Mathematics

Credit would vary from 1 to 8 hours. Subject matter would vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MATH 5960 - Institute In Mathematics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MATH 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

MATH 5980 - Graduate Project

A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. Prerequisite(s): Written permission of instructor and MATH 5853. Enrollment open to Math majors only.

MATH 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Permission of instructor and MATH 5853. Enrollment open to math majors only.

MASTER OF BUSINESS ADMINISTRATION (MBA) Department of Management

MBA 5010 - Base Camp

This course provides socialization and on-boarding to the MBA program. Students also participate in team building exercises, developing career goals, and leadership assessments. Base Camp is mandatory for all incoming students in the MBA. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5033 - Creative Problem Solving

Creative Problem Solving focuses first on creative problem finding and then creative problem solving, helping students develop the skills to solve problems that are characterized by novelty, ambiguity, and uncertainty. Students also gain a deeper understanding of the role that strategic communication plays in the problem finding/solving process.

MBA 5042 - Managerial Economics

Managerial Economics is a course that is intended to help students apply basic economic principles to decision making processes of the firm. The course will provide a foundation of economic tools relevant to the modern business environment and require extensive application to enhance decision-making skills relevant to managers. Students will develop familiarity with the concepts and methods used in economic analysis for making decisions regarding price and output to maximize firm profitability, evaluating the market structure of the industry and responding to the competitive composition of the market, choosing appropriate courses of action in certain and ambiguous environments, and aligning individual incentives with firm incentives.

MBA 5112 - Business Law Concepts for the Workplace

This course provides an advanced study of business law concepts for administrators and managers with an emphasis on workplace issues related to contracts, property, employment discrimination, employment law, liability, selection/termination, and business organization structure and regulatory environment. Students will gain a conceptual understanding of approaches to solving workplace difficulties that could otherwise cause the employer to face legal consequences.

MBA 5142 - Managerial Finance

Managerial Finance introduces students to key functions of financial management of a corporation. Emphasis is on theory and practice that financial managers need to master to effectively cope with routine problems and to respond to changes. Rather than teaching time-honored rules of thumb, this course is designed to teach how financial managers use financial theory to solve practical problems. This course teaches what financial managers should do and why to increase company value. Topics will be covered through lectures, quantitative problems, discussions, hands-on-mini-case assignments, and a research project. Topics covered include the financial environment, financial planning, risk-return trade off, asset pricing models, asset valuation, capital budgeting, cost of capital, capital structure, dividend policy, and working capital management. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5172 - Managerial Accounting

Managerial Accounting is designed to investigate the role accounting and accounting systems play in planning, monitoring, and evaluating business operations. All organizations must plan for future operations, monitor their current operations, and evaluate their past performance. This course will aid in understanding how to use accounting information in the planning, monitoring, and evaluation of business operations and understanding the models and information requirements of common types of managerial decisions. Managerial Accounting will also provide instruction in how to present the results of quantitative managerial analyses in an effective manner. Finally, the course will investigate the ethical issues facing managerial accountants in their accounting and reporting practices.

MBA 5182 - Survey of Energy

Survey of Energy explores burgeoning issues, technological advancements, and the dynamic regulatory environment of major energy systems; e.g. foreign and domestic oil and gas production, transportation, and consumption; electricity markets and wholesale generation, distribution, and renewable energy generation. Further, this course serves as an introduction to financial transactions, lease or power purchase agreements, and the energy derivatives market (futures, swaps, etc.). Prerequisite(s): Enrollment open to MBA majors only.

Graduate Course Descriptions

MBA 5212 - Creativity, Innovation and Pitching

Creativity, Innovation and Pitching is concerned with initiation of start-up, small, or entrepreneurial firms beginning with the idea and growing the idea into a viable business venture that addresses markets beyond their native country. Although the main focus is on idea generation to launching a business venture, the differences in terms of cultural, legal, economic development, monetary systems, technology or product development, intellectual property, entry and exit strategies and financial issues are addressed. Students who take this course will develop a sophisticated basis for analyzing global decisions for an innovative company as insiders (corporate managers and management consultants), and as analysts and investors.

MBA 5202 - Sales Analytics

Sales Analytics is an introductory survey course. The course deals with various sales-oriented metrics utilized in the relationship selling cycle. The relationship selling cycle consists of: 1) Prospecting, 2) Preapproach, 3) Approach, 4) Needs Discovery, 5) Presentation, 6) Handling Objections, 7) Closing, and 8) Follow-Up. At each stage, students will learn how to identify various types of stage-relevant metrics, how to analyze and collect data using various types of analytical and statistical tools, and how to report meaningful interpretations to decision makers. Sales analytics tools cover any techniques required at the stages of descriptive, diagnostic, predictive, and prescriptive analytics. Knowledge about sales analytics is expected to help students become an expert in the area of sales analytics which is one of core activities of any business.

MBA 5242 - Organizational Culture and Dynamics

Organizational Culture and Dynamics helps future managers explain and guide human behavior in organizations at individual, group, and organizational levels. In the new knowledge economy, human capital is a source of competitive advantage for many organizations. As such, this course focuses on such topics as building a strong organizational culture, engaging in techniques to motivate personnel and lead teams. In addition, the course provides students a working knowledge of several organizational behavior and leadership theories and how to use them inside organizations.

MBA 5252 - Healthcare Finance

This course covers the essentials of understanding and managing the financial aspects of healthcare organizations, including but not limited to accounting, cost issues, budget preparation and management. Financial management techniques as they apply to healthcare organizations are discussed. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5272 - Managerial Statistics

Managerial Statistics covers basic probabilities, simple regression, multiple regression, and ANOVA, as well as additional data analytic techniques, both linear and non-linear in nature. The student's ability to understand and apply the use of quantitative data during decision-making processes within the organization and management, in general, is an essential competency built in this course. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5282 - Energy Market Regulation, Antitrust, Law

Energy Market Regulation, Antitrust, and Law is an in-depth examination of regulatory and antitrust standards in the energy industry as they pertain to market power, market manipulation, and industry structure, conduct and performance. This course will explore the history and purpose of regulation in energy systems, and how energy regulation differs by source. Further, this course will explore how government intervention in market transactions affects aspects of daily lives and alters the course of firm behavior. Prerequisite(s): Enrollment is open to MBA majors only.

MBA 5322 - Global Entrepreneurship Bootstrapping and Finance

Global Entrepreneurship Bootstrapping and Finance is concerned with how start-up, small, or entrepreneurial firms manage a variety of financial issues when expanding beyond their native country. Prerequisite(s): MBA 5142 Core Corporate Finance and MBA 5212 Creativity, Innovation and Pitching.

MBA 5331 - Building Effective Teams

Building Effective Teams examines the processes involved in selecting, building, and maintaining strong teams. Issues under examination include but are not limited to team formation and selection, managing problem-solving processes in teams, and information sharing in teams. This course has a particular focus on the role of teams in the knowledge economy.

MBA 5342 - Market Driven Strategies

Decision Making in Marketing is designed to develop skills for effective marketing decision making, focusing on strategic design, implementation, and evaluation, in a wide variety of organizational and competitive situations. The course seeks to develop each student's understanding of how an organization can benefit by offering value to its customers and other stakeholders. Emphasis is given to the role of the marketing function within an organization and to the utilization of marketing activities in achieving a sustainable competitive advantage. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5352 - Managerial & Operational Analytics

Managerial and Operational Analytics is designed to expose the student to the issues, concepts, and techniques to achieve world-class operations and supply chain management through judicious use of analytic techniques. Special emphasis is placed on process analysis and improvement and designing and controlling operations to achieve strategic advantage. Topics include lean/six sigma methodologies, queuing methods, optimization, the supply chain model and the use of data to develop insights and predictive capabilities using machine learning, data mining and forecasting techniques. Prerequisite(s): MBA 5272 Managerial Statistics or ECON 5453 Advanced Business Statistics or STAT 5213 Applied Regression Analysis or PSM 5013 Computational Science for Professionals I

MBA 5382 - Energy Market Analysis

Energy Market Analysis develops the quantitative skills that are essential for managers and professionals in the energy industry. In this course we study forecasting methods for energy production, demand, and dispatch. We also discuss financial markets and energy derivatives to develop a thorough understanding of hedging strategies that firms employ. Prerequisite(s): Enrollment open to MBA majors only.

Graduate Course Descriptions

MBA 5422 - International Immersion

The International Immersion course is designed to develop the students' intercultural competency and permit them to function effectively across different cultures. Students in this course will apply the Hofstede and Gesteland frameworks to analyze international business problems. The course uses cases, current events, and popular media to illustrate the impact that differences in personal beliefs, culture, and communication styles have in business and social settings. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5432 - Leadership, Power, & Politics

Leadership, Power, and Politics is designed to familiarize students with the various roles of leaders within organizations. Topics will include strategies and theories guiding leader behaviors, understanding followers, power and influence, and navigating politics in organizations. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5441 - Leadership Development I

This course will combine theory and practice as students learn effective leadership. In addition, they will discover and develop their own leadership skills through an assessment of strengths and weaknesses and through practice and feedback. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5462 - Sales Management

Sales Management focuses on the organizational strategy as it relates to the allocation of resources to the sales team and management of the sales territory. The class assesses the aspects of sales management that are critical to organizational success. The subjects discussed include sales forecasting, strategy, human resources, employee appraisals and CRM systems. Each of these topics is examined through current readings, discussions, lectures and cases. Emphasis will also be given to topics such as territory planning, account analysis, sales call analysis, team selling key account management, proposal development, and CRM usage and strategy. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5472 - Healthcare Innovations

As technology evolves exponentially, so do the opportunities for integrating technology into both the short and long-term plans for patient care. This course covers methodologies for examining unique problems in providing health care, and how/if innovation can solve such problems. Current and potential innovative pathways for improving patient care will be explored. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5482 - Oil and Gas Agreements

Oil and Gas Agreements will give students entry-level knowledge of agreements commonly used in the domestic oil and gas industry. Students will understand the concept of the mineral estate and the way it can be divided, oil and gas leases their component parts and their function, the interests that can be created in an oil and gas project, the business entities that can be used to house oil and gas ventures. In addition, students will understand division orders, pooling, unitization, an introduction to offshore leases and offshore contracts, as well as the differences between state and federal offshore operation, the special case of Alaska as well as how an oil and gas deal can be promoted without creating an unregistered security. This course is designed to give students an ability to compete effectively for entry level positions in the domestic midcontinent oil and gas industry. Prerequisite(s): Enrollment is open to MBA majors only.

MBA 5492 - Organizational Diversity and Inclusion

This course offers students a method to view and address diversity in the workplace, introducing them to the concept of diversity consciousness to develop an awareness and understanding of diversity in all its aspects. It presents an approach that focuses on inclusion and applies the paradigm and methodology of intercultural competencies to allow organizations to leverage diversity as an asset. The course outlines human resource management responsibilities in supporting the strategic direction of diverse firms by customizing human resource practices and policies. Students will learn by structured experiential learning activities through discussions and case studies. This course will provide students with the necessary body of knowledge to prepare for professional certification examinations.

MBA 5512 - Strategic HRM

Strategic Human Resource Management will give students a working knowledge of investigating employee recruitment and selection, training and development, performance evaluation, and compensation and benefits. Students will gain abilities to develop, evaluate, and control human resource systems while improving interactions with internal and external stakeholders. This helps establish competitive advantage in the changing global marketplace. By focusing on the three levels of human resource management, students will develop acute understanding of the altering environment of issues facing their most important managerial advantage: human resources. Further topics to be covered include human resource coordination support proficiencies, such as concept application, job analysis, and design, ethics, and economic support. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5522 - Financial Marketing & Investment Management

Financial Market and Investment Management provides a comprehensive survey and analysis of investment and portfolio management based on comprehensive understanding of the significance of money, credit, debt, and the financial systems. The course covers the fundamental knowledge and the various financial tools and strategies for recognizing investment opportunities, making sound financial decisions, and knowing when to act on them. These include fundamental analysis, technical analysis, portfolio theory applications and the use of risk management tools such as futures and options contracts. Outside lecture materials are added to provide a deeper understanding of relevant topics, most particularly for those topics which are generally complex to use effectively such as financial derivatives. A significant portion of the lecture is supplemented with topics taken from other sources. Topics will be covered in an international as well as domestic (U.S.) context with emphasis on recent changes wrought by the explosive growth of the Internet as a source of financial information. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5532 - Global Markets and Sustainability

Global Markets and Sustainability is concerned with how start-up, small, or entrepreneurial firms can expand their markets and grow beyond their native country. Globalization and international marketing topics and issues are presented for a start-up or entrepreneurial business in mind to develop the mindset of how to assess market possibilities and unique attributes of their offering that may require tailoring to the market they would desire to expand into. Tools and frameworks for understanding marketing differences between a business's native country and a target new country or region are provided. Prerequisite(s): MBA 5342 Market-Driven Strategy; MBA 5212 Creativity, Innovation and Pitching; and MBA 5322 Global Entrepreneurship Bootstrapping and Finance. Co-requisite(s): MBA 5322 Global Entrepreneurship Bootstrapping and Finance.

Graduate Course Descriptions

MBA 5541 - Leadership Development II

This course will combine theory and practice as students learn effective leadership. In addition, students will work on a community leadership project. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5552 - Project and Program Management

This course covers the essentials of managing projects in a dynamic work environment. Content includes functions of planning, controlling, and organizing resources for the completion of complex projects. Includes navigating social and political environments to ensure successful project completion.

MBA 5561 - Integrative Project I

Integrative Project I focuses on the integration of business content and emphasizes the application of concepts to real-world business dilemmas. Primarily taught through consulting with a metropolitan business, this course will utilize and build upon the concepts studied in prior courses, and allow the students an opportunity to see how these concepts fit together and how theory becomes reality. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5572 - Business Ethics & Sustainability

Business Ethics and Sustainability educates students in the complexity of business ethics and ethical decision making in the workplace, as well as discusses and defines the notion of sustainability in the business environment. This course will also integrate business law as it applies to corporate decisions. Exposure to business ethics and decision making frameworks through cases and self-reflection focus on navigating real, complex, career decisions.

MBA 5582 - Social Media Marketing

Social Media Marketing is the use of social media by marketers to increase brand awareness, identify key audiences, generate leads and build meaningful relationships with customers. This course introduces students to social media marketing, and provides them with the knowledge and skills to effectively engage in social media marketing efforts.

MBA 5602 - Conflict Management & Negotiation

Conflict Management and Negotiation focuses on issues and trends in conflict and management negotiation. Through theory and application, students will learn conceptual frameworks and negotiating strategies to resolve conflict in different business contexts. Upon completion of this course, student should have a greater understanding of how conflict is constructed, conceptualized, and how to strategically resolve conflict through negotiation. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5621 - Integrative Project II

Integrative Project II is a continuation of MBA 5561 Integrative Project I and focuses on the integration of business content and emphasizes the application of concepts to realworld business dilemmas. Taught through consulting with the same metropolitan business, this course will utilize and build upon the concepts studied in prior courses, and allow the students an opportunity to see how these concepts fit together and how theory becomes reality. Prerequisite(s): MBA 5561. Enrollment open to MBA majors only.

MBA 5632 - Topics in Sales Force Management

Topics in Sales Force Management will cover timely issues in sales force management. Contemporary readings from academic and industry journals will be used to discuss current issues and trends in sales force management.

MBA 5642 - Organizational Change & Innovation

Organizational Change and Innovation examines the processes related to both organizational change and organizational innovation in the knowledge based economy of the early 21st century. More specifically, this course will spend significant time discussing both leader and manager tactics for invoking and instituting change at the individual, group, and organizational levels - with more time spent discussing macro level change implications. In addition, multi-level issues related to innovation - and the creative activities preceding it - will be discussed focusing again on the role of both leadership and management in stimulating such activity from both micro and macro perspectives.

MBA 5672 - Energy Economics

This course provides a detailed overview of energy economics as it relates to major energy markets and sectors (e.g. the oil and gas sector or the electricity sector). We will discuss market forces and government regulation, quantitative energy demand and supply forecasting; market structure, conduct and performance; cost-benefit project viability and finance measures. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5712 - Strategic Management

Strategic Management is designed to develop students to be upper-level managers for the increasingly competitive business world. The emphasis of this course will be on the strategic evaluation, judgements, and engagements that organizations develop to create sustainable competitive advantages.

MBA 5722 - Adv Managerial Communication

Advanced Managerial Communication guides the student through the process of honing her/his communication skills and knowledge to assume a leadership role in the organization. Using a skills-based approach, students study various communication challenges in the modern organization, share strategies for dealing with those challenges, and develop specific skills that help establish and maintain personal credibility and credibility for the organization. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5731 - Integrative Project III

Integrative Project III is a continuation of MBA 5561 Integrative Project I and MBA 5621 Integrative Project II and focuses on the integration of business content and emphasizes the application of concepts to real world business dilemmas. Taught through consulting with the same metropolitan business, this course will utilize and build upon the concepts studied in prior courses, and allow the students an opportunity to see how these concepts integrate and how theory applies to reality. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5742 - Global Startup Operations and Deployment Scaling

Global Startup Operations and Deployment Scaling is concerned with how start-up, small, or entrepreneurial firms can develop a company to exploit and capitalize on global markets. This involves tailoring the firm's operational competencies, assets, and processes to a specific business strategy. Globalization and international business topics and issues related to operations and distribution are presented to make strategic scaling decisions in terms of cultural, legal, economic development, monetary systems, technology or product development, intellectual property, and financial issues of individual countries. This is an applied course where the student will conduct research using real world databases from a variety of sources to develop an overall assessment of what they would have to do to be successful in scaling global markets. Prerequisite(s): MBA 5352 Optimization & Data Analytics; MBA 5322 Global Entrepreneurship Bootstrapping and Finance; MBA 5532 Global Markets and Sustainability.

Graduate Course Descriptions

MBA 5852 - Integrative Project

The Integrative Project focuses on the integration of business content and emphasizes the application of concepts to real world business dilemmas. Primarily taught through consulting with a metropolitan business, this course will utilize and build upon the concepts studied in prior courses, and allow the students an opportunity to see how these concepts fit together and how theory becomes reality. Prerequisite(s): Enrollment open to MBA majors only.

MBA 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MBA 5910 - Seminar/Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MBA 5920 - 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.

MBA 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

MBA 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MBA 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MBA 5970 - Study Tour

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MBA 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MASS COMMUNICATION (MCOM) Department of Mass Communication

MCOM 5000 - Workshop in Mass Communication

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 2 hours of workshop may be counted on a master's degree.

MCOM 5043 - Foundations of Communication Research

Foundations of Communication Research is an introduction to the research methods used in communication graduate courses. It includes an overview of qualitative and quantitative tools used in communications, the research process, and academic writing.

MCOM 5103 - Data Analysis in Communications

Data Analysis in Communications is the applied study of the quantitative methods of research, monitoring, and tracking used by communicators and marketers to achieve their objectives. A key component of the course involves learning how to generate, interpret, and analyze statistical data. Prerequisite(s): MCOM 5043.

MCOM 5123 - Qualitative Research in Communication

Qualitative Research in Communication addresses theories and methods of qualitative research for scholarly and industry work in communications. Instruction focuses on the conceptualization, design, and execution of qualitative studies. Methods such as ethnography, in-depth interviews, and focus groups are featured. Content analysis, narrative analysis, discourse analysis, and grounded theory provide analytic options for original research projects. Prerequisite(s): MCOM 5043.

MCOM 5133 - Media Management

Media Management is an in-depth study of current social, economic, legal, and ethical challenges facing managers in media organizations. Theories of media management are explored and applied.

MCOM 5313 - 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.

MCOM 5413 - 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.

MCOM 5423 - Trauma and Leadership in Communications

Trauma and Leadership in Communications addresses how trauma affects professionals in the communications industry. It explores reactions to and ethical considerations of workplace trauma. Proactive approaches in anticipating traumatic events are highlighted.

MCOM 5433 - Nonprofit Communication

Nonprofit Communication is an overview of strategic communications tools used for various stakeholders in nonprofit organizations. The course focuses on internal and external communication functions and how they differ from for-profit organizations.

MCOM 5523 - Global Communication

Global Communication examines communications practices around the globe through the application of communication theory, media research, and other pedagogies. The course utilizes case studies, discussions, and projects to understand the political and cultural context of media. The class emphasizes how conventional and social media sources impact society through various platforms.

MCOM 5563 - Media Law

Media Law is a study of the legal rights and restrictions with the resulting duties and responsibilities related to the media. Additionally, the course focuses on how to manage a company's media law problems by analyzing the processes a selected company utilizes to train its employees.

MCOM 5623 - LGBTQ+ Representations in Film and Media

LGBTQ+ Representations in Film and Media examines the ways in which sexuality and gender are represented, interrogated, and theorized in a variety of visual media. Topics include LGBTQ+ characters and narratives, the contributions of LGBTQ+ individuals to film and other media, and the reception and influence of films and other media that present LGBTQ+ characters and issues.

MCOM 5633 - Race, Violence, Youth, & Media

Race, Violence, Youth and the Media will critically examine various mass media representations and coding of contemporary youth subcultural formations in the U.S.A.

Graduate Course Descriptions

MCOM 5643 - Digital Media Strategy

Digital media Strategy examines the role that digital and social media play in strategic communications. Students learn to think critically and strategically about which platforms best communicate to target audiences and how to leverage communication techniques and analytical skills to evaluate the messages and strategies they use.

MCOM 5683 - Managing Change

Managing Change helps students design and participate in the formal change initiatives within organizations. The course focuses on theory and techniques for diagnosing the need for change, designing the change process, implementing change, and evaluating the outcomes of the change process.

MCOM 5723 - Organizational Culture

Organizational Culture highlights the communicative construction of culturally significant artifacts, symbols, and practices in organizations. Opportunities for developing skills in observing, analyzing, and assessing organizational cultures are provided. Issues in managing culture in organizations are explored.

MCOM 5833 - Communication Theory and Application

Communication Theory and Application covers the historical and philosophical background of the most important theories of communication. Students will apply a methodology for formulating and analyzing communication theories, preparing them to be informed consumers and producers of theoretically-based communication research.

MCOM 5843 - Crisis and Ethics in Communication

Crisis and Ethics in Communication focuses on the key elements of preparation, prevention, and response communication before, during, and after an organizational crisis. Emphasis is on the use of ethical philosophy and theories in problem-solving, as well as understanding the three-stage approach of a crisis.

MCOM 5893 - Capstone Project

The Capstone Project provides students with an opportunity to complete an applied project using communication theory and research methods learned in the program. The applied project allows students to synthesize and apply academic concepts to solve communication problems in organizations and communities. Prerequisite(s): MCOM 5043, MCOM 5103, MCOM 5123, MCOM 5833.

MCOM 5900 - Practicum In Mass Communication

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 5930 - Independent Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 5950 - Internship In Mass Communication

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MCOM 5960 - Institute in Mass Communication

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MCOM 5970 - Study Tour In Mass Communication

Credit will vary. Subject matter will vary within the department's field of study.

MCOM 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MANAGEMENT (MGMT) Department of Management

MGMT 5023 - Business Policy

Business policy is a course designed to assess the student's cognitive skills in solving business problems. e/she is required to make broad-based business decisions through in-depth case analysis. These cases are actual studies of American firms. The student must possess some knowledge of accounting, marketing, finance, and report writing in order to be competitive in this course. Prerequisite(s): Completed all prerequisites for MBA Program and ACCT 5103 and FIN 5333 and MRKT 5123 and ECON 5103 or ECON 5503.

MGMT 5043 - Organizational Theory & Design

This course is designed to impart to the student an integrated and pragmatic approach in the application of organizational theory. An in-depth examination is undertaken to ascertain the relationship between technology, the external and internal environments and their impact upon the development of modern theory. The student will be exposed to the various classics in the field as they formulate their theories and consequences of their use. A study will be made in the evolution of those theories compared to the writings of today's management scholars. Prerequisite(s): Completed all prerequisites for the MBA Program.

MGMT 5203 - International Management

This course aims at developing student's knowledge and awareness of international management operations, practices, and environment. Students will learn the process of planning, organizing, directing, and controlling international business activities and operations. The course objectives are met through lectures, classroom discussions, library assignments, and research work. Prerequisite(s): Completed all prerequisites for the MBA Program.

MGMT 5543 - Integrated Functions Of The Firm

A total firm concept which involves many different kinds of business problems which are conceptual in nature. Problems studied are based on the student's career objectives, business background, and academic preparation. Prerequisite(s): Completed all prerequisites for the MBA Program and MGMT 5023.

MGMT 5563 - Corporate Social Responsibility & Business

A course designed to enable the student to develop a philosophy of the social responsibility of business, and a philosophy of personal responsibility as a leader within the field of business. Moral and ethical responsibilities of business and its administrators are considered. Prerequisite(s): Completed all prerequisites for the MBA Program.

MGMT 5900 - Practicum In Management

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

MGMT 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 5920 - Workshop in Management

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.

MGMT 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 5940 - Field Study In Management

Credit will vary from 1 to 9 hours. Subject matter will vary within the Department's field of study.

MGMT 5950 - Internship In Management

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MGMT 5960 - Institute In Management

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MGMT 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

MGMT 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUSIC PERFORMANCE (MPER) School of Music

MPER 5010 - Applied Music

This course is a study at a professional level in the student's major applied area. As professional level study, it assumes a mastery of undergraduate technical skills, a thorough knowledge of the major solo and collaborative literature in the specific field, and the ability to execute independent analysis in the area of interpretation and pedagogical method toward the creation of effective performances and teaching strategies. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours.

MPER 5020 - Secondary Applied Music

This course provides applied study for graduate students who wish to develop advanced skill levels in an area other than their own major applied, in order to enhance their professional qualifications in such fields as pedagogy for music educators and/or instrumental doubling typical of the requirements of professional pit orchestra musicians. Secondary Applied Music is available for 1-2 credit hours in any specific applied area, though multiple secondary applied areas may be taken simultaneously.

MPER 5041 - Applied Jazz Improvisation

This course is a study of jazz improvisation at a professional level including a thorough knowledge and mastery of undergraduate technical skills of major, minor, diminished, and melodic/harmonic minor diatonic harmony, scale modes, technique, physiological concerns, song form, blues and musical interpretation of jazz styles. Instructional materials will include jazz compositions which involve materials such as major, minor, harmonic and melodic minor melodic content, complex rhythmic applications and time signatures. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor.

MPER 5052 - Applied Historical Instruments

This course is the applied study of a specific historical instrument and the technique and performance practice appropriate to that instrument, its period and literature. This study requires an advanced level of both general musical knowledge and specific skill in performance on the student's major applied instrument. Prerequisite(s): Permission of the instructor.

MPER 5111 - Concert Chorale

Concert Chorale is an auditioned touring ensemble that focuses on the study and performance of choral literature for mixed choirs. Prerequisite(s): Permission of instructor.

MPER 5141 - Cantilena - Soprano/Alto Choir

Cantilena is an auditioned choral ensemble that focuses on the study and performance of choral literature for soprano/alto singers. May combine with Cantare - Tenor/Bass choir for mixed choral literature. Prerequisite(s): Permission of instructor.

MPER 5151 - 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): A successful audition, and permission of the instructor.

MPER 5161 - UCO Symphony Orchestra

The UCO Symphony offers a well-rounded orchestral experience through performing four to eight concerts each school year, embodying compositions in a variety of styles from various musical periods. Prerequisite(s): A successful audition.

MPER 5181 - Second Street Singers - Vocal Jazz Ensemble

Second Street Singers is an auditioned eight- to twelve-member vocal ensemble that focuses on the study and performance of vocal jazz literature for solos and mixed choirs. Prerequisite(s): Permission of instructor required.

MPER 5281 - Band

A band is a large ensemble performing group. The university band program is open to all university students who have performance skills on band instruments. During the fall semester the marching band performs at football games, and spring semester is devoted to wind ensemble and concert band performance. Prerequisite(s): Written permission of instructor.

MPER 5291 - Wind Symphony

The wind symphony is the premier performing ensemble in the Winds & Percussion Division of the UCO School of Music. The ensemble prepares and performs music for concerts on and off campus, tour, and other activities throughout the fall and spring semesters.

Graduate Course Descriptions

MPER 5321 - Collaborative Piano Practicum

This course is a laboratory course designed to give graduate collaborative piano students practical experience in accompanying vocal and instrumental repertoire in studio lessons, ensembles, and in student recitals. Students will continue sight-reading work and the perusal of the vocal and instrumental collaborative repertoire selected from intermediate level lieder, art song, orchestral reductions, and instrumental solos. Weekly performances with student instrumentalists or singers will be critiqued and coached by colleagues and the instructor.

MPER 5351 - Advanced Piano Ensemble

The advanced piano class is designed for piano majors or students with equivalent proficiency. The course of study will provide solo performers an opportunity for ensemble playing experience. Areas of concentration are piano duet literature, two-piano and four-piano literature, piano accompanying, and multiple score reading. Prerequisite(s): Written permission of instructor.

MPER 5421 - Advanced Chamber Music

This course provides students with a coached experience in advanced musicianship skills relating to playing in small chamber ensembles. The course emphasizes full participation in a chamber ensemble that reflects actual professional experience. Students will develop the skills necessary to interpret and perform music at a professional level. This course may be taken four (4) times for credit.

MPER 5481 - Collegium Musicum

This course is a performance laboratory in which technical skills relevant to historical performance are developed, especially those that relate to ensemble performance. It covers the historical national styles, ornamentation, specific stylistic skills and knowledge relevant to the individual instrument families as well as issues of rhythm, tempo, expression and articulation.

MPER 5501 - Opera Performance

This course is the advanced application of vocal, theatrical, and offstage skills to a fully staged production of an opera. It requires participation in all aspects of opera, including but not limited to vocal technique, stage movement, singing in other languages, dramatic analysis of roles, musical preparation, and dance. It culminates in one or more public performances of an opera. Students may be required to fulfill backstage duties as well as onstage roles.

MPER 5511 - Advanced Orchestral Wind Study

This course provides students with a coached experience in orchestral wind performance, emphasizing analytical and interpretative skills. The course emphasizes full participation in a symphonic orchestra that reflects actual professional experience. Students will execute at an advanced level the skills necessary to interpret and perform orchestral literature at a professional level as well as to function in leadership positions within the ensemble. This course may be taken eight (8) times for credit.

MPER 5611 - Jazz Ensemble

UCO Jazz Ensembles provide graduate students with in-depth technical guidance in ensemble and solo performance while also developing advanced proficiency in a wide range of styles necessary to perform jazz and commercial music on a professional level. This course may be taken four (4) times for credit. Prerequisite(s): High level of performance proficiency as determined by the director.

MPER 5621 - Graduate Jazz Combo

Graduate Jazz Combo is a highly specialized small ensemble experience for advanced jazz studies students who consistently demonstrate professional performance skills. Auditions will take place at the beginning of each semester at the UCO Jazz Lab. This course may be taken four (4) times for credit. Prerequisite(s): High level of performance expertise is required as determined by director.

MPER 5822 - Graduate Recital

This course is a public performance for the graduate performance major. Prerequisite(s): Two semesters of graduate instruction in the applied area and written permission of major applied instructor and graduate advisor.

MPER 5891 - Piano Pedagogy Internship

This course is an internship portion of Piano Pedagogy. Students are required to enroll in this course concurrently with MUS 5883 Piano Pedagogy. It provides observation and supervision intern teaching in piano as well as discussion with the supervising teacher. Each intern teacher will teach applied and class piano as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano MPER 3020 or 4000.

MPER 5900 - Practicum in Music Performance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Permission of department chairperson required.

MPER 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MPER 5920 - Workshop in Music Perform

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.

MPER 5930 - Individual Study In Music Performance

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports.

MPER 5940 - Field Study in Music Performance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

MPER 5950 - Internship In Music Performance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MPER 5960 - Institute in Music Performance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MPER 5970 - Study Tour In Music Performance

Credit will vary. Subject matter will vary within the department's field of study.

MPER 5980 - Graduate Project

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MPER 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MARKETING (MRKT)
Department of Marketing

Graduate Course Descriptions

MRKT 5900 - Practicum In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 5920 - Workshop in Marketing

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.

MRKT 5930 - Individual Study In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 5940 - Field Study In Marketing

Credit will vary from 1 to 9 hours. Subject matter will vary within the Departments field of study.

MRKT 5950 - Internship In Marketing

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MRKT 5960 - Institute In Marketing

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MRKT 5970 - Study Tour

Credit will vary. Subject matter will vary within the departments' field of study.

MRKT 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

BUSINESS ANALYTICS (MSBA) Department of Information Systems and Operations Mangement

MSBA 5113 - Introduction to Business Analytics

This course teaches introductory skills for business analytics including decision making and problem solving. Using spreadsheet skills, students learn to perform descriptive, predictive, and prescriptive analyses. Monte Carlo simulations along with optimization solutions and decision analysis techniques will allow students to perform analytics even in a small-business environment.

MSBA 5223 - Database Foundations

This class teaches the principles of data modeling, SQL databases, and data storage relevant to business intelligence. Students will learn to use software tools to model database schema, and import/export data from databases and data warehouses. Prerequisite(s): MSBA 5303.

MSBA 5232 - Data Visualization

This course will introduce students to the field of data visualization so as to increase the understanding of complex data and data models. Students will learn basic visualization design, evaluation principles, as well as data acquisition and parsing of large data sets. Additionally, students will learn techniques for visualizing multivariate, temporal, text-based, geospatial, hierarchical and network/graph-based data. A variety of current tools will be introduced to enhance student learning and understanding of the field.

MSBA 5233 - Enterprise Data Management and Governance

A comprehensive data strategy can improve decision making at the operational, managerial, and executive levels and improve an organization's time to market. In this course, students will learn about the various disciplines of data management starting with the process of data management. The course will include big data, architecture, ethics, and governance. Students will also learn about data integration, data quality, data security, and the application of blockchain to some of these technologies. This course will also introduce the legal and fiscal responsibilities surrounding the collection and use of data.

MSBA 5243 - Financial Modeling and Analysis

This course focuses on building financial models based on the principles of corporate finance to solve common financial management problems related to asset valuation, investment decisions, financing decisions, financial planning, current assets management and risk assessment. The course uses MS Excel and other programs and includes a number of hands-on assignments that use current data. The emphasis will be on applications and practice rather than on theory. The instructional approach for the course will include a minimum of lectures, plenty of discussions, and a number of model building exercises. Extensive use of currently available firm-specific and industry and macro and market data will be used for the model applications. Prerequisite(s): (STAT 5213 or ECON 5453) and MSBA 5113.

MSBA 5303 - Python for Analytics

This course emphasizes core programming skills needed for working in analytics such as loading data from various file formats, cleaning, transforming, merging, and reshaping data sets, and aggregating data. Students will be expected to code their own programming projects to read, write, and analyze data sets.

MSBA 5314 - Predictive Analytics and Machine Learning

This course introduces students to Data Mining skills using SAS technologies. Students are introduced to analytics from an organizational and managerial perspective. It introduces the theory behind many approaches to business decision making and problem solving using data. Students will utilize SAS tools to solve business problems using different approaches. Prerequisite(s): (STAT 5213 or ECON 5453) and MSBA 5113.

MSBA 5324 - Marketing Analytics

Marketing Analytics helps students analyze gathered data for better decision-making with marketing and analytical skills. This course deals with the process of gathering, analyzing, and interpreting customer data to make better decisions from the firm's perspective. Assuming that firms are given data for customer insights, this course introduces various types of marketing areas for decision-making and teaches students how to use advanced statistical methods for making marketing decisions. Examples of marketing decisions areas are targeting, new product development, sales promotion, pricing decisions, design of marketing mix, sales force allocation, and so on. Statistical methods utilized include choice models, latent class models, conjoint analysis methods, forecasting methods, and so on. Prerequisite(s): (STAT 5213 or ECON 5453) and (MSBA 5113 and MSBA 5232.)

Graduate Course Descriptions

MSBA 5404 - Predictive Analytics and Artificial Intelligence

This course is an advanced course in data mining using SAS technologies that builds on the material in MSBA 5314 Applied Predictive Analytics and Machine Learning. The primary purpose of the course is to prepare students to manage and complete a significant analytics project. The project involves identification of a business problem, exploring possible solutions, and professionally communicating a recommendation. The deliverable project is suitable for presenting at several different analytics conferences although presenting at one of these conferences is optional and not required. The course will also teach advanced topics related to data analysis available through SAS tools. Prerequisite(s): MSBA 5313, MSBA 5223, MSBA 5232, MSBA 5303, and MSBA 5314.

MSBA 5411 - Managing Analytics

This course focuses on management issues related to launching analytics or business intelligence programs, and related enterprise implementations. Topics covered include but are not limited to Data Governance, Privacy, Machine Learning, and Hadoop. Invited speakers will discuss trending industry technologies and lessons learned from industry projects.

MSBA 5900 - Practicum in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5910 - Seminal in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5920 - Workshop in Business Analytics

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.

MSBA 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5940 - Field Study in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5950 - Internship in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5960 - Institute in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5970 - Study Tour in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the departments' field of study.

MSBA 5980 - Graduate Project

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MSBA 5990 - Thesis in Business Analytics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUSIC EDUCATION (MUED) School of Music

MUED 5123 - Foundations of Music Education

This is a presentation of the major disciplines specific to music education including history, philosophy, psychology, pedagogy and sociology of music education. The course intends to inform the practice of music education through a study and integration of those disciplines that provide a multi-dimensional view of the field.

MUED 5213 - History of Music Education

This course surveys the history of music education from antiquity to the present, placing special emphasis on current music education in the United States. The survey views music education within the larger context of education history, method and philosophy and gives special attention to recent relevant developments in cognitive theory.

MUED 5223 - Philosophy of Music Education

This course presents a survey of philosophical systems, subjects, and issues relating to music education in a survey of philosophies from ancient times to the present. The course concentrates on modern philosophies of music education, their distinctive differences, and the impact that these philosophies have on current music education and advocacy.

MUED 5333 - Current Trends in Practice

This course acquaints students with recent developments and innovations in the philosophy, psychology, pedagogy and advocacy of music with the specific purpose of evaluating their effectiveness and applicability for today's music classroom.

MUED 5413 - Trends in Marching Band

This course covers marching band fundamentals, various types of precision marching, pageantry, charting and show planning. Each student will be required to write an original seven minute halftime show.

MUED 5433 - Secondary Vocal Methods

This course covers advanced material relating to instructional, organizational and philosophical issues relevant to the conduct of vocal music programs at the secondary level. It concentrates on the methods and materials for conducting a high school choir.

MUED 5513 - Music Advocacy for Schools

This course investigates the major issues relating to advocating music education in the public school system, considers the variety of stakeholders, and surveys the relevant research and scholarly work relating to the subject. Students will formulate for a specific situation an advocacy plan that addresses all relevant concerns and issues.

MUED 5723 - Arranging for Marching Band

This course develops the advanced skills necessary for creating successful marching routines consistent with current practice and aesthetics. Students will gain a command of the techniques of selection and arranging of music and coordination with effective marching drills and maneuvers toward the design and creation of multimedia performances typical of current practice.

MUED 5743 - Music Administration

This course provides students with the skills necessary to manage a department-level music program including budget formulation, tactical and strategic planning, personnel management and curriculum evaluation.

MUED 5833 - Instructional Methods & Materials

This course is designed to help the graduate student identify new approaches or refine current approaches to instructional, organizational, or philosophical issues that affect instrumental music education programs.

Graduate Course Descriptions

MUED 5843 - Instrumental Methods

This course covers teaching instrumental music from beginning instruction through high school with particular attention to the integration of methodological techniques with the philosophy, psychology, and pedagogy of music.

MUED 5853 - Elementary Music Methods

This course studies the methods of teaching general and vocal music classes in the early grades emphasizing a deeper study of the interrelationships of educational philosophy, methodology, teaching technique and how they apply in a variety of teaching situations.

MUED 5900 - Practicum in Music Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Permission of department chairperson required.

MUED 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUED 5920 - Workshop in Music Education

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.

MUED 5930 - Individual Study In Music Education

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports.

MUED 5940 - Field Study in Music Education

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

MUED 5950 - Internship in Music Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MUED 5960 - Institute in Music Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MUED 5970 - Study Tour in Music Education

Credit will vary. Subject matter will vary within the department's field of study

MUED 5980 - Graduate Project

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUED 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUSIC (MUS) School of Music

MUS 5022 - Music For Small Vocal Ensemble

Repertoire and performance practices of music for small vocal ensemble ranging from 16th century madrigal to contemporary literature.

MUS 5043 - Music in America

The course possesses a socio-historical orientation and covers a broad spectrum of the musical life of the United States since its colonization. The content includes sacred and secular, popular and classical, as well as some of the folk traditions that have made important contributions to American musical life.

MUS 5062 - Applied Composition

This course is the advanced study of the art of music composition by an individual student under the direct supervision of the instructor. This approach allows for the instructor to provide intensive feedback to individual needs as the student advances through more complex musical structures and ideas to achieve a professional level of skill in composition.

MUS 5113 - Advanced Choral Conducting

This course develops advanced techniques of choral conducting especially as they relate to the performance practice of distinct stylistic and historical periods.

MUS 5133 - 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 topics areas, developing expertise in the historical and theoretical analysis of the repertoire and its primary sources. Prerequisite(s): Enrollment open to graduate music majors only.

MUS 5143 - Instrumental Ensemble Literature

This course surveys the history of wind and string instruments and the literature for these ensembles from the Middle Ages to the present.

MUS 5163 - 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): Enrollment open to graduate music majors only.

MUS 5173 - Advanced Instrumental Conducting

This course develops advanced techniques of instrumental conducting especially as they relate to the performance practice of distinct stylistic and historical periods.

MUS 5182 - Collaborative Piano Lit I

The purpose of this course is to give students a deeper knowledge of the vast repertoire that exists in the realm of collaborative piano. The course is designed to survey both the standard repertoire as well as introduce more esoteric, yet substantial music. Instrumental duos, chamber works and orchestral reductions of all periods will be discussed and analyzed within an historical and theoretical perspective.

MUS 5192 - Collaborative Piano Lit II

The purpose of this course is to give students a deeper knowledge of the vast repertoire that exists in the realm of collaborative piano. The course is designed to survey both the standard repertoire as well as introduce more esoteric, yet substantial music. Vocal duos, chamber works and operatic orchestral reductions of all periods will be discussed and analyzed within an historical and theoretical perspective.

MUS 5202 - Advanced Voice Pedagogy

A survey of methods of teaching singing with emphasis on vocal problems as illustrated through demonstration lessons with advanced students.

Graduate Course Descriptions

MUS 5213 - Music Theatre Directing I

The historical emergence of the director, production techniques, working with staff, artistic staff and performers, and coordination of all elements of pre-production, production, and post production. Prerequisite(s): MUSIC 2473, 3423, and written permission of instructor.

MUS 5223 - Music Theatre Directing II

The student will choose scenes from music theatre repertoire, cast them, and select the crew and staff. The student will take scenes through production and performance. Prerequisite(s): MUSIC 2331, 3622, 4213, and written permission of instructor.

MUS 5232 - Music For Elementary Teachers

A practical, activity-oriented approach to elementary music methods for persons holding a Bachelor of Music or Bachelor of Music Education degree. Prerequisite(s): Bachelor of Music or Music Education degree. This course replaces MUS 5033 & MUS 5032 Music for Elementary Teachers.

MUS 5263 - Choral Literature

This course is a study of selected major choral works from the Renaissance to 20th Century periods through historical, analytical, stylistic, textual and pedagogical perspectives. Graduate students will be required to present research on assigned topics.

MUS 5273 - History of Music Theatre

This course will examine the history, philosophy, and significance of one of the quintessentially American forms of performance—the musical theatre. The course will explore the context of the musical in the theatre throughout history and in the contemporary arts through a study of historical evolution. Prerequisite(s): Enrollment open to Master of Music and Jazz Studies majors only.

MUS 5291 - Leadership Chamber Music Ensemble

This ensemble focuses on the process of forming of a successful chamber music group and the rehearsal and performance of various styles of literature. The participants will be expected to perform outreach in the Oklahoma City Metropolitan area. This course may be taken 8 times for credit. Prerequisite(s): Must be concurrently enrolled in applied lessons.

MUS 5312 - Introduction to Music Research

This course introduces students to resources and research methods, appropriate to a variety of information needs met in a professional career in music. Students also gain experience in presenting the results of research in both oral and written form, as appropriate to different audiences and purposes.

MUS 5323 - Piano Literature I

This course is a study of piano literature from the Baroque, Classical, and the early Romantic 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 3020, 4000).

MUS 5333 - Piano Literature II

This course is a study of the piano literature and performance practice from the Romantic period to the present day. 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 3020, 4000)

MUS 5341 - Writing About Music

This course is designed to refine students' writing skills for a variety of professional purposes and potential readers related specifically to music. Most class time is spent in individual recitations. It also effectively supplements Introduction to Music Research for those students who need assistance in mastering formal, scholarly style in writing.

MUS 5362 - Advanced Music Composition

Advanced music composition explores the creative process of writing acoustic and electroacoustic music. The computer is used to create music notation and multitrack compositions. The course may be taken more than once and can count for 2 hours of theory credit and up to 6 hours of elective credits in the master of music degree. Prerequisite(s): Eight hours of undergraduate harmony.

MUS 5372 - Computer Music Technology

Computer Music Technology presents an in-depth study of Digital Performer, an industry standard audio production software application. Other topics include the Macintosh Operating System, Finale Notation Software, Audio-Interface Concepts, MIDI Sequencing, Virtual Signal Routing, Software Plug-Ins, Microphone Selection, and Mixing Concepts.

MUS 5383 - Advanced Recording Technology

Advanced Recording Technology is an in-depth study of the complete schematics of the UCO Jazz Lab Recording Studio. Topics will include Microphone Selection and Placement, Signal Routing and Cabling, Analog and Digital Mixer Applications, Audio Interface Applications, Analog and Digital Recording Techniques, Digital Performer Plug-Ins, Audio Latency Management, Mixing Techniques, and Mastering Techniques. Prerequisite(s): MUS 5373.

MUS 5392 - Advanced Arranging

This course develops advanced techniques of arranging music especially as they apply to specific musical ensembles, styles and professional applications. Students will examine stylistic and genre-specific compositional approaches and learn various notation traditions including lead-sheet notation, rhythm charts, and standard notation. Students will produce professional scores and parts for each project and organize a public performance of the final project. All projects will be completed using computer notation software.

MUS 5422 - Contemporary Analytical Survey

This course explores a broad range of analytical techniques and issues relevant to twentieth-century music. While focusing on historical and social context, this course combines a survey of twentieth-century compositional styles with advanced musicianship exercises focusing on the post-tonal repertoire. Analysis and model composition assignments will address aspects of pitch-class set and serial theory, as well as other techniques developed by contemporary composers.

MUS 5443 - 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. Graduate students will be required to complete additional research and present a minimum of three classroom presentations on assigned topics.

Graduate Course Descriptions

MUS 5453 - Music Theory Pedagogy

This course covers the essentials of diatonic and chromatic harmony and voice-leading, through part-writing, analysis, and aural training. Students will obtain a deeper understanding of this subject material and the methodology of teaching it through practical experience in teaching and conducting elements of the course.

MUS 5463 - Studies in Music Theory

This title embraces a continually changing variety of specific courses in the broad field of music theory, each designed around the particular expertise or research interest of the individual instructor. The subject areas include but are not limited to specific analytical techniques, the analysis of specific repertoires, issues in the history of theory, and contemporary issues in theoretical analysis. In each case an emphasis is placed on the state of current research in the field and the involvement of students in independent research.

MUS 5473 - Advanced Counterpoint

This course in contrapuntal composition focuses on techniques of modal counterpoint and how those techniques are further used in contemporary music. Students will examine the relationship between Pre-tonal voice-leading and modern compositional practices, the historical compositional similarities, and the evolution of voice-leading procedures through survey and analysis. Students will compose short musical compositions utilizing specific techniques learned throughout the course.

MUS 5483 - Native American Music

This course is an advanced exploration of Native American music as an integral part of Native American life. Students in this class will study the history, preservation and perpetuation of these traditional cultures in contemporary public and private context focusing on graduate-level research, writing, event planning, and presentation.

MUS 5493 - Advanced Aural Skills

This course addresses various techniques for developing aural skills for advanced chromaticism, melodic materials and rhythmic structures using a broad range of musical styles, including classical, pop, jazz, film, musical theater and world music.

MUS 5503 - Advanced Conducting-Score Read

This course presents a thorough study of choral, band, and orchestral scores and their interpretation, with particular emphasis on developing more advanced techniques and experiences in conducting.

MUS 5512 - 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): Concurrent enrollment in Applied Brass and 6 hours of Applied Brass at the graduate or undergraduate level.

MUS 5522 - Woodwind Pedagogy

This course will address methodological approaches to technical and musical aspects of woodwind teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Concurrent enrollment in Applied Woodwinds and 6 hours of Applied Woodwinds at the graduate or undergraduate level.

MUS 5532 - String Pedagogy

This course will address methodological approaches to technical and musical aspects of string teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Concurrent enrollment in Applied String and 6 hours of Applied String at the graduate or undergraduate level.

MUS 5542 - Percussion Pedagogy

This course will address methodological approaches to technical and musical aspects of percussion teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Concurrent enrollment in Applied Percussion and 6 hours of Applied Percussion at the graduate or undergraduate level.

MUS 5553 - History of Vocal Pedagogy

Students will compare and contrast theories of vocal pedagogy, from the traditional methods of Tosi, Garcia and others to the functional, vocal science-based methods of today. Both classical and contemporary commercial music styles will be covered as well as methods of teaching children and dealing with the aging voice. Prerequisite(s): MUS 5202 or concurrent enrollment in MUS 5202 and MUS 5561 or concurrent enrollment in MUS 5561.

MUS 5561 - Voice Pedagogy Lab

The Voice Pedagogy Lab will be taken concurrently with MUS 5202, Advanced Vocal Pedagogy, and will introduce the use of Vocevista and other voice analysis programs for use in the voice studio. The class will also observe the dissection of the thorax and the larynx, create models of the larynx and lungs, and create public service projects on vocal health. Concurrent enrollment in MUS 5202 is required.

MUS 5572 - British and American Song

This course is the study of British and American Song for solo voice or vocal chamber ensemble. The purpose of this course is to inform performance practice through the study of the musical style, structure, historical and social context, including attention to textual interpretation and diction of British and American Song. The course is presented through lecture, demonstrations, recordings and class participation of representative selections of the repertoire. Prerequisite(s): Enrollment is open to Master of Music and Jazz Studies majors only.

MUS 5582 - French Melodie

This course is the study of French melodie, for solo voice or vocal chamber ensemble. The purpose of this course is to inform performance practice through the study of the musical style, structure, historical and social context, including attention to textual interpretation and diction of French melodie. The course is presented through lecture, demonstrations, recordings and class participation of representative selections of the repertoire. Prerequisite(s): Enrollment open to Master of Music and Jazz Studies majors only.

MUS 5592 - German Lieder

This course is the study of German Lieder, for solo voice or vocal chamber ensembles. The purpose of this course is to inform practice through the study of the musical style, structure, and historical and social context, including attention to textual interpretation and diction of German Lieder. The course is presented through lecture, demonstrations, recordings and class participation of representative selections of the repertoire. Prerequisite(s): Enrollment open to Master of Music and Jazz Studies majors only.

MUS 5613 - Jazz Pedagogy

This course will teach techniques of instruction in the areas of jazz improvisation and jazz ensemble performance appropriate for teaching at the high school and university levels. Independent research and laboratory rehearsal experiences will be required.

Graduate Course Descriptions

MUS 5633 - 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. Graduate students will complete additional research projects and give a minimum of three class presentations on assigned topics.

MUS 5653 - Jazz & Commercial Music Arranging

Jazz & Commercial Music Arranging instructs the student in the art of wind, string, vocal, and rhythm section arranging as relates to jazz and commercial music styles. Students will be expected to arrange for jazz ensemble, studio rhythm section, various combinations of horns/strings, and vocals.

MUS 5662 - CD Album Pre-Production

This course is intended to give students laboratory studio time with instructor supervision to complete pre-production of the graduate CD album. This includes composition, arranging and orchestration, and scratch reference tracks. Prerequisite(s): MUS 5372, 5383, and (5653 or concurrent enrollment).

MUS 5674 - CD Album Production

CD Album Production is to be taken during the final spring semester of the Master of Music in Jazz Studies Commercial Music Production Degree. During this semester project, the student will complete all recording, editing, mixing, and mastering of the final CD Album project. Prerequisite(s): MUS 5372, 5383, and 5662.

MUS 5682 - Survey of Music Theory

This course is designed to present the entering graduate student with a summary of those skills in music theory—written, aural and analytical—required for successful graduate study in music. The course emphasizes a more complete synthesis of the diverse elements of music theory than that achieved in the undergraduate curriculum, in which synthesis is directed toward the goal of application in professional practice. Prerequisite(s): Enrollment is open to Master of Music and Jazz Studies majors only.

MUS 5692 - Survey of Music History

This course introduces graduate students through a survey of music history to the critical and analytical techniques, as applied to the history of musical composition, necessary for successful work as a graduate student and a practicing professional musician. Prerequisite(s): Enrollment open to Master of Music and Jazz Studies majors only.

MUS 5703 - Contemporary Performance of American Music

"Contemporary Performance of American Music" consists of weekly listening to live performances of various musical genres (i.e. classical, jazz, rock, gospel, country, bluegrass, etc. —both choral and instrumental) and evaluating the performance and the musical style through class discussion, student presentations and written critiques. Transformative research of contemporary musical genres with class presentations is also part of the class assignments. Prerequisite(s): Enrollment open to Master of Music and Jazz Studies majors only.

MUS 5713 - Analytical Techniques

This course introduces students to the advanced application of techniques of harmonic and formal analysis as applied to the repertoires of western music from the eighteenth through the early twentieth century.

MUS 5723 - History of Performance

This course surveys the development of western music from medieval to modern times from the perspective of music performance and its literature. Students will study such aspects of historical performance as rhythm, tempo, ornamentation, and improvisation as well as learn how to distinguish practices appropriate to specific historical periods. Students will also receive an introduction into the primary and secondary literature in the field and how to evaluate both it and issues of philosophy, aesthetics and authenticity.

MUS 5733 - History of Theory

This course traces the impact of music theory on the development of western music from ancient to modern times. The interaction between academic and practical traditions, as revealed in the separate literatures of academic speculative theory and practical theory of composition and performance practice, will be covered. Prerequisite(s): MUS 2623, 2663 and 3273 with a minimum grade of "C".

MUS 5743 - Music History Pedagogy

This course is an advanced diachronic survey of music history, ancient through contemporary, emphasizing the historical development of musical styles with reference to selected works from the literature. Students will participate actively in the conduct of the class, gaining knowledge of the pedagogy of music history and practical experience in teaching.

MUS 5753 - Studies in Music History

This title embraces a continually changing variety of specific courses in the broad field of music history, each designed around the particular expertise or research interest of the individual instructor. The subject areas include but are not limited to genre studies, individual composers, limited period studies and contemporary issues. In each case an emphasis is placed on the state of current research in the field and the involvement of students in independent research.

MUS 5773 - History of Instruments

This course covers the history of keyboard, woodwind, brass, string and percussion instruments in their general and technical development, considering them in the context of historical performance. It also makes references to how development was affected by such issues as significant innovations in orchestration and tuning and temperament systems.

MUS 5783 - History of Opera

This course will examine the creation of the operatic form, from its predecessor forms of Greek and Medieval Liturgical drama to 21st Century opera. Students will learn a general knowledge of opera history and its literature, and be able to identify topics of specific interest for future study.

MUS 5802 - Current Trends in Piano Pedagogy

This is a survey course on piano pedagogy, and related issues on piano teaching and learning. Current trends in piano pedagogy are applied in class discussions, presentation, and different assignments, including technology-assisted learning, teaching students with special needs or disabilities, Recreational Music Making (RMM), and ever-evolving issues that are crucial to the development of the field of piano teaching in all levels and ages. This course is designed to address the needs of a survey course in current trends piano pedagogy without the requirements of applied piano pedagogy.

MUS 5812 - Choral Directors Institute

The choral directors institute is a three-day lecture series for choral directors. Nationally recognized clinicians will offer sessions on all areas of choral music.

Graduate Course Descriptions

MUS 5831 - Opera Workshop

Opera Workshop presents the advanced levels of performance on the operatic stage through extensive study of opera scenes, acting, diction, recitative work and audition techniques. The semester ends with a public performance of opera scenes studied during the semester. This course may be taken six times for credit. Prerequisite(s): Enrollment open to Master of Music and Jazz Studies majors only.

MUS 5882 - Piano Pedagogy

This course is a study of the materials and techniques of teaching piano, from beginners to advanced levels, in private and group settings. Concurrent enrollment in MPER 5010 Applied Piano Pedagogy is required for piano pedagogy majors. For piano performance and collaborative piano majors, concurrent enrollment in MPER 5010 Applied Piano Pedagogy is recommended.

MUS 5892 - Advanced Piano Pedagogy

This is a continuation of the studies of piano teaching from MUS 5882 Piano Pedagogy. Current trends in piano pedagogy and related piano teaching issues are included. Students will prepare a teaching portfolio suitable for the national certification for the Music Teachers National Association (MTNA). Students will research and create pedagogy workshop presentations on students' chosen topics as part of the course requirements. Concurrent enrollment in MPER 5010 Applied Piano Pedagogy is required for piano pedagogy majors. Prerequisite(s): MUS 5882.

MUS 5900 - Practicum In Music

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Permission of department chair required.

MUS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. Prerequisite(s): An undergraduate minor in the subject matter area and permission of the Department head and the director of graduate studies.

MUS 5920 - Workshop in Music

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.

MUS 5930 - Individual Study In Music

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports.

MUS 5940 - Field Study In Music

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

MUS 5950 - Internship In Music

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MUS 5960 - Institute In Music

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MUS 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

MUS 5980 - Graduate Project

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

NUTRITION (NTRN)

Department of Human Environmental Science

NTRN 5032 - Nutrition Education

This course provides the application of learning theory and media in the design, development and delivery of nutrition education and counseling programs.

NTRN 5102 - Newer Trends In Nutrition

This course includes a thorough study of the newer trends and recent research in nutrition. Prerequisite(s): Permission of instructor.

NTRN 5154 - Quantity Food Production and Lab

This course includes the study of foods, production, equipment, preparation and service techniques in commercial food with emphasis on quality standards. Prerequisite(s): NTRN 1613, NTRN 3131. Co-requisite(s): NTRN 1613.

NTRN 5174 - Medical Nutrition Therapy

This course includes theory and application of medical nutrition therapy that integrates nutrition, biochemistry, physiology and pharmacology in the treatment of various diseases. Prerequisite(s): CHEM 3403, BIO 2604, NTRN 2423. Co-requisite(s): CHEM 3403.

NTRN 5184 - Advanced Nutrition

The advanced study of nutrition including 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 enrollment, and BIO 2604.

NTRN 5193 - Food Science

This course includes an investigation of the scientific techniques that must be utilized by food scientists and technologists to bring commercially viable products to the marketplace. Prerequisite(s): NTRN 1613 and CHEM 3303.

NTRN 5212 - Management Of Food and Nutrition Services

This course includes the study of concepts, processes, and theories of managing food and nutrition services. The course will emphasize leadership, decision making, communication, management of human resources, finances, legal aspects of food businesses and purchasing. Prerequisite(s): Enrollment open to Nutrition and Food Management majors and all others by permission of the instructor.

NTRN 5224 - Institutional Food Management

This course includes the organization and administration of food systems. Emphasis is on physical facilities, management of human resources, financial controls, and safety and sanitation. Prerequisite(s): NTRN 4674 and 4674L, NTRN 1613, and NTRN 3131. Concurrent enrollment in NTRN 5224L.

NTRN 5224 L - Institutional Food Management Lab

This lab is designed to accompany NTRN 5224 Instructional Food Management and provide students with hands-on experience in managing a food service operation. Prerequisite(s): NTRN 4674 and 4674L, NTRN 1613, and NTRN 3131. Concurrent enrollment in NTRN 5224.

NTRN 5233 - Research Problems in Nutrition and Food Science

This course includes the basic techniques and methodology in nutrition and food science research; reviewing current research studies and interpreting findings in order to evaluate research in the nutrition and food science areas of specialization.

Graduate Course Descriptions

NTRN 5322 - Nutrition Assessment

This course includes the process used to assess nutritional needs of individuals or groups, and to plan a measurable nutrition intervention program appropriate for clients in various special health care settings. Prerequisite(s): Accepted into the Dietetic Internship and permission required by instructor. Enrollment is open to Nutrition and Food Management majors only.

NTRN 5333 - Computers In Nutrition

The course offers the opportunity to use state of the art software developed for food management operations and nutrition services. Prerequisite(s): Computer literacy and graduate standing in nutrition and food management.

NTRN 5402 - Nutritional Concerns Of Women

The course includes a study of scientific nutrition research on issues pertinent to women's health in all age groups.

NTRN 5412 - Pediatric & Prenatal Nutrition

This course offers a study of the biological bases for nutrient requirements and dietary recommendations as they vary throughout the life cycle. It covers the nutritional needs of women during pregnancy and lactation, infants, and children.

NTRN 5422 - Sports Nutrition for Professionals

This course is an advanced study of nutrition and the application of the principles of nutrient metabolism as they relate to physical activity, sport and health. This course will emphasize the development of skills required by the professional to assess and provide dietary advice for the active individual. A study of current research and trends will be incorporated. Prerequisite(s): NTRN 4394 or (HLTH 3412 and PHYED 3503) or permission of instructor. Enrollment open to Nutrition and Food Management, Nutrition, Dietetic, and Wellness Management majors only.

NTRN 5523 - Counseling in Dietetics

This course will provide a study of behavior theories and counseling methods in individuals and groups as it applies to the practice of dietetics.

NTRN 5633 - Foodservice Financial Management

This course will develop financial and accounting skills to meet the complicated financial management demands of food management professionals especially in healthcare. It will assist the student and improve decision-making skills in regard to efficient and cost effective operations.

NTRN 5641 - Public Policy in Nutrition

This course is an introduction to the legislative and public process in the United States, in the state, and on a local level with special emphasis on nutrition policy. It will involve developing an understanding of how laws are made and defining public policy. There will be an emphasis on grass roots involvement and other influences on public policy.

NTRN 5653 - Advanced Food Science

This course examines major principles in food science, such as chemical ingredients of food, issues in food product development, sensory evaluation, microbiological concerns of food and food laws and regulations. Prerequisite(s): NTRN 4123. Enrollment open to Nutrition and Food Management majors only.

NTRN 5663 - Food Laws and Regulations

This course is designed for those who wish to understand the legal and regulatory complexities of food products regulation in the United States, and the responsibilities of the different federal agencies involved in the regulation. Issues such as food safety, regulatory compliance, HACCP, genetic modifications, food and nutrition labeling, dietary supplements and the protection of the food supply will be covered. Prerequisite(s): NTRN 5653 Advanced Food Science and graduate standing.

NTRN 5723 - Functional Foods for Health

The objectives for this course are to educate students regarding the diverse nutraceutical products that are used by the public, enable them to understand the mechanisms of action of many of these products, develop knowledge about the efficacy and safety of the products, and understand the application of these products to health maintenance and disease prevention. Prerequisite(s): NTRN 5653 Advanced Food Science.

NTRN 5713 - Food Safety and Quality Management

This course will cover advanced topics related to food safety and quality assurance including current issues regarding the mitigation of biological and physical threats through the use of HACCP and SQF standards. Impacts of recent regulations, such as the Food Safety and Modernization Act of 2011 on food production and distribution will be discussed. Allergen control, modern plant sanitation techniques, and pest management will also be covered. Methods of statistical process control as related to maintaining consistent product quality will be described. Food quality audits procedures will be explained. Prerequisite(s): NTRN 5653 Advanced Food Science.

NTRN 5733 - Microbiological Safety of Foods

This is a graduate level course that builds on undergraduate and graduate coursework in Food Science, Biology, and Microbiology/Food Microbiology. The lecture covers major foodborne microorganisms, toxins, and factors affecting the growth and control of microorganisms. Food fermentation will be discussed. The course will also review recent developments in food safety microbiology. Prerequisite(s): NTRN 5653 Advanced Food Science.

NTRN 5892 - Advanced Clinical Nutrition

This course includes the development of skills required of the professional nutrition care specialist. It additionally provides an opportunity to integrate nutrition knowledge with its application in clinical care in a variety of health care practice settings. Prerequisite(s): NTRN 4394, NTRN 4034, CHEM 3403, CHEM 3442, and BIO 2604. Permission required.

NTRN 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prerequisite(s): An undergraduate minor in the subject matter area and written permission of graduate advisor.

NTRN 5920 - 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.

Graduate Course Descriptions

NTRN 5930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area and permission of graduate advisor.

NTRN 5940 - Field Study in Nutrition

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

NTRN 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

NTRN 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

NTRN 5970 - Study Tour In Nutrition

Credit will vary. Subject matter will vary within the department's field of study.

NTRN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

NURSING (NURS) Department of Nursing

NURS 5103 - Pathophysiology for Non Majors

This course is intended for students who did not have pathophysiology in their undergraduate degree and/or for students who are not declaring a major in nursing for their graduate degree. It includes the study of physiological mechanisms altered by disease in the human organism, and explores the rationale for diagnosis and therapeutic interventions in disease conditions. Prerequisite(s): BIO 2604.

NURS 5113 - Advanced Pathophysiology

The course provides an advanced understanding of pathophysiologic processes underlying human illness. Instruction applies a systems approach to covering pathophysiologic processes associated with altered health states in adults. This course is required for nursing master of science majors. Students are required to have completed pathophysiology in undergraduate course work.

NURS 5133 - Advanced Pharmacology

This course provides a basis for understanding the use of pharmacotherapeutic agents for clients across the human life span. The course builds upon the pharmacologic knowledge base acquired at the baccalaureate level in nursing.

NURS 5153 - Advanced Health Assessment

This course includes a combination of classroom and clinical experience which enables students to develop advanced practice nursing skills in individual health assessment of infants, children, adults and aging people. In addition, students develop skills in family assessment.

NURS 5163 - Innovations in Nursing

This discussion course addresses the current trends and issues in health, healthcare, and nursing at the state, national, and global levels in order to prepare the graduate nurse to efficiently work and initiate change within the current healthcare environment. In this course, students will examine changes in the healthcare delivery system and measure that promote quality, safety, and better health outcomes in patient care. Students are challenged to examine and propose solutions to these nursing issues.

NURS 5213 - Theoretical Foundations of Nursing

This course will explore theories in nursing and related sciences that contribute to high-quality nursing practice and healthcare. Theories will be examined for their application across a variety of healthcare settings and populations.

NURS 5233 - Advanced Research/Evidence Based Practice

This course focuses on decision strategies in selecting and evaluating research design, sampling methods, data collection, and analysis to facilitate the development of a proposal for the final thesis or capstone project. Principles of evidence-based practice are used to identify and clarify practice issues in need of research or intervention. Students will apply research outcomes within their chosen practice setting to serve as a change agent to resolve practice problems and improve health outcome. Prerequisite(s): An undergraduate or graduate course in statistics.

NURS 5243 - Healthcare Finance Management

This course provides economic and financial management knowledge for healthcare leadership working in different areas along the healthcare continuum (such as inpatient, outpatient, public health, acute care, etc.). Topics, theoretical and practical, are selected to prepare and to empower the student in leadership roles to be more effective and to have a greater impact in strategic management. Course content undergirds the premise that financial and management decisions are intricately interwoven within the healthcare delivery system evolution and the leadership decisions on budgeting, staffing, patient acuity, productivity of staff, as well as quality standards and strategic management.

NURS 5323 - Leadership in Healthcare Organizations

This course examines principles of organizational and system leadership critical to the promotion of high quality and safety in health care. Organization and leadership knowledge and skills are emphasized in ethical and critical decision making, effective working relations, and a systems perspective. Leadership is approached as a key element to improve an organization's problem-solving skills and its overall effectiveness within a changing and complex health care environment, including behavioral effects of power and authority, organization structures, leadership, motivation, organizational change, and strategic planning.

NURS 5333 - Quality, Safety & Technology in Healthcare

This course will develop knowledge related to the complexities of healthcare informatics, access, quality, and cost. Students explore current technologies that support healthcare informatics and examine the use of information technology in decision making to promote safety and quality in health and healthcare outcomes. This course replaced NURS 5332 Healthcare Informatics.

Graduate Course Descriptions

NURS 5353 - Legal/Ethical Issues in Healthcare

This course promotes an examination of legal and ethical concepts, values, theories, and principles relevant to nursing practice, health, and healthcare. The content will provide an opportunity for students to explore current ethical and legal issues that impact professional nursing, healthcare, and the health of aggregate populations; apply ethical decision-making that is related to ethical dilemmas in nursing practice, healthcare, and populations; and analyze ethical and legal aspects for the provision of health-related services at the institutional, community, and systems level.

NURS 5363 - Performance Improvement in Healthcare

This course is an introduction to the fundamentals of performance and quality improvement in healthcare with an emphasis on the principles and tools for quality improvement. Application of structural, process, and outcome measures from relevant organizational, professional, and governmental entities will provide a foundation for the analysis of quality and risks within healthcare systems. Application of common quality approaches to a variety of healthcare and populations contexts will support student learning. Additionally, principles for Human Resource Management will be explored and approaches assessed for implementation within the quality framework in various healthcare settings to further enhance environments for quality healthcare.

NURS 5414 - Practice Immersion Experience

The practicum is an integral part of the experiential learning for M.S. students, which builds upon principles, theories and core competencies developed in the classroom. This transformational learning experience provides an opportunity for students to immerse themselves in a professional learning environment within their chosen domain of practice. Designed as an evidence-based practice course of the master's program the student is expected to integrate and apply knowledge and skills in the field under the supervision of selected preceptors. The practicum experience requires 100 precepted hours to meet the students' individualized, professional goals. This course replaced NURS 5412 Clinical Nursing Course.

NURS 5423 - Designing & Evaluating Learner-Centered Curriculum in Nursing

This course will analyze the pedagogical philosophies and assumptions associated with adult learning and nursing education that form the basis for curricular and course development, implementation, and evaluation. Attention will be given to the impact of current and future external and internal forces on the development of curriculum, course content, and teaching/learning strategies.

NURS 5443 - Complex Adaptive Systems

This course provides an opportunity for application of complex adaptive system concepts and techniques in health care and public health settings to assure quality practice, organizational and client outcomes, employee engagement, and improved health status of the population of concern. Prerequisite(s): NURS 5213 or approval of the instructor.

NURS 5603 - Transformative Teaching Strategies

In this course participants will learn various instructional strategies to enhance interdisciplinary learning experiences in health professions education. Participants will explore instructional methods using collaborative educational models, such as small and large group experiences, team-based learning, and experiential case-based strategies. Techniques in the use of simulations and instruction in clinical settings with a focus on educator strategies. Techniques in the use of simulations and instruction in clinical settings with a focus on educator behaviors that stimulate learner achievement are introduced. With integration of technology and an appreciation for diversity of learners, and collaborative project experiences into the development of course content.

NURS 5613 - Methods for Evaluating Learning Outcomes

This course provides conceptual frameworks for evaluating learning outcomes for individuals and groups in educational nursing settings. Emphasis is on the methods of evaluation related to student performance and academic program outcomes.

NURS 5623 - Educational Strategies Practice

This course provides preparation for employment and development of competencies as educators in academic and complex healthcare organizations. Course concepts include functioning within the educational environment; understanding research abilities; teaching-learning processes; the use of technology, civic engagement, and service; and developing effective communication skills with diverse groups. Students conduct a practicum experience in order to synthesize theory and research related to the role of nurse educator. Prerequisite(s): NURS 5213, 5423 and 5613.

NURS 5713 - Health Policy and Advocacy

In this course political structures and social forces that shape healthcare delivery will be examined. Students gain knowledge about structure and processes of governance and government in four spheres in which healthcare professionals can influence policy: government, workplace, organizations, and community. Concepts such as health care reform, social policy, advocacy, power, lobbying, political behaviors and health economics are examined within the pluralistic society related to the policy analysis process. Each student will engage in a policy analysis and be encouraged to capitalize on their discipline's collective potential to influence policy.

NURS 5733 - Advanced Human Science Concepts in Nursing

This course builds upon broad advanced conceptual frameworks for studies in human physiology, pathophysiology, pharmacology, and physical assessment. Content includes systematic approaches to investigating selected altered health states for individuals and populations across the life span. Emphasis is on navigating advanced human science concept applications for improving individual and population health outcomes.

NURS 5900 - Practicum In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 5920 - Workshop in Nursing

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.

Graduate Course Descriptions

NURS 5930 - Individual Study In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 5940 - Field Study In Nursing

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

NURS 5960 - Institute In Nursing

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

NURS 5970 - Study Tour In Nursing

Credit will vary. Subject matter will vary within the department's field of study.

NURS 5980 - Graduate Project

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

NURS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

OCCUPATIONAL AND TECHNOLOGY EDUCATION (OCTE)

Department of Adult Education & Safety Science

OCTE 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 5920 - 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.

OCTE 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

OCTE 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

OCTE 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHYSICAL EDUCATION (PHED)

Department of Kinesiology and Health Studies

PHED 5102 - Problems Of Health And Physical Education

Individual investigation of research methods and special problems in health and physical education.

PHED 5122 - Program Design & Development In Health And Physical Education

An analytical study of aims, objectives, program activities methods and outcomes in the programs in health and physical education, within and outside the school setting.

PHED 5123 - Curriculum Construction Health & Physical Education

An analytical study of aims, objectives, program activities methods and outcomes in the teaching of health and physical education.

PHED 5153 - Physical Education Facilities/Equipment

A course emphasizing the functional planning of physical education facilities and equipment for outdoor and indoor areas, stadium, gymnasium, swimming pool and other.

PHED 5202 - Health & Physical Education For The Elementary Teacher

Study of the basic content and general principles of health and physical education appropriate to the elementary school program; organization of materials, procedures and techniques of instruction. Prerequisite(s): PHED 3302 or its equivalent.

PHED 5212 - Health & Physical Education For The Secondary Teacher

Study of the basic content and general principles of health and physical education appropriate to the secondary school program; organization of materials, procedures and techniques of instruction. Prerequisite(s): PHED 4303.

PHED 5222 - Physical Education In Higher Education

A study of the function of physical education in the general education and professional preparation curricula of higher education institutions. Also an intensive study of the physical education faculty member's role as a member of the higher education community.

PHED 5233 - Contemporary Issues In Physical Education And Sport

This course involves an analysis of selected contemporary issues in the areas of physical education and sport with emphasis on rational development and evaluation of viewpoints.

PHED 5252 - Legal Aspects Physical Education, Recreation And Athletics

A study of the legal responsibilities of persons functioning in the fields of physical education, recreation, and athletics including the application and interpretation of the law.

PHED 5272 - Motor & Body Image

A diagnostic-prescriptive approach in the determination and remediation of problems in motor development. Discusses the gross and fine-motor development and body-image development as relates to problems in learning and adjustment. The student experiences theoretical and practical activities: (1) administering motor-based tests common in schools, (2) developing a prescriptive program for remediation of deficits determined through testing, and (3) writing assessment results and recommending activities for alleviation.

PHED 5313 - Applied Sports Psychology

This course is a study of psychological theories and techniques that could be used to enhance the performance and personal growth of sports and exercise participants from youth to elite levels.

PHED 5363 - Psychological Basis Of Human Performance

A study of the principles of learning as applied in the teaching of physical education.

PHED 5602 - Physical Education & Recreation For The Exceptional Child

Understanding motor characteristics and assessing motor development of the exceptional child; development and adaptation of physical education and recreation programs; and field and/or laboratory experiences.

PHED 5632 - History & Philosophy Of Health & Physical

Graduate Course Descriptions

Education

A study of the historical and philosophical bases of health and physical education.

PHED 5672 - Public Relations In Health And Physical Education

Principles and practices involved in the presentation of health and physical education to the public.

PHED 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHED 5910 - Seminar / Special Topics

Credit varies from 1 to 4 hours. Directed intensive study on selected problems or special topics.

PHED 5920 - 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.

PHED 5930 - Individual Study

Credit varies from 1 to 4 hours. Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports. Prerequisite(s): An undergraduate major in the subject matter area to be studied and permission of graduate advisor.

PHED 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

PHED 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

PHED 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHED 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

PHED 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PHILOSOPHY (PHIL)

Department of Humanities & Philosophy

PHIL 5163 - Philosophy Of Science

Pursues the philosophical implications of various principles and ideas in the sciences, and raises critical questions regarding assumption, hypothesis, and scientific method. Prerequisite(s): 6 hours of philosophy.

PHIL 5183 - 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; 6 hours of social science; and written permission of instructor.

PHIL 5233 - Philosophy of Language

Philosophy of Language is a study of contemporary issues in the Philosophy of Language, 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.

PHIL 5323 - Philosophy of Religion

Philosophy of Religion is designed to expose the student to the classical and contemporary philosophical analyses of the claims of religion. It is a critical and reflective survey of the central beliefs and tenets of religion, and a metaphysical and epistemological examination of the nature of religious belief. No philosophy background is required for this course.

PHIL 5343 - Philosophy of Morality

Philosophy of Morality is a study of what philosophers have said about the meaning of the word "good" and its cognates in other Indo-European languages. Topics in Western moral philosophy to be covered will include Ancient Virtue Ethics, Kantianism, Utilitarianism, Moorean Intuitionism, and Moral Skepticism. No philosophy background is required for this course.

PHIL 5363 - Philosophy of History

Philosophy of History is a study of some major philosophical theories about the structure and patterns exhibited by human history. Topics to be covered will include the Christian and Whig historical worldviews, Hegelianism, Marxism, Post-Modernism, and Skepticism about historical prediction. No philosophy background is required for this course.

PHIL 5433 - On Human Nature

On Human Nature is an advanced survey of philosophical, theological, and scientific accounts of human nature, from ancient Greece to the present day.

PHIL 5503 - Symbolic Logic

Symbolic Logic is an advanced study of propositional logic. After a review of conditional and indirect proof, students will be introduced to the method of truth trees and then two extensions of propositional logic known as monadic predicate logic and first-order predicate logic. Both truth trees and proofs are expanded upon in order to deal with the new symbolism of these predicate logics. This course emphasizes the completion of problem sets and student participation during class.

PHIL 5900 - Practicum In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 5920 - Workshop in Philosophy

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.

PHIL 5930 - Individual Study In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 5940 - Field Study In Humanities

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

PHIL 5950 - Internship In Philosophy

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

PHIL 5960 - Institute In Philosophy

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHIL 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

PHIL 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PHYSICS (PHY)

Department of Engineering and Physics

PHY 5013 - Mathematical Physics II

This course discusses the mathematical 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 transformers, partial differential equations, Green's functions, tensor analysis and group theory. Prerequisite(s): PHY 3883.

PHY 5033 - 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 quark model along with the families of elementary particles and their interactions will be introduced. Prerequisite(s): PHY 3103 and PHY 3883.

PHY 5043 - Solid State Physics

The purpose of this course is to acquaint the students with the fundamental physics of solids. The emphasis will be on crystal lattices, elastic scattering of waves, bonding, atomic vibrations, electron states, dielectric and optical properties, and semiconductors. Prerequisite(s): PHY 3103 and 9 additional hours upper-division level physics.

PHY 5063 - Analytical Mechanics

A vector analytical approach to particle and rigid-body dynamics is presented, including a brief introduction to the Lagrangian and Hamiltonian formulations of mechanics, and special relativity. Prerequisite(s): PHY 3883 with a minimum grade of "C".

PHY 5071 - Nuclear Radiation Laboratory

This laboratory course provides a thorough introduction to equipment and techniques of nuclear radiation detection and measurement. The experimental properties of the types of nuclear radiation, their origin, characteristics, detection and interaction with matter are emphasized. Prerequisite(s): PHY 3103 or concurrent enrollment.

PHY 5103 - Classical Mechanics

Lagrangian and Hamiltonian methods will be introduced and applied, as appropriate, to a variety of mechanical systems. Topics will include vibration theory, elasticity, fluid mechanics, and acoustics. Prerequisite(s): PHY 5063.

PHY 5143 - Statistical Mechanics

The kinetic theory of gases, including transport phenomena, and an introduction to classical and quantum statistical mechanics are presented. Prerequisite(s): ENGR 5023 and PHY 3883.

PHY 5203 - Applied Electrodynamics

Electromagnetic theory is applied to the description of static and time-dependent electric and magnetic fields, electromagnetic radiation, waveguides, transmission lines, and related problems. Prerequisite(s): ENGR 5083 and PHY 5013.

PHY 5443 - Quantum Mechanics

An introduction to the theory of quantum mechanics and its applications is presented. Topics covered will include the historical development of quantum mechanics, the Schrodinger equation and its applications, the theory of operators, the theory of angular momentum, the hydrogen atom, and perturbation theory. Prerequisite(s): PHY 3103, MATH 3103.

PHY 5643 - Directed Study

This course is a directed study of a specialized aspect of industrial or applied physics.

PHY 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHY 5910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHY 5920 - Workshop in Physics

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.

PHY 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHY 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

PHY 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

PHY 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHY 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

PHY 5980 - Graduate Project

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHY 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

POLITICAL SCIENCE (POL) Department of Political Science

POL 5013 - Urban History of Policy/Administration

Urban History of Policy/Admin is the study of contemporary political, social, and economical institutions and environment of urban areas, placed in a historical context.

Graduate Course Descriptions

POL 5023 - Scope Of The Discipline

An analysis of the various fields of political science, as well as an assessment of the contributions of other disciplines and scientific approaches to the study of politics.

POL 5033 - Research Methods

Research Methods introduces students to research useful for academic and professional investigations in political science and public administration. Students explore the philosophical worldviews of research, as well as the designs and methods of the three main types of research — quantitative, qualitative, and mixed methods.

POL 5043 - Municipal Management

Municipal Management provides an overview of the administrative and political environments of municipal governments in the United States with emphasis on Oklahoma municipalities.

POL 5053 - Public Administration Dynamics

Public Administration Dynamics introduces the study of public administration by exploring the role of bureaucracy in a democracy, applying management and organizational theory to the public setting, and illustrating the work life of a public administrator through various simulations and case studies. Particular focus will be on the concepts and problems of public administration with emphasis on the development of organizations, management of human resources, ethical practice, emerging professionalism, and oversight of governmental budgeting and finance. Formerly POL 5293.

POL 5063 - Public Strategic Management

Public Strategic Management examines the roles of nonprofit and public organizations in mobilizing resources to accomplish social and political goals.

POL 5073 - Animals in Public Policy and Law

Animals in Public Policy and Law uses critical animal perspectives to explore the complexity of the evolving relationships between animals and humans.

POL 5083 - Law and Society

Law and Society examines the structure and function of law and the judicial system in the United States in the context of their interactions with society. Topics include the role of law and judicial system in resolving disputes, exerting social control, establishing norms, regulating behavior, and promoting equality.

POL 5093 - Constitutional Law - Government Powers

Constitutional Law - Government Powers explores how the Supreme Court of the United States has interpreted the U.S. Constitution with regard to express, implied, and inherent government powers. The following topics are examined: judicial, executive, and legislative authority, the separation of powers, police powers of the state, federalism, interstate commerce, and the taking of private property for public use.

POL 5113 - Advanced Contemporary Problems

The study of current happenings in the student's area of graduate specialization with emphasis on assessing the relevance of theoretical principles to actual events.

POL 5123 - Budgeting for Cities & States

Budgeting for Cities & States examines revenue sources and resource allocation processes as applied to state and local governments.

POL 5133 - Problems-State & Urban Government

A study of the problems existing in relationships between state and local governmental units.

POL 5143 - Problems-International Affairs

Case studies in the resolution of geographic and functional problems in international affairs, tailored to students' specific international interests.

POL 5153 - American Politics

A survey of selected literature from the field of American politics. Subjects covered will come from among the following: Presidency, Congress, judiciary, political parties, interest groups, electoral behavior, media in politics, and public opinion.

POL 5163 - Intergovernmental Relations

An exploration of the relationships among the federal, state, metropolitan, and local units of government. Current trends, issues, administrative structures and procedures are emphasized.

POL 5173 - Urban Planning and Politics

Urban Planning and Politics is a comprehensive survey of American law of land use planning and controls, with emphasis on the law of nuisance; restrictive covenants, planning, zoning and subdivision controls; and recent innovations in land use controls.

POL 5183 - Urban Government and Policy

Urban Government and Policy examines the administrative and political environment of municipal governments in the U.S. with emphasis on Oklahoma governments.

POL 5193 - Public Finance Budgeting

Public Finance and Budgeting is an analysis of revenue sources and expenditures including the planning, approval, and implementation of public budgets.

POL 5203 - Public Organizational Theory

Public Organizational Theory surveys and analyzes the major classical, modern, and contemporary theories of organizations, along with applications of those theories to governmental and nonprofit organizations, with special reference to the dynamic social and political subsystems in which they exist.

POL 5213 - Politics and Society

Politics and Society provides an overview of the major theories and approaches to the relationship between politics and society. In addition to surveying classical contributions to the study of political sociology and comparative politics, this class will focus on how specific social categories and identities like nationalism, ethnicity, religion, gender, race, and class help explain political mobilization and outcomes.

POL 5223 - Presidency & Executive Branch

Presidency & Executive Branch 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): POL 1113.

POL 5233 - Political Parties/Behavior

Structure and function of the American political party system with emphasis upon the role of parties in American politics, noting the political behavior patterns of American voters. Evaluation of recent political behavior research. Prerequisite(s): POL 1113.

POL 5243 - Media And Politics

Discussion of the role of the media in politics, including how the media covers American institutions, and the impact of the media on campaigns. Our campaign coverage will examine the role of television advertising, campaign coverage, and public opinion polls. This course also examines the political and social messages of several "entertainment" media, such as television and films, as well as the dynamics behind these messages.

Graduate Course Descriptions

POL 5253 - 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): POL 1113.

POL 5263 - Judicial Process

This course examines the organization, jurisdiction, and functions of both federal and state courts, as well as, explores theories of judicial behavior and judicial policy-making.

POL 5273 - International Politics Risk Analysis

An analysis of techniques useful in forecasting regime changes, nationalization, controls on profit repatriation, and other political risks faced by companies operating in foreign countries.

POL 5283 - Public Opinion

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): POL 1113.

POL 5323 - Constitution & Criminal Procedure

This course covers the constitutional boundaries, established by the Supreme Court, for gathering evidence at a crime scene, questioning witnesses/suspects, arresting suspects, and seizing evidence as well as the constitutional rights of the accused at trial.

POL 5333 - Constitution & Civil Liberties

This course is an analysis of the U.S. Constitution as interpreted by federal courts, emphasizing constitutional limitations on governmental actions, particularly with respect to civil liberties.

POL 5343 - Middle East Politics

Middle East Politics examines selected aspects of politics in the Middle East, with particular emphasis on current changes in Middle Eastern politics and world affairs. The objective of this course is to introduce students to the domestic politics and the external factors that have influenced Middle Eastern countries and their relations with the outside world. Topics of discussions may include religions, cultures, ideologies, colonialism, modernization and democratization, nationalism, ethnicity and social movements, foreign policymaking and the status of women in the modern Middle East.

POL 5353 - Ethics in the Public Service

Ethics in the Public Service is designed to give students a framework for understanding the unique ethical dilemmas that challenge leaders whose work will likely impact the public at large.

POL 5363 - Urban Sustainability

Urban Sustainability is the study of the relationship between local political processes and the pursuit of sustainable development in Oklahoma as well as worldwide. This class focuses on the theoretical underpinnings of sustainability and sustainable development as applied in the urban context.

POL 5373 - Science and Technology Policy

Science and Technology Policy introduces students to the analysis of the interactions among science, technology, and policy through a multidisciplinary approach. This course prepares students to engage in effective policy analysis and ethical administrative decision making concerning the broader societal implications of science and technology.

POL 5383 - Fund of Emergency Management

Fundamentals of Emergency Management is an overview of the history and philosophy of the current emergency management systems. Concepts, issues, and programs associated with emergency management agencies are explored. Local, state, and federal government, as well as non-profit and private organizations', roles and responsibilities for preparing for, responding to, recovering from, and mitigating against natural and man-made disasters are discussed.

POL 5393 - Cultural Competency in Organizations

Cultural Competency in Organizations prepares public administrators to incorporate cultural competency into policy development and implementation in order to meet the core requirement of effective delivery of services to a comprehensive and inclusive public. The course focuses on the four components of cultural competency: (1) awareness of one's own cultural worldview; (2) attitudes toward cultural differences; (3) knowledge of different cultural practices and worldviews; and, (4) cross-cultural skills.

POL 5403 - 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.

POL 5413 - Public Policy Analysis

Public Policy Analysis is designed to equip students to become independently capable policy analysts. The methods and procedures of policy analysis are learned and practiced, and examples of analysis of policies on the local, state, and national levels are studied.

POL 5423 - Public Executive Leadership

Public Executive Leadership examines executive leadership theories, principles and practices applicable to local, state, tribal, and federal governments, and to nonprofit organizations.

POL 5433 - Diversity and Social Justice

Diversity and Social Justice explores the nuances and contextualizes understandings of racism in the 21st century through the lens of America's urban areas. The focus is on the role of city governments, urban political processes, and techniques of protest and representation.

POL 5443 - Environmental Politics

Environmental Politics will examine the politics of the environment by looking at the actions or inactions of the government in the areas of resource scarcity, environmental health and safety, natural esthetics, and economic groups. This class will also look at environmental politics as just one of many social movements in the United States. As such, this class will examine how interest groups supporting the environmental movement have developed in recent decades and how they seek to protect their interests.

POL 5453 - Cases in Public Administration

Cases in Public Administration is the analysis of contemporary public administration issues and cases related to citizen participation, decision making, ethics, public health, national defense, bureaucracy, organizational behavior, budgeting and finance, planning, policy analysis, leadership, privatization, management, and human resources.

Graduate Course Descriptions

POL 5463 - Managing Nonprofit Organizations

Managing Nonprofit Organizations examines the unique challenges and opportunities nonprofits encounter. The course encompasses governmental and business perspectives on the purpose, scope, history, legality, funding and economic impact of nonprofit organizations.

POL 5483 - Administrative Law

Administrative Law acquaints students with the constitutional concepts and case law relevant for federal employment and service delivery, the related activities of local, state, and tribal governments, and issues pertaining to private firms doing business with governmental and/or nonprofit organizations.

POL 5503 - Immigration Policy

Immigration Policy focuses on the political development of immigration policy at the local, state, national, and international levels. Historical and contemporary issues in policy design and implementation are explored within the context of how a territorially-bounded population and its government define themselves as a nation. This course introduces basic theories and essential terms used in immigration studies. Issues such as asylum seekers, border militarization, citizenship status, drug smuggling, human trafficking, international terrorism, refugees, and other areas related to immigration law and policy are analyzed. Prerequisite(s): ENG 1113 and ENG 1213.

POL 5513 - Public Program Evaluation

Public Program Evaluation enhances students' skills in quantitative and qualitative program evaluation. This course examines the nature, history, and techniques of program evaluation as well as the dissemination of information. The scientific method is applied to the program-solving process through such techniques as quasi-experimental research design, data collection, analysis, and report writing.

POL 5523 - Urban Housing Policy

A study of the various factors which affect national and local housing issues, with discussion of housing problems in the urban environment.

POL 5533 - Dispute Resolution/Negotiation

Dispute Resolution/Negotiation studies contemporary methods of resolving development dispute through negotiation, bargaining, and mediation. Techniques and skills applicable to solving controversies over planning and implementation of public and private development projects are emphasized.

POL 5553 - Espionage and Intelligence

Espionage and Intelligence 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.

POL 5563 - Sustainable Economic Development

Sustainable Economic Development examines the conditions of sustainability within the context of the economic and governance theories that promote processes of sustainable development.

POL 5573 - Islam and Politics

Islam and Politics examines thematic areas concerning the general relationship between Islam and politics in modern world affairs. It explores diversities within and among Islamic societies and highlights differences between Islamic movements and trends affiliated with both mainstream political Islam and Islamic radicalism. The course covers other, often controversial, issues concerning debates on Islam and democracy, the persistence of authoritarianism in Arab and Muslim societies and controversies surrounding the relationships between Islamic and Western values and societies. The lectures and discussion will also address a wide range of case-studies and conflicts that have often resulted in regional and international crises, including, but not limited to, the Palestinian-Israeli conflict, the Cyprus dispute, the war in Bosnia and the Indian-Pakistani battles over Kashmir.

POL 5583 - Comparative Public Administration

Comparative Public Administration will examine the application of comparative methodologies to the study of administrative institutions, processes, and behaviors across organizational, national, and cultural boundaries, as well as enhance student understanding of public management in a global context.

POL 5593 - Gender in Public Administration

Gender in Public Administration explores the importance of gender in public administration, the effects of gender in the public sphere, and the impact of implicit and explicit views about gender on the policy process. The course also examines issues of status, leadership, representation, and legitimacy, as well as intersecting identities of race/ethnicity, ability, sexual orientation, and age.

POL 5603 - Theories-International Relations

An examination of the major theories of international relations, focusing on their contributions to framing the analysis of international interactions. The works of seminal authors will be studied for their insights into such central concepts of international political analysis as: sovereignty, balance of power, and national interest.

POL 5613 - World Politics

An analysis of the political interactions among nation-states, multinational corporations, and international organizations; and the pattern of relationships that result. Focuses particularly on war-peace issues and the politics of international economic and social relations. Prerequisite(s): POL 2303.

POL 5623 - American Foreign Policy

A study of the major themes and issues which have, in recent years, informed the practice of American foreign policy. Among the topics covered are: the inter-branch struggle in foreign policy making, trade and national security policy, and challenges confronting American foreign policy in specific geographic and functional areas.

POL 5633 - International Law

A study of the legal aspects of international relations, and of the generative role of international law in informing actors of the nature and limits of authoritative practices within the international community.

POL 5643 - International Security Studies

A study of analytical frameworks which seek to explain the nature of international conflict. Consideration will also be given to such practical threats to global peace and stability as weapons proliferation, regional military balances, strategic competition and threat psychology.

Graduate Course Descriptions

POL 5653 - International Organization

A study of the development and evolution of international organizations, and their role in international politics. Specific attention will be given to the United Nations system of international organizations, and other international entities such as the European Community, the Organization of American States, the World Bank, and NATO.

POL 5663 - Politics And The World Economy

An analysis of the political dimension of economic relationships among international actors (including nation-states, multinational corporation, and international organizations). Emphasizes the politics of foreign investment, trade, and international finance from the differing perspectives of industrialized and developing countries.

POL 5693 - Contemporary International Issues

An in-depth analysis of selected issues confronting the international political, security, and economic environment. Coverage of issues will vary depending on the interests of the instructor and on recent international developments. May be repeated for credit with permission of the student's advisor.

POL 5703 - Theories-Comparative Politics

An overview of the major theories and approaches to the cross-national study of politics. The common and dissimilar characteristics of democracies will be the main focus of study, though other important issues such as nationalism, ethnicity, and economic development will also receive attention.

POL 5723 - Political Systems Of Asia

This course examines the political systems of such north East Asian states as the People's Republic of China, Japan, and the two Koreas. Important themes include the origins of their political systems, their operations, their political cultures, and the political-social-economic interactions which inform our understandings of these political systems.

POL 5733 - Latin American Politics

This course will study the political systems of such major Latin American countries as Mexico, Brazil, Argentina, Chile, and Columbia. It will also examine such important Latin American political themes as: dependent economic development, political stability and change, and bureaucratic authoritarianism.

POL 5743 - European Politics

A study of the nature of European political processes, and of issues confronting European politics. Among the topics covered are: the European "definition" of democracy, the major actors and influences within European politics, and the challenges of European integration.

POL 5763 - Politics Of Japan

This course will examine the politics and government of Japan, incorporating a historical and cultural perspective. The main objective is to communicate a clear understanding of the Japanese political system and its decision-making processes.

POL 5783 - Health Policy & Administration

Health Policy & Administration provides an overview of the U.S. health care system, its components, and the policy challenges created by the organization of the system as well as important issues that cut across institutions. The course introduces the material covered in four substantive areas that form the analytic basis for many of the issues in Health Policy. The areas are: (1) economics and financing, (2) need and demand, (3) politics/ethics/law, and (4) quality/effectiveness. No disciplinary background is assumed, nor is any special familiarity with the field of health care required.

POL 5793 - Managing Public Sector Crises

Managing Public Sector Crises is designed to provide future and current public sector and nonprofit leaders with the information and skills needed to engage in effective crisis management planning (CMP), implementation, communication, and evaluation.

POL 5803 - Public Sector Human Resources

Public Sector Human Resources explores the history, philosophies, techniques, problems and processes of human resource management in governmental and nonprofit organizations. Specific topics include civil service reform, recruitment and training in the public sector, and public sector Equal Employment Opportunity (EEO) and labor problems.

POL 5813 - Political Philosophy

A focused examination of one of the major themes of political philosophy such as freedom, justice, democracy, or political economy, which applies a number of analytical methods to the selected them.

POL 5823 - Religion And Politics

This course examines the relationship between religion and politics in the United States, and in selected other countries, by focusing on the participation of religious organizations in the political process and the influence of religion upon leaders of governments and political movements.

POL 5833 - Survey Of American Political Thought

A survey of main currents in American political thought from puritanism to the present. Prerequisite(s): POL 1113.

POL 5843 - Ancient & Medieval Political Thought

The development of political theories from Plato to Rousseau. Prerequisite(s): POL 1113.

POL 5853 - Modern Political Thought

An analysis of the development of political philosophy from John Locke to the present, including fascism, communism, and other systems of political thought. Prerequisite(s): POL 1113.

POL 5881 - Populations at Risk

Populations at Risk investigates marginalized groups that are at risk for increased injury, death, and property loss during disasters and emergencies. The course analyzes policies, programs, and recourses for risk reduction.

POL 5893 - State Government Administration and Policy

State Government Administration and Policy is the study of the administrative institutions, policymaking processes, and political environments of state government, emphasizing both theory and practice.

POL 5900 - Practicum In Political Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5920 - 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.

POL 5930 - Individual Study In Government

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

POL 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

POL 5960 - Institute In Political Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

POL 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

POL 5983 - Capstone Paper

This course meets the writing requirement that is part of the department's Master's program. The topic of the Capstone Paper is chosen in consultation with a faculty advisor and should reflect an important issue within the discipline.

POL 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PROFESSIONAL SCIENCE MASTERS (PSM) Center for Research and Education in Interdisciplinary Computation

PSM 5001 - Math Found of Computation

This course provides the foundation for further study in scientific computing including the fundamentals of computer programming, linear algebra, differential equations, and infinite series. This course is taught as a hybrid course where 50% of the course consists of online content. Prerequisite(s): Permission of the PSM Director.

PSM 5013 - Computational Sci for Prof I

This course provides a foundation for the use of computational modeling and simulation to solve problems in science, engineering, and mathematics with a focus on professional communication of results. The fundamentals of modeling and consideration of system dynamics, error propagation, differential equations, data analysis, stochastic processes, and other selected topics will be covered. Independent student projects that include written and oral reports are integral components of this course. Prerequisite(s): PSM 5001

PSM 5113 - Computational Sci for Prof II

This course is a continuation of PSM 5013 and focuses on advanced computational modeling and simulation to solve problems in science, engineering, and mathematics with a focus on professional communication of results. Topics including, but not limited to the following will be covered: diffusion, agent-based modeling, high performance computing, and matrix models. Independent student projects that include written and oral reports are integral components of this course. Student projects are expected to serve as a launching point for the PSM Project sequence. Prerequisite(s): PSM 5013

PSM 5203 - Introduction to Data Science

This course provides an introduction to the application of computational techniques to parse, analyze, and visualize data for predictive purposes. This course covers techniques such as data visualization, basic statistics, gradient descent methods, k-nearest neighbors, regression, and other topics.

PSM 5681 - Integrative Project I

In this course students will develop business-related projects that serve a present computational need of a client. These projects should tie together the computational, business, and project management elements of the PSM program. This class will culminate in a report and presentation that detail the project and its deliverables. Each student in the class will take the lead in one project, but students are strongly encouraged to collaborate and interact with others: including the client, other PSM or MBA students, and faculty. Prerequisite(s): Permission of the PSM program director.

PSM 5781 - Integrative Project II

This course is a continuation of PSM 5681. In this course students will proceed with the implementation of the approved project plan developed in PSM 5681. Updates and communication with the project client and the course instructor are critical elements of this course. Students will document achievement of project milestones and the integration of computational science and management techniques used in the project. Students will effectively communicate interactions and collaboration with the client, other PSM or MBA students, or faculty. Prerequisite(s): PSM 5681

PSM 5881 - Integrative Project III

This course is the culmination of the Integrative Project sequence and a continuation of PSM 5781. In this course students will continue to implement the approved project plan developed in PSM 5681 and provide the final project deliverables to the client. Updates and communication with the project client and the course instructor are critical elements of this course. Student will document achievement of project milestones and the integration of computational science and management techniques used in the project. Students will effectively communicate interactions and collaboration with the client, other PSM or MBA students, or faculty. Prerequisite(s): PSM 5781

PSM 5900 - Practicum in Prof Sci Masters

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5910 - Seminar in Prof Sci Masters

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5920 - Workshop in Prof Sci Masters

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.

PSM 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5940 - Field Study in Prof Sci Master

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5950 - Internship in Prof Sci Masters

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5960 - Institute in Prof Sci Masters

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5970 - Study Tour in Prof Sci Masters

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

PSM 5980 - Graduate Project

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSM 5990 - Thesis in Prof Sci Masters

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSYCHOLOGY (PSY) Department of Psychology

PSY 5013 - Biosocial Psychology

Contemporary readings in cognitive social psychology, neuropsychology, evolutionary theory, and anthropology are used to examine the hypothesis that humans are unique in processing a "mental life" made possible by the evolution of a narrative brain designed to function in a social environment. Prerequisite(s): Written permission required.

PSY 5033 - Cultural And Gender Diversity

This course will address gender and cultural diversity issues as they relate to counseling clients from various cultural and ethnic groups. This course will be approached from a psychological perspective with emphasis placed on the psychosocial variables of various cultures. Prerequisite(s): Written permission required.

PSY 5051 - Professional Career Planning

The purpose of this course is to: (1) provide advisement regarding matriculation through the Master of Arts in psychology program, (2) assist students with the delineation of career goals by providing information concerning specialized job opportunities, and (3) prepare students for beginning work on the master thesis. Prerequisite(s): must be taken the first semester of graduate enrollment and written permission of instructor.

PSY 5143 - Advanced Developmental Psychology

This course provides an in-depth examination of human development from infancy through later adulthood with primary emphasis on psychological research, theory, and its application. Prerequisite(s): Written permission required.

PSY 5153 - Cognitive Assessment

This course provides an overview of the rationale and administration of different measures of cognitive ability. Emphasis is on the administration and diagnostic uses of both adult and child intelligence and achievement scales. The purpose of this course is to teach the basic skills needed to administer and interpret verbal and non-verbal measures of cognitive ability. Specific goals include competency in the following areas: establishing rapport, handling testing materials, timing tests, recording responses, scoring, interpretation of test results, report writing, and making recommendations. Prerequisite(s): Admission to Counseling or School Psychology programs. Enrollment open to Counseling or School Psychology majors only.

PSY 5183 - Psychology and Law

This course focuses on the applications of psychology to the administration of justice. It draws from the areas of social, cognitive, developmental, clinical, and biological psychology to critically evaluate issues such as eyewitness testimony, jury selection and decision making, and dealing with guilty offenders.

PSY 5193 - Experimental Design

This is a foundation course which stresses the complementary relationship between research design and statistical analysis. The course emphasizes computer applications in the areas of experimentation, psychometrics, and data analysis. Prerequisite(s): Written permission required.

PSY 5203 - Psychology of Religion

This course reviews current theory and research in a variety of topics within the scope of psychology of religion, including philosophical concepts, developmental issues, religious traditions, and empirical approaches. Several major world religions will be discussed in the context of understanding the theoretical orientation and customs associated with them.

PSY 5213 - Close Relationships

This course reviews current theory and research in a variety of topics within the scope of intimate relationships, including but not limited to attraction, communication, friendship, love, sexuality, the dissolution and loss of relationships, and maintaining and repairing relationships.

PSY 5233 - Psychopathology

The purpose of the course is the study of current diagnostic criteria for psychopathology and examination of theory regarding psychopathology and personality including biological, intrapsychic, phenomenological, behavioral, sociocultural and integrative perspectives.

PSY 5253 - Personality & Pathology Assessment

This is a survey course that includes examination of current methodologies for the assessment of personality functioning ranging from structured interview to objective and projective techniques. Prerequisite(s): PSY 5153.

PSY 5263 - Legal & Ethical Aspects Of Counseling

This course provides a study of the essential legal and ethical aspects of the counseling profession as presented in professional organization codes and current state and federal laws. Prerequisite(s): Written permission required.

PSY 5273 - Perception and Action

Perception and action are processes that turn the raw physical energies of the world into personal experiences. Students will use behavioral and physiological data (about referents for physical motion) from their readings, discussions, and simulations to contrast theories assuming perception and action are reducible to independent processes (vision, audition, olfaction, gustation, tactile/haptic, balance, etc.) with theories assuming perception and action are reciprocal processes operating across, versus within, sensory- cognitive-motor systems. The assumptions have implications for scientific explanations of relationships between available ambient energy and physical reality.

PSY 5283 - Crisis Prevention and Intervention in Schools

This course will provide students with an in-depth exploration of theories, concepts, and procedures related to crisis prevention and intervention in schools. This course will focus on system level aspects of crisis prevention and intervention, the consultant role of the school psychologist and other school personnel, and the impact of psychological trauma on individual students. Specific foundations to be included, but not limited to include (a) implementing effective prevention and intervention programs; (b) preventing school violence; (c) developing psychological first aid skills (d) promoting safe and effective schools (ed) preparing comprehensive school crisis management plans; and (f) responding to crises that may impact schools, students, staff, and families. Prerequisite(s): Part of a course sequence for the School Psychology program.

PSY 5333 - Psychopharmacology

This course is designed to provide knowledge about the physiological basis of drug effects on behavior. Emphasis will be given to drug treatments for psychological problems, drugs of abuse, and the psychophysiology of addiction. Prerequisite(s): Written permission.

Graduate Course Descriptions

PSY 5343 - Psychological Science

This course provides a foundation for the general experimental psychology student and examines science as a formalized epistemological system. The course also emphasizes the importance of understanding scientific reasoning for: (1) psychology as a science, and (2) the professional psychologist as a critical consumer of information. Prerequisite(s): Written permission from psychology chair required.

PSY 5383 - Multivariate Analysis w/SPSS

Multiple regression, multivariate analysis of variance and covariance, discriminant analysis, factor analysis, log linear analysis, cluster analysis (including quick cluster), and multidimensional scaling are seven multivariate analysis procedures that are examined in this course. A focus on when and why each technique is used, familiarization of SPSS computer output for each technique and the examination of published research articles containing the application of these techniques will be covered.

PSY 5473 - Individual Counseling

This course provides an overview of the theories, therapeutic approaches, and empirically supported treatments specific to working with individuals. Students will become familiar with the legal, ethical, and diversity issues applicable to the diagnosis and treatment of individuals. The course will employ instruction, role play and classroom demonstration. Prerequisite(s): Admitted to the program and written permission of instructor.

PSY 5483 - Group Counseling

This course provides an overview of the theories, therapeutic approaches, and empirically supported treatments specific to working with groups. Students will become familiar with the legal, ethical, and diversity issues applicable to the diagnosis and treatment of groups. The course will employ instruction, role play and classroom demonstration. Prerequisite(s): PSY 5473 and written permission of instructor.

PSY 5493 - Competency Based Counseling

This course provides experience which will prepare counseling students for their first semester of practicum placement. The student will perform activities consistent with the demands of an off-campus practicum experience under the direct supervision of the UCO counseling faculty. Students will be provided with training experiences that require the integration of their counseling and assessment abilities with sensitivity to diversity, legal, and ethical issues. Emphasis will be placed on empirically supported treatments and therapeutic variables. This course should be taken immediately prior to practicum. Prerequisite(s): PSY 5473 with a minimum grade of "B" and written permission required.

PSY 5523 - Child & Adolescent Counseling

This course provides an overview of the theories, therapeutic approaches, and empirically supported treatments specific to working with children and adolescents. Students will become proficient in the legal, ethical, and diversity issues applicable to the diagnosis and treatment of children and adolescents through didactic instruction, role play and classroom demonstration. Prerequisite(s): PSY 5473 with a minimum grade of "B" and written permission.

PSY 5533 - Couples and Family Counseling

This course provides an overview of the theories, therapeutic approaches, and empirically supported treatments specific to working with couples and families. Students will become familiar with the legal, ethical, and diversity issues applicable to the diagnosis and treatment of couples and families. The course will employ didactic instruction, role play and classroom demonstration. Prerequisite(s): Written permission.

PSY 5543 - Career Counseling

The course provides an introduction to the major career development and trait theories, career assessment techniques, and empirically based career counseling techniques. The course emphasizes the integration of theories, techniques, and counseling applications. In addition to the classroom, the on site counseling laboratory provides the opportunity for applied practice. Prerequisite(s): PSY 5473 with a minimum grade of "B".

PSY 5563 - Advanced Social Psychology

This course provides an in-depth study of the interaction of humans with their social environment with special emphasis on classic and current themes and methods of social research. Prerequisite(s): Written permission of instructor.

PSY 5623 - Theories of Personality

This 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.

PSY 5633 - Advanced Cognition

This course provides a comprehensive study of theories of learning and memory including a historical review and a survey of contemporary cognitive psychology.

PSY 5643 - Empirical Basis of Therapy

This course is designed to prepare the student for clinical work in counseling. The course will promote knowledge and understanding of those counseling variables and counseling techniques that are supported by empirical research. Prerequisite(s): PSY 5473 and written permission.

PSY 5653 - Forensic Psychology

This course reviews the contribution of psychology to the explanation of criminal conduct and the treatment and rehabilitation of offenders, covering basic concepts of criminal justice and the study of crime while examining the nature of offending from sociological, psychiatric, and psychological perspectives. It also addresses the impact of crime from the standpoint of victims as well as responses to victims of crime.

PSY 5683 - Advanced Counseling

This course provides an in-depth view of the theories, therapeutic approaches, and empirically supported treatments specific to working with various individual client populations. Students will become familiar with the legal, ethical, and diversity issues applicable to the diagnosis and treatment of various types of individual clients and diagnoses. The course will employ didactic instruction, role play and classroom demonstration. Prerequisite(s): PSY 5473 with a minimum grade of "B" and written permission of instructor.

Graduate Course Descriptions

PSY 5722 - Introduction To School Psychological Services

This is a course designed to aid school psychometrist and school psychologists in exploring their role and functions. Ethics for their discipline, legal implications, current research on assessment of children and adults, school placement, classroom management, referral sources, therapeutic intervention strategies, consultation, and professional affiliation will also be covered. Prerequisite(s): Written permission from psychology chair required.

PSY 5753 - Advanced SPSS

This course emphasizes coding data for data files, writing SPSS control files to read the data file, and completing SPSS procedures. Procedures covered range from basic data transformations to complex multivariate procedures. Prerequisite(s): PSY 3813; PSY 4383 preferred and written permission from psychology chair required.

PSY 5773 - Personnel and Program Management

This course is part of the Board Certified Behavior Analyst (BCBA) course sequence approved by the Behavior Analyst Certification Board (BACB). The course will examine the application of behavior analysis when providing supervision and managing personnel including Organizational Behavior Management (OBM). A problem-solving model will be used as a framework for establishing staff expectations, pinpointing skill deficits, training, analyzing performance problems, and evaluating outcomes. Prerequisite(s): PSY 5823.

PSY 5783 - Behavioral Neuroscience

This advanced course is about current research on the neuroanatomy, physiology, and chemistry of the brain, including neurotransmitters, receptors, neural pathways, and genetics. Studied methods include electrical and magnetic stimulation of the brain, neuroimaging, and single-cell neurophysiology. Topics include brain-based theories of sensation, perception, cognition, learning, sleep and dreams, psychopathology, and drugs and behavior. Prerequisite(s): Admission to an M.A. in Psychology program. Enrollment open to graduate psychology majors only.

PSY 5813 - Diagnostic Testing Techniques

This course is a survey of diagnostic testing techniques which deals with sensory motor skills, language development, and social and emotional development. Emphasis is placed on the rationale and functions of such instruments that help specialists in reading, counseling, and psychometry to evaluate those aspects of behavior not currently assessed by traditional testing procedures. Prerequisite(s): PSY 5153.

PSY 5823 - ABA I: Foundations in Behavior Analysis

This is the foundational course in Applied Behavior Analysis. The course is designed to cover the basic elements in 10 of the 11 core areas of applied behavior analysis. The course focuses on the ethics and basic characteristics, processes, concepts, terminology, and learning principles upon which ABA is based. Assessing behavior and designing intervention outcomes and strategies using principles of experimental evaluation including displaying and interpreting behavioral data is emphasized. ABA is compared to other explanations of behavior and students are guided in the creation and application of individualized behavioral programs for teaching functional skills.

PSY 5833 - ABA II: Application of Techniques in Applied Behavior

Analysis

ABA II: Application of Techniques in Applied Behavior Analysis is the second of five courses in the BCBA approved sequence. The course takes basic ethical foundations and principles of ABA articulated in eight of the Core Areas to a higher level of understanding and application. Students are expected to apply knowledge and skill from both the introductory course and ABA II in the development of extensive training modules for fellow professionals using the principles of ABA. Training modules including treatment for all age levels (In Oklahoma that encompasses Sooner Start to Waivered Services Independent Adult Living). Training design includes ongoing supervision of comprehensive and intense programs for functional behavior. This course also examines the effects of the use of psychotropic medications for behavior control and dual diagnoses (Ex. Mental Illness and a developmental disability). Prerequisite(s): PSY 5823 and graduate standing.

PSY 5843 - Autism II: Autism/PDD-NOS Adv

This course is an intensive examination of the autistic spectrum and the ethical use of ABA principles in the treatment of disorders within the spectrum. Students will learn to administer a broad range of diagnostic instruments with emphasis on those used in early intervention such as ABLLS, AEPS, Social Skills Checklist, PASS skills, and the Brigance. Students learn to develop IFSP goal, IEP goals, and IP goals [for individuals on waived services] using data secured through the evaluation process. Finally, students develop and implement intensive programs covering all core skills areas for individuals with autism using the methods designed with the foundations of ABA (verbal behavior, natural environment teaching, discrete trial teaching, and others). Prerequisite(s): PSY 5823 and PSY 5833 and graduate standing.

PSY 5853 - ABA III: Topics in Applied Behavioral Analysis

This course compares the ethics of ABA versus Behavior Modification and other ethical and legal considerations of ABA in a practicum setting. The course engages aspects of 8 of the 11 Core Areas of ABA including the study of organic syndromes and brain injury. The course takes concepts introduced and studied in ABA I and ABA II and raises the intensity of study to a more intense level, requiring student to develop extensive training modules for fellow professionals. Training modules include all age levels of treatment from early childhood services to Waivered Services Independent Adult Living and include ongoing supervision of comprehensive and intense programs for functional behavior. This course also examines the effects of psychotropic medications for behavior control and the factors to consider in dual diagnoses. Prerequisite(s): PSY 5823, PSY 5833 and graduate standing.

PSY 5863 - ABA IV: Single Subject Design

This course is the culminating application level course in the 5 course training sequence covering all 11 BCBA Core Areas. Students are responsible for demonstrating to a board of examiners the student's understanding and skills in the field of ABA through a multiple baseline study. Additionally, the course requires students to demonstrate to the instructor the process of diagnosis, intervention planning, and the broad array of intervention techniques required in the application of ABA principles. Prerequisite(s): PSY 5823, PSY 5833, PSY 5853 and graduate standing.

Graduate Course Descriptions

PSY 5873 - Ethical Conduct & Principles of ABA

Ethical Conduct and Principles of Applied Behavior Analysis (ABA) will focus on the ethical standards and guidelines for responsible conduct of behavior analysts. Students will be expected to explain and behave in accordance with the philosophical assumptions of behavior analysis by defining and demonstrating the use of terms such as response class, respondent conditioning, motivating operations, etc. Utilizing case studies, specific to applied behavior analysis, students will analyze and synthesize methods to identify problem behaviors and how to assess them, fundamental elements of behavior change, behavior change systems, interventions and change considerations, and ethical methods to implement change as required by the national Behavior Analysis Certification Board. In addition students will be expected to demonstrate effective and ethical management and supervision skills through their enrollment in an ABA internship. Prerequisite(s): PSY 5823 and PSY 5833.

PSY 5883 - School Based Psycho-Educational Intervention

School psychology students will learn advanced intervention design with an emphasis on behavior analytic approaches to individualized, school based intervention. Prerequisite(s): Written permission of instructor.

PSY 5893 - Consultation in School Psychology

The course focuses on developing appropriate cognitive and academic goals for students with different abilities, disabilities, individual needs. An emphasis is placed on implementing interventions through consultation and collaboration across a range of systems including school, home, and community. Prerequisite(s): Written permission of instructor.

PSY 5900 - Practicum In Psychology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): PSY 5483, 5813, or 5853 and written permission of instructor.

PSY 5910 - Seminar / Special Topics

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.

PSY 5920 - Workshop in Psychology

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.

PSY 5930 - Individual Study In Psychology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 5940 - Field Study In Psychology

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

PSY 5950 - Internship In Psychology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

PSY 5960 - Institute In Psychology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PSY 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

PSY 5980 - Graduate Project

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

PSY 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PROFESSIONAL TEACHER EDUCATION (PTE) Department of Educational Services, Foundations & Research

PTE 5900 - Practicum In Teacher Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 5920 - 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.

PTE 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

PTE 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

PTE 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PTE 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

PTE 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

READING (READ)

Donna Nigh Department of Advanced Professional & Special Services

READ 5023 - Developmental/Correction Classroom Reading Experience

This course provides classroom experience for teachers meeting the needs of readers in developmental/corrective groups. Special attention will be given to the task of identifying, within the classroom, reading levels/problems.

Graduate Course Descriptions

READ 5613 - Secondary/Adult Disabled Reader

This course is designed for the teacher desiring experience in testing and teaching the disabled secondary/adult learner. The course will be conducted for two hours, plus an hour arranged. The first two hours will be devoted to the clinical aspects of the course. Each clinical student will be assigned a disabled reader in a practicum for the purpose of remedial assistance. One hour will be devoted to consultations between the supervising professor and the class members. The main focus of concern is threefold: 1) explanation of diagnostic administration and interpretation 2) outlining measures of implementation for a prescriptive program and 3) understanding the psychological, social and intellectual needs of the secondary/adult disabled reader.

READ 5623 - Foundations & Survey Reading

An introductory course giving an overview of current practices in teaching reading, remedial and developmental reading techniques and a review of recent research in reading.

READ 5663 - Theoretical Basis Of Reading

The theoretical basis of reading includes the cognitive impact on how one learns to read using the psychological, physiological and cognitive model.

READ 5712 - Organization & Supervision Of Reading Programs

Policies and techniques of planning, implementing and supervising of reading centers and programs in schools and school systems.

READ 5813 - Adolescent Literacy

Adolescent Literacy is a course emphasizing the study of curriculum, philosophy, research, and related instructional strategies, assessments, and materials applicable to the teaching of literacy with adolescent learners. Students will document their mastery of required competencies for certification through the successful completion of coaching a teacher of adolescents in the development of a Thematic/Inquiry Teaching Unit.

READ 5833 - 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. Graduate candidates will work closely with faculty to analyze and synthesize course components. Prerequisite(s): SPED 4102 or SPED 5123. Enrollment open to Special Education majors only.

READ 5843 - Diagnosis and Correction Of Reading Disabilities with Tier II Intervention

Diagnosis and Correction of Reading Disabilities with Tier II Interventions will address the principles and procedures for diagnosing and correcting reading disabilities. Under the supervision of a reading professor, students will gain experience assessing reading skills using the assessments presented in the class. Students will also learn Tier II intervention strategies that fit within the Response to Intervention (RTI) Reading Model. Students will complete a diagnostic case study and a teacher work sample. Prerequisite(s): READ 5623 or concurrent enrollment.

READ 5853L - Clinical Practice In Reading Lab

Lab for READ 5853. Summer sessions only.

READ 5854 - Clinical Practices In Reading

A practicum in the reading clinic with enrollees working with disabled readers. Prerequisite(s): READ 5863 or READ 5443.

READ 5863 - Reading Assessment & Tier III Interventions

Reading assessments along with instructional reading strategies for Tier III in the Response to Intervention Three-Tier Reading Model will be implemented in this course. This course will be part of sequence in which the course READ 5843 will precede this course and READ 5854 will follow. The focus for the reading candidate is to accurately identify children with marked reading difficulties who have not responded to Tier II efforts. In Tier III the reading candidate will learn to diagnose reading disabilities and specifically design and customize reading instruction gleaned from the diagnostic data. Prerequisite(s): READ 5843. Enrollment open to Reading majors only.

READ 5900 - Practicum In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 5920 - Workshop In Education

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.

READ 5930 - Individual Study In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 5940 - Field Study In Reading

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

READ 5950 - Internship In Reading

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

READ 5960 - Institute In Reading

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

READ 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

READ 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

RECREATION (REC)

Department of Kinesiology and Health Studies

REC 5362 - Therapeutic Recreation

History and principles of therapeutic recreation in the United States. The organization and management of programs serving the various exceptionalities and age groups. Current opportunities for employment and required training.

REC 5602 - Community Recreation

Investigation into the structure of community recreation systems and programs. Study of needs, leadership, facilities and personnel involved.

Graduate Course Descriptions

REC 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

REC 5930 - Individual Study In Recreation

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

REC 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

REC 5950 - Internship In Recreation

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

SUBSTANCE ABUSE STUDIES (SAS) Department of Sociology, Gerontology & Substance Abuse Studies

SAS 5113 - Foundations of Addiction

Foundations of Addiction examines the historical, current, and emerging theories of addiction. The 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 principal therapy and treatment approaches to the disease. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5223 - Advanced Individual Counsel

Advanced Individual Counseling provides an in-depth review of counseling theory and current practice. The student will be familiar with psychoanalytic, Gestalt, Reality, cognitive behavioral, and Rogerian Therapy. Change Theory and 12-step facilitation will be applied. Theory is applied to specific elements of substance abuse treatment for the individual, role-played therapy. Mock sessions will be videoed for review and critique. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5243 - Group Dynamics in Substance Abuse Counseling

Group Dynamics in Substance Abuse Counseling 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 practice application exercises.

SAS 5273 - Substance Abuse and the Family

This course is designed to provide the student with an overview of the dynamics of functional family systems. The course provides insight into the effects of chemical dependency on the family. The student is guided in exploring and identifying many of the characteristics of healthy and unhealthy family systems, including physical, emotional, and sexual abuse issues. In addition, family structure, rules, roles, boundary systems, and cultural differences are addressed. Also included in this course are the basic techniques for prevention, intervention, family treatment, and recovery of the dependent person(s) and other family members. An in-depth research paper on an appropriate subject is prepared by each student. Prerequisite(s): 12 undergraduate semester hours in sociology and/or psychology.

SAS 5303 - Substance Abuse In Special Populations

This course addresses various SOCcultural factors influencing use and abuse of alcohol and other drugs in selected subgroups of American society and the effect of these influences on the treatment and recovery processes for chemical dependency. Special populations included are women, adolescents, elderly, racial/ethnic groups, gays and lesbians, high-risk professional groups, criminals, the mentally ill.

SAS 5313 - Advanced Family Counseling

Advanced Family Counseling examines all theoretical, ethical and legal aspects of the substance abuse counselor working in the primary medium of family counseling. The continuum of care for the whole family will be stressed including, education, prevention, early intervention, primary treatment, extended treatment and continuing care. Formal intervention, psychodynamics, and all facets of family counseling will be reviewed and practiced. Family systems theory will be applied in all aspects. Special emphasis will be placed on the dynamics of enabling and co-dependency. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5323 - Psychopharmacology & Neurobiology Addiction

Psychopharmacology and Neurobiology of Addiction examines the biology of alcohol and drug dependency. This will be addressed through the study of brain chemistry and related causal factors and patho-physiological processes, including brain function and behavioral correlated, molecular adaptation, and the genetics of addiction disorders. The role of psychopharmacology is viewed from a broad perspective focusing on alcohol and drug abuse, agents frequently used in the management and resolution of withdrawal symptoms, co-occurring mental health issues, and the ethical responsibilities of the clinician in the treatment of clients on psychotropic medications. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5333 - Advanced Counseling Skills/Substance Abuse

This course examines the helping relationship, including skills relevant to working with persons affected by chemical dependency. The course will include examination of qualities of a functional helping relationship and social-psychological issues involved in working with the chemically dependent person such as denial, treatment goals, and when/how to intervene in the dysfunctional personal/social world of this person. The course will include demonstration and role-playing of techniques of a functional helping relationship. Prerequisite(s): SOC 3023.

SAS 5343 - 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.

SAS 5353 - Advanced Group Dynamics

Advanced Group Dynamics provides in-depth study of the theory and practice of group therapy as it applies to individuals and families dealing with substance abuse and mental health issues. The course examines ethical and legal aspects as well as research pertaining to best practices and outcome measurement on group treatment in substance abuse and mental health. Students will have the opportunity to facilitate in role play of all aspects of group leadership. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5363 - Addiction & Interpersonal Relationships

Graduate Course Descriptions

Addiction & Interpersonal Relationships studies people with impaired mental health and relational skills that are determined primarily by their relationship to a substance abuser/addict or other dysfunctional primary relationships. In this course, the etiology, symptomology, and treatment of addiction and interpersonal relationships are presented.

SAS 5383 - Gambling Addiction

Gambling Addiction provides an in-depth look at compulsive gambling. Specific issues that will be examined are the scope of social and problem gambling; assessment, diagnosis, and treatment of pathological gamblers; harm reduction; the need for family involvement; and financial and legal issues.

SAS 5413 - Psychopathology & Co-Occurring Disorders

Psychopathology and Co-occurring Disorders offers a comprehensive view of an integrated treatment model for individuals with co-occurring mental health issues and alcohol and other drug dependency. Treatment is addressed with emphasis on the dynamics of empirically based best practice treatment strategies. The role of psychopharmacology and counseling in treating co-occurring disorders is explored, as are community resources. Relapse prevention, continuing care planning, ethical and legal issues for appropriate decision making and scope of practice will be addressed. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5433 - Advanced Human Development for Substance Abuse Professionals

Advanced Human Development for Substance Abuse Professionals provides an in-depth look at human development as it evolves from infancy through adulthood. Specific issues that will be examined are the emotional, mental, and physical effects of substance abuse. Counseling implications are investigated for each with integrated ethical and legal principles and standards in developmental counseling. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5443 - Family Systems Theory

Family Systems Theory is an approach to practice that views the family as both composed of subsystems and also as part of larger supra-systems. In this course, we will examine the foundations and principles of family systems theory, explore the role of relational space and socialization on individual development, and practice evidence-based structural family therapy interventions appropriate for working within the theoretical framework. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5513 - Advanced Family Counseling for Co-occurring Disorders

Advanced Family Counseling for Co-occurring Disorders provides an in-depth analysis of theory and current practice of family counseling for consumers with both substance abuse and mental health disorders. Family theory will be investigated as it applies to treatment of co-occurring disorders. Student teams will prepare case studies to be used and role played in mock family sessions to be videoed and critiqued by the class and instructor. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5523 - Cultural Sensitivity for Addiction Treatment

Applied Cultural Sensitivity for Addiction Treatment addresses individual differences in culture and ethnicity as key considerations in the therapeutic counseling of alcohol and drug dependency. Implications for intervention and treatment are addressed for aging adults, people with physical disabilities, Gay, Lesbian, Bisexual and Transsexual minorities, and people from a variety of cultural and ethnic backgrounds, while applying ethical principles to clinical situations. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5613 - Research in Substance Abuse Studies

Research in Substance Abuse Studies provides an in-depth view of clinical research processes and functions that encompass an array of clinically relevant practices. These include scientific research, review of research literature, and their application to treatment innovations; program evaluation procedures and outcomes; and the understanding of the application of research design and methodology. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5633 - Trauma Counseling

Trauma Counseling is an extensive review of individual counseling and therapeutic processes involving the treatment of abuse and trauma. Topics include psychoanalytic, behavioral, existential, and humanistic perspectives, in addition to cognitive behavioral approaches. Select theorists are highlighted based upon relevance and application to the field of alcohol and drug dependency. Prerequisite(s): Enrollment open to Substance Abuse Studies majors only.

SAS 5893 - Capstone in SAS

Capstone in Substance Abuse Studies is designed to be the culminating experience for all Substance Abuse Studies Master's students. It will summarize all the work covered in the substance abuse program and looks at directions for the future in the substance abuse field. Prerequisite(s): SAS 5613 or GERO 5823. Enrollment open to Substance Abuse Studies majors only.

SAS 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAS 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary from within the department's field of study.

SAS 5920 - 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.

SAS 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for credit up to four hours.

SAS 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

SAS 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in the professional field of an advanced or graduate student.

SAS 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

SAS 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SAS 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SAFETY (SFTY)

Department of Adult Education & Safety Science

SFTY 5013 - Alcohol And Drug Education

This 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 5083 - Advanced Safety Engineering

This course provides advanced instruction in the engineering and technological aspects of occupational safety practice. Elements of facilities design and planning, workplace exposures and protections, materials handling, and production operations are included.

SFTY 5123 - Industrial Hygiene

A study of the industrial environment which is devoted to the recognition, evaluation and control of those environmental factors which contribute to worker illness and injury. Prerequisite(s): SFTY 4213 or SFTY 5213 with a grade of "C" or better.

SFTY 5133 - Industrial Hygiene II

A continuation of Industrial Hygiene I, with particular emphasis on the field application of industrial hygiene instrumentation to assist the practitioner in the elimination or minimization of worker exposure to health hazards in the industrial environment. Prerequisite(s): SFTY 4123 or SFTY 5123.

SFTY 5153 - Personal Protective Equipment

A study of the selection, use, care and maintenance of various types of personal protective equipment commonly used in industry, and an overview of the anatomy and physiology of the body organs that each type of equipment is designed to protect. Prerequisite(s): SFTY 3433

SFTY 5163 - Environmental Management

A study of the characteristics of regulated hazardous wastes, the principles of hazardous waste management, and the OSHA regulations pertaining to the protection of workers in hazardous waste operations. Prerequisite(s): SFTY 2503 with a grade of "C" or better.

SFTY 5173 - 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 5203 - Principles, History, & Philosophy Of Safety Education

This course reviews the philosophy of industrial safety in light of its historical context. In addition, system safety and quantitative risk management models will be studied.

SFTY 5213 - Chemical Hazards and Controls

A study of the major categories of hazardous chemicals, their chemical and physical properties, and their toxicological effects on the human body. Prerequisite(s): SFTY 2503 with a grad of "C" or better, and CHEM 1014 with a grade of "C" or better.

SFTY 5223 - Industrial Fire Systems

This course is designed to prepare the safety professional and other safety personnel for industry. Areas include fire detection systems, extinguishing systems and fire safety systems. Prerequisite(s): SFTY 4173 or SFTY 5173.

SFTY 5232 - Life Safety Code

Life safety codes are critically examined within the scope of pertinent standards and codes to assure safety from fire and its effects. All classifications of occupancies will be defined in the course. Prerequisite(s): SFTY 4173 or SFTY 5173.

SFTY 5243 - Industrial Noise Control

This course will provide an overview of the fundamentals of sound and sound measurements, audiogram interpretation, noise effects, noise legislation, effective hearing conservation. Prerequisite(s): SFTY 2503 with a grade of "C" or better.

SFTY 5253 - Electrical Safety

This course consists of 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): Graduate standing. Prerequisite(s): SFTY 3433.

SFTY 5303 - 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, instruction strategy, evaluation of instructional materials and equipment. Laboratory practices will include experience in programming. Prerequisite(s): SFTY 3203.

SFTY 5323 - Underground Storage Tank Management

This course will present information about the safety concerns associated with, and environmental hazards common to aboveground and underground petroleum storage tanks. The course will consist of lectures, guest speakers from regulatory and consulting arenas, and field trips. Particular attention will be paid to regulator requirements, environmental impacts, and remediation technologies for cleanup of spills emanating from leaking tanks. Prerequisite(s): SFTY 4163 or SFTY 5163.

SFTY 5333 - Storm Water Management

This course addresses the applicable laws, rules, and regulations that pertain to the control, management, identification, and analysis of storm water and its associated environmental problems. Included is a review of the Clean Water Act, EPA's proposed and final rules, the Federal Register and the Code of Federal Regulations. Prerequisite(s): SFTY 4163 or SFTY 5163.

SFTY 5403 - Transportation Safety Management

This course is a study of transportation safety management, including those areas necessary for planning, organizing and implementing a safety program in the field of transportation. Areas of study include Department of Transportation (DOT) regulations and guidelines, key elements of an accident prevention program for transportation companies, Federal Motor Carrier Safety Regulations (FMCSR), hazard classes under DOT guidelines, and types of substance abuse testing required under DOT regulations. Prerequisite(s): SFTY 3073 with a grade of "C" or better.

SFTY 5412 - Hazard Communication

Upon completion of this course, the student will be familiar with the principles of hazard and risk communication, the principles of design and delivery of hazard training programs, and the elements of an acceptable hazard communication program. Prerequisite(s): SFTY 3433.

Graduate Course Descriptions

SFTY 5423 - 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 5433 - Occupational Risk Management

This course will prepare the prospective safety manager to plan, coordinate and control activities in the work place. oth physical risk and legal risk will be studied. Prerequisite(s): SFTY 2503 with a grade of "C" or better, and SFTY 3073 with a grade of "C" or better.

SFTY 5443 - Asbestos and Lead Management

This is a course in methods and practices used to determine the extent of hazards posed by the presence of asbestos- containing materials and lead paint in the workplace, the environment, and in the home. The course will familiarize the student with federal, state, and local laws and regulations governing these hazards, and the methodologies used to either remove asbestos and lead paint, or to maintain them in situ while keeping personal and environmental risks within acceptable levels. Prerequisite(s): SFTY 4163 or SFTY 5163.

SFTY 5453 - Hazard Waste Operation & Emergency Response

Hazardous Waste Operations and Emergency Response (HAZWOPER) fulfills the initial classroom training requirements of the United States Occupational Health and Safety Administration's regulation 29CFR 1910.120, Hazardous Waste Operation and Emergency Response.

SFTY 5463 - Industrial Ventilation

This course is a study of methods and techniques of industrial ventilation systems, including local exhaust systems as engineering controls for reduction of air-borne contaminants, as well as the basic concepts of heating, ventilation, and air-conditioning (HVAC) systems. Prerequisite(s): SFTY 2503 with a grade of "C" or better.

SFTY 5633 - Accident Investigation

This course is designed to provide the student with the fundamental principles of accident investigation, and enable the student to investigate work related accidents, determine causation, recommend corrective actions and manage the overall accident investigation and reporting process.

SFTY 5723 - Advanced Field Applications in Petroleum Safety

This course in Advanced Field Applications in Petroleum Safety will present an advanced examination of the petroleum industry to include: drilling rig safety systems and inspection techniques; gas plant operation; process safety management principles and practical application with particular emphasis on the specific health, safety and environmental issues peculiar to each area of the industry. Classroom instruction, supplemented with field trips and industry professionals presenting topics specific to their area of expertise, will be utilized to meet the course objectives. Prerequisite(s): Enrollment open to Adult and Higher Education-Training and Interdisciplinary Studies majors.

SFTY 5900 - Practicum In Safety Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 5920 - 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.

SFTY 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

SFTY 5950 - Internship In Safety Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

SFTY 5960 - Institute In Safety

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SFTY 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SFTY 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SPEECH/LANGUAGE PATHOLOGY (SLP)

Donna Nigh Department of Advanced Professional & Special Services

SLP 5013 - 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 5023 - 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 5111 - Speech And Hearing Science Lab

This applied laboratory course is designed to accompany SLP 5112.

SLP 5112 - Speech And Hearing Science

This course presents an advanced study of physical and physiological aspects of speech production and reception. Topics include analysis of acoustic signals and speech synthesis. Prerequisite(s): Permission required.

SLP 5151 - Interprofessional Education I

This seminar-based format, cross-curricular course will explore IPEC Core Competencies for Interprofessional Collaborative Practice and provide experience in a simulated or Grand Rounds environment, performing in an interprofessional team facilitated and supervised by experienced faculty. The course will focus on IPEC competencies and evidence-based practices as key to delivering high-quality, patient centered care. This course is an instructor-led, essential knowledge course.

Graduate Course Descriptions

SLP 5161 - Interprofessional Education II

This hybrid online-seminar cross-curricular course will explore IPEC Core Competencies for Interprofessional Collaborative Practice and provide experience in a simulated or Grand Rounds environment performing in an interprofessional team facilitated and supervised by experienced faculty. The course will focus on IPEC competencies and evidence-based practices as key to delivering high-quality, patient-centered care. This course is an instructor-led essential knowledge course.

SLP 5202 - Written Language Development and Disorders

This course is designed for graduate students in speech-language pathology to meet ASHA standards and guidelines with respect to knowledge and skills in reading and writing development and disorders in children and adolescents. Students will come to understand the relationship between oral and written language development and the role of the SLP in prevention, identification, assessment and intervention of written language disorders. Content will address the nature of literacy, normal development and disorders of language and literacy, clinical tools and methods and collaboration, leadership and research principles.

SLP 5224 - Neurogenic Communication Disorders

Neurogenic Communication Disorders provides a detailed study of the neurological and physiological bases of neurogenic communication disorders. Topics include evaluating the motor, cognitive, and communication features associated with the aphasias, dysarthrias, and apraxia. It also presents the study of the procedures for evaluation and treatment of neurogenic communication disorders in adults including the aphasias, dementias, traumatic brain injury, and right hemisphere syndrome.

SLP 5232 - Communication Disorders Infant/Toddler

This course presents an in-depth examination of high-risk infant/toddler development and implications for speech-language development. Topics include information relative to defining the at-risk population incidence of high-risk infants, medical terminology specific to the population, infant communication development, assessment data, and materials. Models for parent/professional facilitation of communication skills are discussed. Prerequisite(s): Permission required.

SLP 5243 - Diagnostic Methods Speech-Language Pathology

This course presents a detailed examination of the principles and procedures in diagnosis and evaluation of communication disorders. Special reference will be made to interpretation of medical/developmental history, application of standardized tests, informal methods of evaluation, and principles of caseload selection.

SLP 5252 - Advanced Normal Language Development

This course provides a detailed description of linguistic, behavioral, cognitive and social factors in language development. Specific emphasis is placed on analysis and coding of morphologic, syntactic, semantic and pragmatic features in the language of children and adolescents. Prerequisite(s): Permission required.

SLP 5262 - Advanced Language Disorders

This course provides an in-depth examination of the theoretical foundations, formal standardized tests, language sampling and analysis techniques for assessment of language disorders in children and adolescents. Topics include detailed study of various procedures for language treatment. Prerequisite(s): Written permission required.

SLP 5282 - Motor Speech Disorders

This course provides an in-depth study of the principles and procedures for assessment and treatment of articulation and phonological disorders. Evaluation and treatment of oral-motor disorders, including apraxia and dysarthria, are also examined. Prerequisite(s): Permission required.

SLP 5292 - Aphasia II

This course provides a detailed study of the procedures for evaluation and treatment of neurogenic communication disorders in adults including the aphasias, dementias, traumatic brain injury, and right-hemisphere syndrome. Prerequisite(s): SLP 5363, permission required.

SLP 5302 - Augmentative Communication

This course examines the selection, development, and use of augmentative alternative systems of communication with severely communicatively handicapped individuals. Prerequisite(s): Written permission required.

SLP 5314 - 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 treatment strategies. Prerequisite(s): Permission required.

SLP 5323 - 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): Permission required.

SLP 5332 - Legal Aspects Speech-Language Pathology

This course presents a lecture series concerning the legal aspects related to the practice of Speech-Language Pathology. Topics include ethical bases of the profession and federal, state and common law requirements for both the private and public practitioner. Prerequisite(s): Permission required.

SLP 5343 - Dysphagia

This course represents a study of the etiologies, assessment, and treatment of disturbances in oral-motor functioning for speech and swallowing in children and adults. This course replaces SLP 5342. Prerequisite(s): Written permission required.

SLP 5352 - Craniofacial Anomalies & Cleft Palate

This course presents an in-depth examination of the anatomy, embryology, and etiology and classification related to clefts of the lip and palate and craniofacial anomalies associated with genetic and congenital diseases. Topics include the evaluation of the effects of craniofacial anomalies and cleft palate on speech and the evaluation and treatment of speech influenced by craniofacial anomalies and cleft palate speech. Prerequisite(s): Permission required.

SLP 5363 - Aphasia I

This course presents a detailed study of the neurological and physiological bases of neurogenic communication disorders. Topics include evaluating the motor, cognitive, and communication features associated with the aphasias, dysarthrias, and apraxia. Prerequisite(s): Permission required.

Graduate Course Descriptions

SLP 5372 - Neuroscience In Speech-Language Pathology

This course is designed to examine the human nervous system at an advanced level with special emphasis on human communication. Terminology and conceptual tools for studying neurological structure and function of the somatosensory, visual, auditory, and motor systems are included in the examination of neuroscience. These concepts will be related to disorders of speech and language encountered by speech-language pathologists in their clinical work. Prerequisite(s): Permission required.

SLP 5384 - Aural Rehabilitation

This course presents a survey of the various methods and devices used in treatment of sensory auditory disorders. Topics include 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 5422 - Professional Issues in Speech-Language Pathology

This course examines selected professional issues relevant to the practice of Speech-Language Pathology in education, healthcare, and licensure. Content may vary based on contemporary issues in the field. The content will provide an opportunity for students to explore, analyze, and apply aspects of current professional issues that impact the clinical practice of Speech-Language Pathology. Topics may include: Supervision, RTI, Pediatric Feeding & Swallowing, Evidence Based Practice, Ethics, or Counseling.

SLP 5713 - Science of Behavior Change in 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 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 5920 - 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.

SLP 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

SLP 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

SLP 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SLP 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SLP 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SOCIOLOGY (SOC)

Department of Sociology, Gerontology & Substance Abuse Studies

SOC 5043 - Sociological Statistics

Statistical applications in sociological research are emphasized in this course. Students learn to use traditional statistical treatments to describe sociological data. They learn to use decision-making statistics to make inferences about the relations between variables. They also learn to employ computer applications of statistical procedures in the analysis of sociological data. This course replaces SOC 5783. Prerequisite(s): Undergraduate degree in sociology or related area.

SOC 5053 - 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): 3 hours of sociology.

SOC 5063 - Sociology of Gender

Sociology of Gender will acquaint students with the myriad of issues related to the development of gender roles in society and the stratification related to these roles found across history and culture.

SOC 5233 - Human Behavior/Social Environment

In this course, various social systems are analyzed in regard to their impact upon the quality of human life. Human development theories and research are then studied chronologically, as they relate with environmental factors to determine the human condition. For each age group, sociological, psychological, and biophysical variables are examined, as well as the impact of diversity upon human behavior and social life.

SOC 5243 - 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): SOC 2103 and 6 hours of sociology.

SOC 5403 - Social Ecology And Demography

An analysis of population movements and their effects on ecological and demographic factors in the society.

SOC 5443 - Social Stratification

Theories of class and caste; wealth, status, and power; the American class system. Prerequisite(s): 9 hours of sociology.

SOC 5463 - Sociology of Trauma

Sociology of Trauma 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 to ameliorate resultant maladaptive behavior patterns. Matters of etiology, symptomology, and treatment techniques are examined with particular emphasis on research and theory. Prerequisite(s): Graduate standing in a program in the social and behavioral sciences, or in professional helping areas, and an introductory course in chemical dependency studies.

SOC 5513 - Contemporary Social Movements

Contemporary Social Movements covers the tools for the analysis of social movements (collectivities engaged in promoting or resisting change within society).

Graduate Course Descriptions

SOC 5533 - Sociology of Death and Dying

Sociology of Death and Dying examines the structural and interactional aspects of the phenomenon of death and the process of dying in modernity. This course includes, among other things, an analysis of the highly variegated attitudes and meanings related to death rituals, body disposal, professionalization of death work, significance of bereavement and grief, the medicalization and bureaucratization of death and dying, and the role of hospitals and hospices in the management of dying.

SOC 5573 - Sociology Of Childhood/Adolescence

A study of the group phases of childhood, child welfare, and the sociological analysis of child and adolescence.

SOC 5633 - Social Welfare Policy

Social Welfare Policy will provide students with an understanding of state and federal social welfare policies and the impact they have on special populations (particularly those in poverty). In addition, students will learn the theoretical bases for social welfare policies and analyze them from economic, political, and human services perspectives.

SOC 5693 - Sociological Theory

A study of both classical and contemporary sociological theorists. Emphasis is on understanding the biographical, social, and philosophical context of theory. An understanding of how to apply various sociological perspectives is also presented. Prerequisite(s): SOC 3103 or 3633 or 4243.

SOC 5763 - Qualitative Methods

Qualitative Methods examines the collection of research strategies (methods) considered to be part of the genre of qualitative research. The primary topics in the course include, research design, research ethics, in-depth interviews, ethnography (participant observation), focus groups, and case studies. Other research strategies examined in less detail include sociometry, life histories, visual sociology, and a host of unobtrusive measures.

SOC 5773 - Sociological Research

This course teaches students a variety of research designs used in social research, e.g., experiments, quasi-experiments, and correlational designs. 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. Students also learn to design and implement several research projects. The major emphasis in this course is quantitative research design, with some attention given to qualitative research procedures. Prerequisite(s): Undergraduate degree in sociology or related areas.

SOC 5900 - Practicum In Sociology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SOC 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SOC 5920 - Workshop in Sociology

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.

SOC 5930 - Individual Study In Sociology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SOC 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

SOC 5950 - Internship In Sociology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

SOC 5960 - Institute In Sociology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SOC 5970 - Study Tour In Sociology

Credit will vary. Subject matter will vary within the department's field of study.

SOC 5990 - Thesis In Sociology

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SOCIAL STUDIES (SOST) Department of History & Geography

SOST 5910 - Seminar / Special Topics

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 5203 - Readings In Spanish Culture And Civilization

Prerequisite(s): Eighteen hours of Spanish.

SPAN 5223 - Advanced Spanish Grammar

Prerequisite(s): Eighteen hours of Spanish.

SPAN 5303 - 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): 17 hours in Spanish and permission of the instructor.

SPAN 5403 - Contemporary Spanish American Drama

This course introduces students to Spanish American dramatic works 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 of Spanish and permission of the instructor.

SPAN 5900 - Practicum In Spanish

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPAN 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary from within the department's field of study. May be repeated for credit up to four hours. Prerequisite(s): Eighteen hours of Spanish.

SPAN 5920 - Workshop in Spanish

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.

SPAN 5930 - Individual Study 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 credit up to 4 hours.

Graduate Course Descriptions

SPAN 5940 - Field Study In Spanish

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

SPAN 5950 - Internship In Spanish

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

SPAN 5960 - Institute In Spanish

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SPAN 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SPAN 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SPECIAL EDUCATION (SPED)

Donna Nigh Department of Advanced Professional & Special Services

SPED 5102 - Language Development In Special Education

This course will explore 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.

SPED 5123 - Teaching Individuals w/Disabilities

This course addresses special education categories of disabilities, related legal mandates, parent rights, and 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 assist these students to succeed.

SPED 5212 - Legal Aspects In Special Education

This course seeks to explore issues relating to the needs and concerns of parents of exceptional individuals. A survey of current legal issues affecting the rights and responsibilities of individuals with exceptionalities, their parents and teachers will be discussed. Prerequisite(s): SPED 4123.

SPED 5232 - Educational Strategies Young Child Disability

Educational Strategies for Young Children with Disabilities 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 or 5123.

SPED 5242 - Foundations Of Mild/Moderate Disability

The Foundations of Mild/Moderate Disabilities course is designed to teach characteristics and etiology of disabilities including 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 disabilities in educational settings. In addition, case studies and a variety of interventions will be explored to analyze and determine services needed. A research component will be required. Prerequisite(s): SPED 4123.

SPED 5252 - Foundations Of Severe/Profound Disability

The course is designed to assist students in developing proficiency in recognizing and understanding the historical, legal, and ethical history of children, preschool to secondary level, defined as needing extensive and ongoing supports. The content of this course includes characteristics, roles, and interactions effects of and to friends, society and the family. Motor tic, emotional, cognitive, social, behavioral, physical, and health causes will also be explored. Prerequisite(s): SPED 4123.

SPED 5303 - 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.

SPED 5322 - Trends & Issues In Special Education

This course will address medical trends, litigation, legislation, controversial issues, curricular development and best practices in special education. 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" or SPED 5123 with a minimum grade of "B".

SPED 5402 - Program Development & Administration In Special Education

This course involves the examination of the social and psychological factors involved in program organization and management in special education. Focus will be on the factors affecting the establishment and operation of services for the exceptional student. Prerequisite(s): SPED 4722.

SPED 5432 - Attention Deficit Hyperactive Disorders

This course is designed to provide information regarding etiology and intervention techniques appropriate to assist individuals with attention deficit hyperactivity disorders. Techniques for assessment, effective research-based intervention, parent and counselor intervention will also be addressed. In addition, students will be exposed to information regarding medications and a variety of alternative treatments that have proven effective for some individuals with ADHD. Prerequisite(s): SPED 4123 with a minimum grade of "C" or SPED 5123 with a minimum grade of "B".

SPED 5443 - Behavioral/Classroom Management

This course is designed to provide behavioral and classroom management techniques for teacher candidates, parents, and therapists. The course emphasizes applied behavioral analysis, cognitive behavioral techniques, informal behavioral assessment, functional behavioral assessment, behavioral intervention plans, and a variety of interventions to change behaviors. Prerequisite(s): SPED 4123/5123 with a minimum grade of "B".

SPED 5452 - 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 of Oklahoma. Prerequisite(s): SPED 4123 with a minimum grade of "C".

Graduate Course Descriptions

SPED 5543 - Counseling Families Of Individuals with Disabilities

This course develops expertise in assisting families of individuals with disabilities and is designed for students pursuing professions in education, psychology, counseling, social work, and others. It will focus on the ethical issues and legal foundations needed for consultation and collaboration with parents and other professionals who provide services to individuals with disabilities. Prerequisite(s): Permission of graduate advisor.

SPED 5572 - Autism and Traumatic Brain Injury

This course provides a study of the characteristics, etiology, evaluation, and identification of individuals with autism and/or traumatic brain injury. Research-based effective educational programs, assistive technology and other resources for individuals with autism and those with traumatic brain injury (TBI) will be emphasized. Collaboration and training of parents and professionals as required for the development of an individualized educational program will be examined. Prerequisite(s): SPED 4123 or 5123.

SPED 5582 - 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.

SPED 5653 - Procedures For Mild/Moderate Learning Disabilities

This course examines the characteristics, identification, evaluation, 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. Prerequisite(s): SPED 4123.

SPED 5693 - Procedures For Severe/Profound Physical Health Disabilities

This course will study the academic, behavioral, emotional, and social procedures available to teach the student with severe to profound physical disabilities. Curriculum modifications will be researched pertaining to the wide range of physical and health problems of students with severe-profound physical and health disabilities. Specialized physical equipment and medical adaptations for this population will be explored in depth. Prerequisite(s): SPED 4123 or 5123.

SPED 5743 - Procedures For Mild/Moderate Emotional Behavior

A study of characteristics, problems of identification and educational programs for students with emotional disturbance and social maladjustment in public schools, day care centers, hospitals, and residential schools. Mental health principles for understanding, managing, and teaching emotionally disturbed children are included. Emphasis is placed upon the administrative provisions, theories of remediation, curriculum and materials utilized in prescriptive teaching. Prerequisite(s): SPED 4123.

SPED 5753 - 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, day treatment centers, and residential schools. Mental health principles for understanding, managing, and teaching individuals with emotional/behavior disorders are included. Emphasis is placed upon the academic, behavioral, emotional, and social needs of this severe-profound disabilities population. Prerequisite(s): SPED 4123 or 5123.

SPED 5763 - Procedures for Mild/Moderate Disabilities:

Intellectual Disabilities

This course is a study of the characteristics, causes and academic, social, cultural, emotional interventions for students with mild-moderate intellectual disabilities. It will include a study of the classification, ideology, legal regulations, and classroom procedures that are implemented to improve the lives of students classified as mildly intellectually delayed. Emphasis is placed upon IEP development, Para Educator training, cultural aspects, organizational skills, time management, self-advocacy, as well as methods and techniques. Prerequisite(s): SPED 4123.

SPED 5773 - Procedures For Severe/Profound Intellectual Disability

This course will study the application of classification, assessment, ideology, and characteristics of students with severe-profound/intellectual disability. Biochemical, psychological, and socio-educational aspects are considered. Emphasis is placed upon classroom organization, curriculum adjustments and methods and techniques of teaching students with intellectual disability at severe-profound levels. Prerequisite(s): SPED 4123 or 5123.

SPED 5842 - Curriculum Development Mild/Moderate Disability

The course is designed to teach skills necessary to design a program for students functioning at mild/moderate levels of Emotional/Behavioral Disorder, Learning Disabled, and Mental Retardation, and Early Childhood Development Delays. The Great Expectations Teaching Model and Priority Academic Student Skills Core Curriculum, counseling techniques, transition programs, and parent involvement training/behavior management programs will be explored to meet specific needs of Oklahoma School Districts. Collaboration and communication strategies will also be explored. Prerequisite(s): SPED 4123 or 5123.

SPED 5852 - 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 skills acquisition, cultural issues for children preschool to adulthood, who are taught in the public schools. A curriculum will be developed that is functional, relevant, and implemental. Prerequisite(s): SPED 4123 or 5123.

SPED 5900 - Practicum In Special Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 5920 - 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.

SPED 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

SPED 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

Graduate Course Descriptions

SPED 5960 - Institute In Special Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SPED 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SPED 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

STATISTICS (STAT)

Department of Mathematics and Statistics

STAT 5103 - Applied Experimental Design

Topics for this course include basic concepts of experiments and experimental error, analysis of variance of one-, two-, and three-way classifications, and nonparametric statistics. Prerequisite(s): STAT 2113 with a minimum grade of "C".

STAT 5123 - Mathematical Statistics 2

This course builds upon the foundation of probability begun in Mathematical Statistics 1, and continues the study of the theory and application of Probability and Statistics, with the emphasis placed on Statistics. The course includes the study of the distributions of functions of random variables, sampling distributions, properties of estimators including efficiency and the Cramer-Rao Inequality, consistency, sufficiency, and maximum likelihood methods. Other course topics include the theory and application of confidence interval estimation, hypothesis testing and the Neyman-Pearson Lemma. Successful completion of Mathematical Statistics 2 provides the student with the necessary requisites and background to enter more advanced and specialized courses in Statistics, as well as other academic fields. Prerequisite(s): STAT 4113 with a minimum grade of "C".

STAT 5213 - Applied Regression Analysis

Topics for this course will include multiple regression, generalized linear models, and time series analysis. Data will be analyzed using statistical software. Prerequisite(s): STAT 2113 with a minimum grade of "C".

STAT 5253 - Quality Control

Topics in this course include random samples, frequency distributions of sample data, sampling distributions, sampling acceptance plans, rectifying inspection, and the general theory of control charts. Prerequisite(s): STAT 4113 or 5113 and 4303.

STAT 5263 - Computer Applications in Statistics

This course will include programming techniques, data organization, selection and interpretation of statistical tests as applied to modern statistical software. Prerequisite(s): STAT 2113 with a minimum grade of C.

STAT 5303 - Non-Parametric Statistics

Topics in this course include distribution-free statistics, techniques of hypothesis testing with data drawn from a population that is not distributed in a particular manner, the binomial test, the sign test, the median test, and the Cochran Q test. Prerequisite(s): STAT 2113 with a minimum grade of "C".

STAT 5353 - Probability Theory

This course provides the student with a thorough treatment of the mathematical structure and application of probability. Topics include principles of combinatorics, the fundamentals of probability, conditional probability and independence, random variables, mathematical expectation, the Weak and Strong Laws of Large Numbers, and the Central Limit Theorem. Emphasis will be placed upon building a strong foundation for the more advanced study of probability and statistics. Prerequisite(s): STAT 4113.

STAT 5413 - Data Visualization and Exploration

This course focuses on key design principles and techniques for interactively visualizing data. The major goals of this course are to understand how visual representations can help in the analysis and understanding of complex data, how to design effective visualizations, and how to create interactive visualizations using modern computing tools.

STAT 5423 - Data Fitting

Topics in this course include fitting data to a linear equation, a polynomial, an orthogonal polynomial, and an exponential growth curve. Piecewise polygonal fitting will also be discussed. Prerequisite(s): CMSC 1613 and STAT 2113 with a minimum grade of "C".

STAT 5513 - Statistical Consulting

In this course, students will provide statistical consulting services to clients from the community. Students will be working on-site, meeting with the clients, developing statistical questions, and collecting data. They will then analyze the data and prepare both written and oral reports to be given to the clients. Prerequisite(s): STAT 5103 or STAT 5213 or STAT 5263 or STAT 5303.

STAT 5533 - Data Mining & Statistical Learning

This course will expose students to modern data analysis techniques for regression, classification, and unsupervised learning. Students will apply machine learning algorithms to real-world data using statistical software. Selected topics include: penalized regression, regression splines, decision trees, support vector machines, principal components analysis, and clustering. Prerequisite(s): STAT 4213 or STAT 5213 each with a minimum grade of "C" or permission of the instructor.

STAT 5900 - Practicum In Statistics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 5920 - Workshop in Statistics

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.

STAT 5930 - Individual Study In Statistics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 5940 - Field Study In Statistics

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

STAT 5950 - Internship In Statistics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

STAT 5960 - Institute In Statistics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

STAT 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

STAT 5980 - Graduate Project

A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. Prerequisite(s): Written permission of instructor required.

STAT 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

Department of Curriculum and Instruction

TESL 5123 - 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 purpose, 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.

TESL 5133 - One-Way & Two-Way Language Immersion

This course is designed to provide knowledge of current trends, methods, strategies and resources related to instructional issues and practices in bilingual settings. Upon completion, students will demonstrate proficiency in designing and adapting materials for immersion classrooms, and planning and implementing instruction that promotes additive bilingual proficiency across the curriculum. Prerequisite(s): permission required.

TESL 5143 - Literacy Development for Multilingual Learners

In this course, students will examine basic theoretical and research-based considerations for elementary and secondary multilingual learners' literacy development. Topics will include literacy development, second language acquisition, instructional materials, strategies, resources, and the role of assessment information in the teaching/learning process.

TESL 5163 - Content Area Instruction for Multilingual Learners

This course will provide a rationale for cultural and linguistic considerations in content area instruction for multilingual learners. 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.

TESL 5212 - Cultural/Linguistic Diversity In Schools

This course will examine the influence of culture and language on individual learning styles, behavior patterns and understanding of academic 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.

TESL 5253 - Principles and Methods of Teaching Multilingual Learners

In this course, students will examine both the theoretical and research-based, constructivist practices for teaching multilingual learners (MLs) in early childhood and elementary mainstream classrooms. Students will analyze the challenges faced by MLs culturally, linguistically, and academically. They will be able to design and implement effective, developmentally appropriate, instructional adaptations of grade-level content for students at various levels of language proficiency.

TESL 5313 - Assessment of Multilingual Learners

This course will examine the issues and concerns of language and academic assessment of multilingual learners in schools. Topics will include norm- and criterion-referenced standardized tests, the use of tests for instructional purposes and program placement/exit decisions, standards-based assessment with allowable accommodations, classroom-based summative and formative assessments, cultural bias, and assessment of special needs multilingual learners. Students will apply principles and technical aspects of design and construction of teacher-made assessments for describing the linguistic profile of multilingual learners. Prerequisite(s): A minimum of 3 hours of TESL coursework.

TESL 5413 - Language Structure I

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 multilingual learners in the school setting. Students will be able to apply their understanding of the underlying processes of producing and interpreting oral and written language by developing and analyzing teaching strategies and materials for multilingual learners.

TESL 5522 - Integrating Technology for Multilingual Learners

This course examines the potential role of digital resources, including hardware, software, the internet, social media, and other personal technology devices in the effective planning and delivery of 21st century curriculum. Primary emphasis is placed upon the appropriate use of technology to facilitate learning for multilingual learners.

TESL 5763 - 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.

Graduate Course Descriptions

TESL 5783 - TESOL Methodology

This course provides the theoretical and practical foundations for teaching English to multilingual learners. Historic and contemporary methods are studied, in addition to classroom management and the general development and adaptation of materials for instruction.

TESL 5883 - Teachers as Researchers

This course examines action research, an approach to research involving self-reflective, systematic inquiry by education practitioners for the purpose of studying and improving their own practice. Identification of problems to investigate, research design, data collection, data analysis, data interpretation and technical writing are presented. The ethics of action research with human subjects is addressed. Students plan and implement a practice-based action research project and report on the outcomes of their study. Students writing a thesis will complete the thesis proposal in place of the action research. Prerequisite(s): TESL 5763 and PTE 5013.

TESL 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5920 - 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.

TESL 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

TESL 5950 - Internship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

TESL 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

TESL 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

TESL 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

THEATRE ARTS (THRT) Department of Theatre Arts

THRT 5213 - Shakespeare on Film

This course will guide students in exploring how Shakespeare's plays have been adapted for film using both early cinematic techniques and modern technology. Reading a number of Shakespeare's play and viewing movie interpretations will serve as a base for analysis, lectures, discussion and an in-depth research project and oral presentation. Prerequisite(s): Graduate standing.

THRT 5303 - Global Theatre

This course surveys the theatrical traditions of global theatre in a variety of forms including realistic and not-realistic performances. The theatrical arts of various countries will be studied not only for their intrinsic value, but as key to understanding the cultural components which compose our global world. Prerequisite(s): Graduate standing.

THRT 5353 - History Of Theatre Beginning -1660

This course provides the student with a comprehensive survey of the development, important issue, prominent artists, and pivotal events in the history of the theatre from its beginning to 1660. Students will conduct independent exploration into selected aspects of theatrical development. Prerequisite(s): Graduate standing.

THRT 5363 - 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 the Theatre from 1660 until present. Students will conduct independent exploration into selected aspects of theatrical development. Prerequisite(s): Graduate standing.

THRT 5713 - Play Production

This course is a study of the techniques and philosophies of directing plays in the contemporary theatre and emphasizes actual practice through the preparation and presentation of scenes from modern and classic plays, producing and directing a short play and preparing in-depth studies of modern professional theatre directors. Prerequisite(s): Graduate standing.

THRT 5900 - Practicum In Theatre Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

THRT 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary from within the department's field of study.

THRT 5920 - 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.

THRT 5930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. THRT 5940 - Field Study In Theatre Arts
Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

THRT 5950 - Internship In Theatre Arts

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

THRT 5960 - Institute In Theatre Arts

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

THRT 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

THRT 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

Graduate Course Descriptions

UNIVERSITY COLLEGE (UCOL) University College

UCOL 5000 - 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 2 hours of workshop may be counted on a master's degree.

UCOL 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

UCOL 5910 - Seminar / Special Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

UCOL 5930 - Independent Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

UCOL 5950 - Internship

Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

UCOL 5960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

UCOL 5970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

UCOL 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

UNIVERSITY COURSES (UNIV) University Courses

UNIV 5000 - 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 2 hours of workshop may be counted on a master's degree.

UNIV 5900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

UNIV 5910 - Seminar / Special Topics
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

UNIV 5980 - Study Abroad: Place Holding

Temporary course associated with study abroad college coursework. Allows a student to be recognized as enrolled. These courses are replaced by approved articulated academic courses once the study abroad experience has ended and the appropriate records have been received by the UCO Registrar's office. Student pays tuition and fees at UCO.

UNIV 5990 - Thesis

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.