A full time Graduate student must be enrolled in a minimum of NINE hours of graduate study for Fall or Spring semesters, and six hours of graduate study for summer semester.

Students who enroll for graduate credit without formal admission to—or permission of—the Jackson College of Graduate Studies & Research, will be administratively dropped from enrollments and will receive no credit.

A Graduate Assistant (GA) or Research Assistant (RA) must be enrolled in at least NINE hours of graduate study, whether he/she be a full, three-fourths or half time GA or RA.

An international student or a student on a temporary visa to the USA CANNOT enroll as a non-degree student.

The evaluations and decisions of international student applications by the Jackson College of Graduate Studies and Research are FINAL.

The international student must meet the deadline dates for the program and international application as listed in the Graduate Catalog.

International students applying for Assistantships or clerical employment, must have a Social Security number and must obtain clearing from the International office regarding their eligibility for employment.

A non-degree student can change student status to degree seeking only after one full year of graduate enrollment as a non-degree student.

Non-degree students who are admitted to a program can transfer only NINE hours of graduate credit earned on non-degree status to the program, except in the case of programs which require a minimum number of graduate credit hours before admission to that program.

Non-degree students do not qualify for financial aid.

Graduate students who have not enrolled for graduate courses for one year, must reapply for admission to the graduate college and must satisfy the program requirements at the time of re-admission.

Anyone wishing to obtain graduate credit for a course, workshop or seminar must be admitted to the Jackson College of Graduate Studies & Research by submitting an application and qualifying transcript with the degree posted and minimum GPA of 2.50 before being accepted.

All entering graduate students must provide a Plan of Study to the Jackson College of Graduate Studies and Research before the end of the first semester of their graduate enrollment.

Graduate student admission to the Forensic Science Graduate Program is restricted to the Fall semester only.

Students on “academic probation” can enroll only for NINE graduate hours while on probation. These students may not enroll for the following semester until after the grades for the current semester are posted. Academic Standing is determined by the overall graduate GPA.

Students who are on “academic suspension” can enroll only in undergraduate courses and can not enroll in graduate courses for at least 16 weeks.

Students who are “suspended” must apply in writing for re-admission to the Jackson College of Graduate Studies and Research for consideration by the Admission and Retention Committee of the Graduate Council within 30 days of receiving their suspension notification.

Students dismissed from the Jackson College of Graduate Studies and Research after one academic suspension and rejected for readmission are not eligible to enroll in any graduate program at UCO.

Students readmitted to the Jackson College of Graduate Studies and Research after one academic suspension continue to be on academic probation. Subsequent suspension from the Jackson College of Graduate Studies and Research results in dismissal, and students are not eligible to enroll in any graduate program at UCO.

All students who have completed the requirements for graduation MUST apply for graduation. The application form must be submitted to the Jackson College of Graduate Studies and Research, and a fee of $25.00 must be paid to the Bursar’s office, on or before the date listed in the course schedule. Failure to do so will result in the students graduating in the following semester.
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Graduate Programs and Advisors

**College of Arts, Media & Design**

**Master of Fine Arts (M.F.A.)**  
*Design -1600*  
Dr. James Watson  
Art 107, 974-5212, jwato @ ucok.edu

**Master of Music (M.M.)**  
*Music -1610*  
Dr. Ron Manning  
Music 206, 974-5758, rmanni ng@ucok.edu

CAMD non-degree Code -1999

**College of Business Administration**

**Master of Business Administration (M.B.A.)**  
*MBA program -2600*  
Ms. Dawna Terrell  
Business 100F, 974-2422, dterrell@ucok.edu

CBA non-degree code -2999

**College of Education**

**Master of Education (M.Ed.)**

*Early Childhood Education-3630*  
Dr. Paulette Shreck  
LIB 146, 974-5138, pshreck@ucok.edu  
Dr. Lola Davis  
LIB 145, 974-5721, ldavis@ucok.edu

*Education Guidance & Counseling-3610*  
Dr. Jerry Chandler  
LIB 128, 974-5290, jchandler@ucok.edu  
Dr. Patti Buxton  
LIB 133, 974-5446, pbuxton@ucok.edu

*Educational Administration -3600*  
Dr. Joann McCarthy  
LIB 149, 974-5448, jmccarthy@ucok.edu  
Dr. Sheldon Buxton  
LIB 125, 974-5663, sbuxton@ucok.edu

*General Education -3700*  
Dr. Gayle Kearns  
HE200D, 974-5802, gkearns@ucok.edu

**College of Education, continued**

*Bilingual Education/TESL -3702*  
Dr. April Haulman  
LIB 144, 974-513, ahaulman@ucok.edu

**Instructional Media**

*APPLIED TECHNOLOGY -3621*  
Dr. Jill Rooker  
LIB 129, 974-5885, jrooker@ucok.edu

*LIBRARY INFORMATION -3620*  
Dr. Pat Patterson  
LIB 132, 974-5885, ppatterson@ucok.edu

**Professional Health Occupations-3690**  
Dr. Karen Barnes  
HE 200E, 974-5334, kbarnes@ucok.edu

**Reading -3740**  
Dr. Mary Monfort  
LIB 315, 974-5711, mmonfort@ucok.edu

**Special Education**

*MILD-MODERATE -3721*  
(A-L) Dr. Ed Collins  
LIB 315, 974-5269, ecollins@ucok.edu

(J-R) Dr. Donna Kearns  
LIB 315, 974-5285, dkearns@ucok.edu

(S-Z) Dr. Terry Spigner  
LIB 315, 974-348, tspigner@ucok.edu

**SEVERE-PROFOUND -3722**

Dr. C. Myles-Nixon  
LIB 315, 974-5281, cmyles@ucok.edu

**Master of Arts (M.A.)**

**Psychology**

*COUNSELING -3710*  
Psychology Department  
ED 307, 974-5707

*GENERAL EXPERIMENTAL -3711*  
Psychology Department  
ED 307, 974-5707

*SCHOOL PSYCHOLOGY -3712*  
Dr. Peggy Kerr  
ED 307, 974-5477, pkerr@ucok.edu
6 Master's Degrees, 23 areas, 47 options

College of Liberal Arts, continued

English

Composition -5600
Contemporary Literature -5601
Creative Writing -5602
Teaching English as a Second Language -5603
Traditional Studies -5604
Dr. Amy Carrell
LA 101C, 974-5609, acarrell@ucok.edu

History

General -5610
Museum Studies -5611
Social Studies Teaching -5612
Dr. Stanley Adamiak
LA 204E, 974-5451, sadamiak@ucok.edu

Political Science

General -5620
International Relations -5621
Public Affairs -5622
Dr. Jan Hardt
LA 104E, 974-5840, jhardt@ucok.edu

Liberal Arts non-degree code -5999

College of Mathematics & Science

Master of Science (M.S.)

Applied Mathematical Science

Computer Science -6620
Mathematics -6621
Statistics -6622
Math/Computer Science Teaching -6623
Dr. Charlotte Simmons
MCS 133
974-5316, cksimmons@ucok.edu

Biology -6600
Dr. Peggy Guthrie
H 200H, 974-5773, pguthrie@ucok.edu

Forensic Science

Criminalistics -6610
Nursing -6611
Technical Investigations -6612
Dr. Robert Bost
H 320E, 974-5519, rbost@ucok.edu

Engineering Physics -6630
Dr. Weldon Wilson
H 221, 974-5470, wwilson@ucok.edu

Math & Science non-degree code -6999

College of Education, continued

Master of Science (M.S.)

Adult Education
Community Service -3680
Dr. Gayle Kearns
HES 200D, 974-5802, gkearns@ucok.edu
Gerontology -3681
Dr. Doug Reed
HE 200A, 974-5803, dreed@ucok.edu

Family and Child Studies -3650
Dr. Kaye Sears
HE 100D, 974-5786, ksears@ucok.edu

Nutrition-Food Management -3660
Dr. Marilyn Waters
HE 100B, 974-5805, mwaters@ucok.edu

Speech/Language Pathology -3730
Dr. Scott McLaughlin
LIB 315, 974-5297, smclaughlin@ucok.edu

Wellness Management
Health Studies -3671
Exercise Science -3670
Dr. Gerry Pinkston
WH 11, 974-5259, gpinkston@ucok.edu

Certification

Teacher Certification
Mr. Bill Deering
ED 207, 974-5710, bdeering@ucok.edu

School Psychologist or
School Psychometrist
Dr. Peggy Kerr
ED 307P, 974-5477, pkerr@ucok.edu

Education non-degree code -3999

College of Liberal Arts

Master of Arts (M.A.)

Criminal Justice -5630
Dr. Gary Steward
LA 201D, 974-5533, gsteward@ucok.edu
Graduate Catalog, 2003-2004
University of Central Oklahoma

Belief Statement

DR. JOE C. JACKSON COLLEGE OF GRADUATE STUDIES AND RESEARCH

The Dr. Joe C. Jackson College of Graduate Studies and Research believes graduate programs must provide a rigorous academic challenge, raise global awareness among scholars, and promote development of research skills in a highly personalized setting.

Specifics of the mission:

In its research mission the Jackson College of Graduate Studies & Research acts as an outspoken champion for research by creating a welcoming environment, supporting research initiatives and facilitating the integration of research as a teaching tool. The college serves as a liaison between faculty, students, business, industry and funding agencies by assisting with external grants, internship and fellowship opportunities. The College secures funds through institutional grants to the university and promotes collaborative efforts with other universities, organizations, business and industry.

The Jackson College of Graduate Studies & Research encourages student participation in research creative and scholarly activities by providing a strong link between research and education. The College encourages, develops, recognizes and rewards individuals who balance and combine research and education via incentive awards and colloquia.

In its graduate program mission the College coordinates six (6) Masters degrees covering 23 areas with 47 different options available in the academic colleges. The College supports a community of scholars comprised of graduate faculty and students with the purpose of advancing knowledge through instruction, research and public service.

The Jackson College of Graduate Studies & Research supports the university’s commitment to academic inquiry, excellence in teaching, and community service, consistent with the policies of the Board of Regents of Oklahoma Colleges.
Governing Boards and Presidents

Oklahoma State Regents for Higher Education

Dr. Paul G. Risser, Chancellor
Carl R. Renfro, Chairman ................................. Ponca City
Marlin “Ike” Glass, Jr., Vice-Chairman ............... Newkirk
James D. “Jimmy” Harrel, Secretary ................. Leedey
Joseph E. “Joe” Cappy, Assist. Secretary ......... Tulsa
Bill W. Burgess, Jr. ...................................... Lawton

Leonard J. Eaton, Jr. ...................................... Tulsa
Cheryl P. Hunter ........................................... Edmond
John Massey .............................................. Durant
Joe L. Mayer .............................................. Guymon

Board of Regents of Oklahoma Colleges

Dr. Sandy Garrett, (ex-officio)
State Supt. of Public Instruction
Janice Gordon, Chairman ....................... Broken Arrow
Richard Ryerson, Vice Chairman ............ Alva
Steve Poag, Secretary ............................... Chickasha

Belva Howard ............................................... Tulsa
Marseda Garrison ......................................... Elk City
Michael Thompson ..................................... Shawnee
Ann Halloway ............................................. Ardmore
Mark Stansberry ........................................ Edmond

UCO Presidents

Richard Thatcher ........................................ 1891 - 1893
George W. Winans ....................................... 1893 - 1894
E.R. Williams ............................................. 1894 - 1895
E.D. Murdaugh ............................................. 1895 - 1901
F.H. Umholtz ............................................... 1901 - 1906
T.W. Butcher ............................................... 1906 - 1908
James A. McLaughlin ................................. 1908 - 1911
Charles Evans .............................................. 1911 - 1916
Grant B. Grumbine ..................................... 1916 - 1917
J.W. Graves ............................................... 1917 - 1919

John G. Mitchell ......................................... 1919 - 1931
M.A. Beeson ............................................... 1931 - 1935
John O. Mosley .......................................... 1935 - 1939
Roscoe R. Robinson ................................... 1939 - 1948
W. Max Chambers ....................................... 1948 - 1960
Garland Godfrey ......................................... 1960 - 1975
Bill J. Lillard ............................................. 1975 - 1992
George Nigh ............................................... 1992 - 1997
W. Roger Webb .......................................... 1997 -

Statement of Administrative Policy, UCO

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 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, 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.

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 programs and activities. The ofﬁcers of the university believe the information contained herein is accurate as of the date of publication. In the best interest of the University of Central Oklahoma community, academic programs are kept relevant by continuous revision of curricula, and the University reserves the right to modify any provision of its policies, procedures, regulations, or other matters, without prior notice, to conform with policies and practices as approved by the appropriate University ofﬁcers or state ofﬁcials.
Executive and Academic Officers

Executive Officers
W. Roger Webb, J.D. ................................................................. President
Don Betz, Ph.D. ................................................................. Provost and Vice President for Academic Affairs
Steve Kreidler, B.S. ............................................................. Vice President, Administration
Kathryn Gage, Ph.D. ............................................................ Vice President, Student Services

Academic Officers
S. Narasinga Rao, Ph.D. ... Dean, Jackson College of Graduate Studies & Research
Christopher Markwood, Ph.D. ........................................ Dean, College of Arts, Media & Design
Karen Carter, Ph.D. ............................................. Associate Dean, College of Arts, Media & Design
Thomas E. Boyt, Ph.D. ........................................ Dean, College of Business Administration
Timothy Bridges, Ph.D. ........................................ Assistant Dean, College of Business Administration
Judith A Coe, Ed.D. .................................................. Dean, College of Education
Pamela Fly, Ph.D. .................................................. Assistant Dean, College of Education
T. H. Baughman, Ph.D. ......................................... Dean, College of Liberal Arts
Pamela Washington, Ph.D. .................................... Associate Dean, College of Liberal Arts
Dan Donaldson, Ph.D. ................................................ Assistant Dean, College of Liberal Arts
William Caire, Ph.D. ................................................ Dean, College of Mathematics & Science
Melinda Henderson, Ed.D. .......................... Associate Dean, College of Mathematics & Science
Bonnie McNeely, Ph.D. ................................................ Executive Director, Max Chambers Library

Graduate Council
Chair, Dr. S. Narasinga Rao, Dean, Jackson College of Graduate Studies and Research

Admissions & Retention
Dr. William Hommel (2004)
Dr. Tom Bergman (2005)
Dr. Jill Rooker (2004)
Dr. Jere Roberson (2003)
Dr. Dana Craig (2005)
Dr. Brent Wendling (2004)

Membership Committee
Dr. Warren Dickson (2004)
Dr. Marilyn Waters (2003)
Dr. Stanley Adamiak (2005)
Dr. Riaz Ahmad (2003)
Dr. Dan Endres (2004)

Curriculum Committee
Dr. Jim Watson (2004)
Dr. Bambi Hora (2003)
Dr. Patti Buxton (2005)
Dr. James Mock (2004)
Dr. David Bridge (2003)
Dr. Jim Dechert*
Dr. John Barthell (2004)

Ex officio:
Dr. Ed Cunliff, Liaison for Academic Affairs
Ms. Nicole Willard, Liaison for University Libraries
Dr. John M. Garic, Liaison for AAUP

*Faculty Senate Representative
Department Chairs

College of Arts, Media and Design
Art .............................................................................................................................. Dr. Bob Palmer
Design ............................................................................................................... Dr. James R. Watson
Music (School of) ............................................................................................. Dr. Ralph Morris
Theatre, Dance and Media Arts ........................................................................... Dr. Roberta Raider Sloan

College of Business Administration
Accounting ......................................................................................................... Dr. Katherene Terrell
Economics .......................................................................................................... Dr. Joseph Johnson
Finance .............................................................................................................. Dr. Randal Ice
General Business ............................................................................................... Dr. Michael Shirley
Information Systems and Operations ............................................................ Dr. Saba Bahouth
Management ................................................................................................... Dr. K. J. Tullis
Marketing ........................................................................................................ Dr. Stacia Wert-Grey
Military Science ............................................................................................... LTC Talbot Flowers

College of Education
Advanced Professional Services ....................................................................... Dr. Joann McCarthy
Curriculum & Instruction .................................................................................. Dr. Paulette Shreck
Human Environmental Sciences ........................................................................ Dr. Tana Stufflebean
Kinesiology and Health Studies ....................................................................... Dr. Donna Cobb
Occupational & Technology Education .......................................................... Dr. Gayle Kearns
Professional Teacher Education ....................................................................... Dr. John Westerman
Psychology ....................................................................................................... Dr. Michael Knight
Special Services ............................................................................................... Dr. Barbara Green

College of Liberal Arts
Communication .................................................................................................... Dr. Jack Deskin
English ................................................................................................................ Dr. Stephen Garrison
History & Geography ......................................................................................... Dr. Kenny Brown
Humanities & Philosophy .................................................................................. Dr. Stephen Law
Journalism .......................................................................................................... Dr. Terry Clark
Modern Languages, Literatures, and Cultural Studies ...................................... Dr. Rudolf Nollert
Political Science ................................................................................................. Dr. Louis Furmanski
Sociology, Criminal Justice, and Substance Abuse Studies ......................... Dr. David Ford

College of Mathematics and Science
Biology .................................................................................................................. Dr. Peggy Guthrie
Chemistry ............................................................................................................. Dr. James Dechter
Computing Science ........................................................................................... Dr. Bill McDaniel
Funeral Service .................................................................................................. Dr. Chris Burkey
Mathematics & Statistics .................................................................................. Dr. Charles Cooper
Nursing ................................................................................................................ Interim, Ms. M. Linda Steele
Physics and Engineering .................................................................................... Dr. Ronald Miller

Jackson College of Graduate Studies and Research
Director of Grants ............................................................................................... Ms. Gerry Cherry
Introduction to UCO
Introduction to UCO

Academic Resources
The University offers assistance to strengthen academic skills through various academic and computer laboratories on campus.

Academic Support Center, located in Thatcher Hall, Room 106, offers computer tutorials supporting general education classes, as well as math, and English tutors.

Accreditation
The University of Central Oklahoma is accredited by the Higher Learning Commission, formerly the North Central Association of Colleges and Schools and by the National Council for the Accreditation of Teacher Education for the preparation of elementary and secondary teachers and school service personnel as a bachelor’s and master’s degree granting institution.

BBA and MBA degree programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

The M.A. in Psychology is accredited by the North American Association of Masters in Psychology (NAMP) and hold membership in the Council of Applied Master’s Programs in Psychology (CAMPP).

In addition, the University is affiliated with the American Association of Colleges for Teacher Education, the Association of Teacher Education Institution, the American Association of University Women, the American Council on Education, the North Central Conference on Summer Schools and the State Board of Education.

Specialized accreditation has been granted by the National League for Nursing, and the American Chemical Society.

The Speech-Language Pathology program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

The Music Department is accredited by the National Association of Schools of Music.

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

Campus and Buildings
From an original grant of 40 acres, the campus is currently 210 acres, located four blocks east of the business district of Edmond. Please see map, inside back cover of this catalog, for building locations.

Computer Labs
Computer labs for student use are listed as follows:

Cyber Cafe, Second floor of Nigh University Center, College of Arts, Media & Design--Music computers, Jazz Lab Building, 100 E. 5th Street, Edmond, OK. between Littler and Boulevard Streets. Art labs, Art building, Multi-

media Presentation lab, Art Building, Room 107;
College of Business Administration, Business Building, Rooms 109 and 111;
College of Education, Education Building, Rooms 110 and 112; and in Evans Hall, Room 007;
College of Liberal Arts, Liberal Arts Building: Foreign Language and Mac Lab, Room 223; Student lab, Room 119; Journalism lab, Room 215;
College of Math and Science, Math and Computer Science Building: Room 100; Computing Science, Room 119; three locations in Howell Hall, in the departments of Biology, Chemistry and Physics.

Information Technology, Max Chambers Library, 1st floor, SE Corner;
Information Technology Terminal Rooms, Math/Computing Science Building, Rooms 121 and 126;
Reading lab, Max Chambers Library.
For more information regarding these labs please contact the Academic Support Center, located in Thatcher Hall, Room 106 or call 974-2520.

Family Educational Rights and Privacy Act
Public Directory Information and Student Access to Official Educational Records
The University of Central Oklahoma designates the following student information as public or directory information:

Category I—Student’s name, local and permanent address, e-mail address, home number(s), classification, dates of attendance at UCO, enrollment status (full time, half time, or less than half time).

Category II—Major field of study/degree program, educational institutions previously attended, degrees and awards granted, educational background degree(s) held and dates granted and institutions granting such degree(s).

Category III—Date and place of birth, participation in officially recognized organizations, activities and sports weight and height of participants in officially recognized sports.

This information may be disclosed by the institution for any purpose, at its discretion.

Students may withhold disclosure of any or all categories of directory information under the Family Educational Rights and Privacy Act of 1974. Forms requesting the withholding of “Directory Information” are available in Enrollment Services, NUC 124.

The University of Central Oklahoma assumes approval for disclosure unless a student specifically requests the withholding of “Directory Information”.

In accordance with the Family Educational Rights and Privacy Act of 1974, it is the policy of the University to release personally identifiable information from the educational records of a student, without written consent, to university officials, i.e. faculty, staff and agents of the University having responsibility for working with that student in admissions, registration, advisement, counseling,
teaching, financial aid, payment of fees or any other activity directly related to the student’s academic program, or pursuant to law or governmental regulation.

Attempts by other individuals or organizations to access student records without the express written consent of the student are considered a violation of University policy/federal law. Examples of violations include, but are not limited to: 1) illegally accessing information from student or faculty information terminals; 2) misrepresenting themselves to obtain another student’s transcript, semester grades, or class registration; 3) using a student’s I.D. number without his/her permission to gain access to other University services.

Family Educational Rights & Privacy Act of 1974: Notice

In accordance with the Family Educational Rights and Privacy Act of 1974, as amended, eligible students are entitled to access official educational records directly related to the student, including the right of inspection and review.

For records kept in Enrollment Services, requests for access should be directed to Enrollment Services in accordance with University regulations. (Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954 are entitled to access to official educational records of that student.)

Family Educational Rights and Privacy Act of 1974 - Access Rights

The right of access shall include:

A. The right to be provided a list of the types of educational records maintained by the institution and directly related to students;
B. The right to inspect and review the content of those records;
C. The right to obtain copies of those records, which may be at the expense of the eligible student or parent. Parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954 are entitled to access to official educational records of that student;
D. The right to a response from the institution to reasonable requests for explanations and interpretations of those records;
E. The right to an opportunity for a hearing to challenge the content of those records under subpart III of this part; and
F. The right to inspect and review or to be informed of specific information about themselves which is contained in any material or document on more than one student.

Financial Aid for Graduate Students

Service Representatives are available for assistance with general financial aid needs. Service Counselors are available for in-depth assistance in obtaining financial aid.

The UCO Office of Student Financial Aid is located in Room 141 of the Nigh University Center. A full-time staff is available to assist students needing further information. Call (405) 974-3334, or FAX (405) 340-7658.

Students’ Rights and Responsibilities Regarding Financial Aid

Rights - each student has the right to ask a school:
A. What is the cost of attending, and what is the policy on refunds to students who drop out?
B. What financial assistance is available?
C. What are the procedures and deadlines to submit applications for each available financial aid program?
D. What criteria is used to select financial aid recipients?
E. How does a school determine financial need?
F. How and when do students actually receive the aid?
G. When a student has been turned down for financial aid, will the school reconsider if a student’s financial circumstances have changed?
H. How does the school determine whether the student is making satisfactory progress, and what happens if he is not?
I. To explain each type and amount of assistance in the financial aid package.

Responsibilities - it is the student’s responsibility to:
A. Review and consider all information about a school’s programs before enrolling;
B. Complete the financial aid application accurately, and submit it on time to the right place. Errors can delay or prevent a student’s receiving aid;
C. Meet all deadlines for applying or reapplying for aid;
D. Provide all additional documentation, verification, corrections, and/or new information requested by either the financial aid office or the agency to which the application was submitted;
E. Read, understand, and keep copies of all forms the student is asked to sign;
F. Comply with the provisions of promissory notes and other agreements the student signs;
G. Notify the school and financial aid agencies of changes in name, address, or attendance status.
Introduction to UCO

(half-time, three quarter-time, or full-time).

H. Satisfactorily perform the work agreed upon in a Federal Work Study job;
I. Understand the school’s refund policy.

Eligibility
General eligibility requirements for the federal programs include being a citizen or permanent resident of the U.S., being enrolled at least half-time seeking a degree or certificate in an eligible program at UCO, and not being in default or owing a repayment to any federal program.

In order to determine funding levels, aid applicants are classified as graduate or undergraduate students. For financial aid purposes, post baccalaureate is defined as any student who has a prior undergraduate degree. All other students are classified as undergraduates. Students who are concurrently enrolled in both graduate and undergraduate classes within any given semester or are enrolled in remedial courses will need to consult with a Service Counselor to confirm that all of these hours may be used to determine their funding level.

Financial Aid Application Procedures and Deadlines
Students are advised to apply as soon after January 1 as possible for best consideration for all aid programs.

Important Dates & Deadlines
April 30 - Oklahoma Tuition Aid Grant deadline
May 31 - UCO Early Processing Deadline for following Fall semester. (Applicants whose FAFSA is processed by this deadline will receive an award notification prior to the end of June.)

General Eligibility Requirements
In order to be considered for Federal & State financial aid students must complete the FAFSA and meet certain eligibility requirements. Some of these requirements are listed below:
1. Be a citizen or eligible non-citizen of the United States.
2. Be enrolled or accepted for enrollment as a regular student in a degree or certificate program at UCO.
3. Must not be in default or owe a repayment to any federal program.
4. Meet UCO Satisfactory Academic Progress requirements.

Cost of Attendance
The Cost of Attendance is used to determine the maximum amount of funding you are eligible to receive. Please note these costs may vary from school to school. The Cost of Attendance includes allowances for Tuition & Fees, Room & Board, Books, and miscellaneous needs for the period you are requesting assistance. The allowance for Room & Board may vary depending on where a student lives while attending college (OFF-Campus, ON-Campus, or with PARents). The tuition allowance will be based upon enrollment status (Full, Three-quarter, or half-time).

For planning purposes the following three budgets are offered as estimates of reasonable expected expenses:

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Changes in enrollment or address while in school can significantly affect your eligibility, and may require funds to be repaid. The Financial Aid office can identify enrollment changes, however it is the student’s responsibility to notify the Financial Aid office if the student address changes.

Types of Aid Programs
UCO participates in the following Federal and State Programs: Federal Pell Grant (PELL), Federal Supplemental Educational Opportunity Grant (SEOG), Federal Perkins Loan (PERK), Federal Family Education Loan (FFEL), Federal Work-Study (FWS), and the Oklahoma Tuition Aid Grant (OTAG). More detailed information about these programs can be found in the Federal Student Guide. This guide is available in the Student Financial Aid Service Center. Prospective students are urged to become familiar with these programs and how they may assist students in financing their education.

Information/Communication Services
Applicants may visit the Service Center without an appointment and receive general assistance, obtain application materials, and drop off documents. Counselors are available by referral from the Service Center for more technical assistance. Applicants are advised to obtain a UCO Student I.D. card. Access to financial aid records will be denied without this form of identification.

Beginning in February of each year, Student Financial Aid staff members will be available to assist applicants in completing their applications. They offer informational sessions intended to provide helpful information and financial aid updates throughout the year. Specific announcements of these events will be posted on the web, around campus and in the student newspaper.

Self Service Options
Telephone Access - Students may call (405) 974-3334 during office hours or they can call the automated system at 1-800-599-2145. The fax number is (405) 340-
Introduction to UCO

7658.

Web Access – Students may log in to UCONNECT. From the School Services Tab, select Broncho Central Services and then select Student and Financial Aid Records.

On-Line Access - Students may check their status by using one of the self-service terminals located on the first floor of the Nigh University Center.

Forms Outlet/Drop box - Various forms and applications are available in the self-service area located outside the Student Financial Aid Office.

Media Room – This computer lab is available to students who would like to gain access to the Internet to electronically apply for aid and/or complete loan Entrance and Exit Counseling.

See http://bronze.ucok.edu/finaid/apply_aid.htm for more information on applying for financial aid, or visit the Financial Aid office on the first floor of the Nigh University Center.

Grants

Oklahoma Tuition Aid Grant (OTAG)

The OTAG program is available to graduate students who are Oklahoma residents attending Oklahoma schools and are enrolled in at least 5 hours. The amount of the grant is determined by a calculation involving family income, number of dependents, and cost of attendance at the college.

The maximum grant at UCO is approximately $1000. The actual award is made by the Oklahoma State Regents for Higher Education, although payment to the student occurs at the university where the student is enrolled. Students must apply each year for this grant. Applications are contained within the Free Application for Federal Student Aid. For best consideration, apply by April 30.

Bureau of Indian Affairs (BIA)

BIA grants may be available to students who are one-quarter degree of Indian blood quantum or more. Specific eligibility requirements are determined by their area agency or tribal office to insure that all necessary forms and applications can be processed. The Financial Aid Office must have a completed FAFSA on file for any student processing BIA forms through UCO. It is used to determine a requested amount of funding to be made to the BIA for an individual student.

Loans

Federal Family Education Loan (FFEL)

This program offers subsidized and unsubsidized Stafford Loans and is made available to students enrolled at least halftime by private lenders such as banks, savings and loan associations or credit unions that participate in the programs. The loans are guaranteed or insured by state and/or federal agencies.

Financial Aid-Grants, Loans

Graduate students may borrow up to $18,500 per year if eligible.

Total loans cannot exceed $138,500 as a graduate or professional student (only $65,500 of this amount may be subsidized loans), including any amount borrowed as an undergraduate. The interest rate is variable and will be adjusted in June of each year on the subsidized loan. The interest rate for a subsidized loan is paid by the federal government until the student reaches repayment status. The student is charged interest on an unsubsidized loan from the day the loan is disbursed.

The loan must be repaid. Payments begin six months after the student graduates or leaves school. A student may be allowed to take up to ten years to repay the loan. In most cases the minimum repayment will be at least $600 per year. Repayment may be deferred if the borrower returns to school at an eligible institution.

In Oklahoma the Guaranteed Student Loan Program is the primary guaranteeing agency for the FFEL Program.

Appropriate forms and further information are available from the Office of Student Financial Aid. These loans must be viewed as a portion of the total financial aid package and must be coordinated with any other aid the student may receive.

A loan origination fee is charged on all these loans and will be deducted from the loan proceeds.

Federal Perkins Student Loan

Perkins Loan is an aid program available to students who show demonstrated financial need for the funds. Students must be enrolled to be eligible for the program. These funds are borrowed from the institution and repaid to the institution. If funds are available, the student may borrow up to $4000 per year for undergraduates and $6,000 per year for graduates.

Graduate students may borrow up to $40,000 including any amount borrowed under Perkins Loan for undergraduate study. Priority funding is given to previous UCO borrowers.

Repayment begins nine months after the student graduates, drops below half-time status, or leaves school. This period is called the grace period. The minimum monthly repayment is $40. All Perkins/NDSL borrowers must repay at the minimum rate of at least $40 per month even though the calculation of the loan indebtedness may indicate a lesser amount. The student may be allowed up to ten years to pay back the loan. Students are billed monthly by the school during repayment.

During the repayment period the student is charged 5% interest on the unpaid balance of the loan principal. Repayment is an obligation the student assumes when signing the promissory note.

The student must notify the Student Loan Collection Office, NUC, Room 136, of change in name or address.
and supply requested information as needed for a complete loan file. The student must complete an exit interview during the last semester of enrollment at UCO.

Deferment privileges are available to students who maintain at least halftime student enrollment status after having borrowed at UCO. A student deferment form must be filed with the Student Loan Collections Office for each semester of enrollment at another institution that certifies attendance at that new school. The filing of the deferment form is the student’s responsibility. Cancellation privileges are available to students who subsequently enter the teaching field and teach in designated schools or programs that are eligible for teacher cancellation on the Perkins/NDSL program. Some military cancellations are available for specified circumstances. Other cancellation options are provided for Law Enforcement and Correction Officers, Nurses and Medical Technicians, and some child and family service workers.

Repayment of the Perkins/NDSL is a serious long-term obligation. The institution will exercise all due diligence in recovering loan funds that are due to the program. The amount that a student repays is subsequently "reloaned" to other students who are currently enrolled and in need of the loan program.

Disbursement of Aid
For purposes of receiving assistance at UCO, the disbursement refers to the date funds are sent to UCO. Release which is generally one week later, refers to the date funds are released to you. If an award letter includes scholarship and grant awards, these funds will be applied to your account when you enroll.

Awards restricted to cover tuition will be applied before any unrestricted awards are accessed. Unrestricted awards may be used as credit at the bookstore beginning three weeks before classes start through the end of the add/drop period. Remaining funds will be released later in the semester, unless the award source indicates otherwise.

Federal and state funds, which include Pell, SEOG, OTAG, Stafford, and Perkins loan funds in excess of direct cost to the University (tuition/fees and full housing), are released beginning the first day of classes. Therefore, bookstore credit cannot be provided for these programs. To be eligible to receive funds on the first day of classes, applicants must be enrolled and award notice received at least two weeks before the first day of classes.

After the initial first day release period, funds will be made available on a weekly basis, generally Mondays, if applicants were enrolled and awarded by the close of business the previous Monday. Changes in enrollment after aid has been awarded may constitute a re-evaluation of eligibility that could warrant repayment in certain programs. Direct deposit is a highly recommended option for release of funds. If interested, please contact the Bursar's office for more details. Applicants will need to secure a valid UCO I.D.

Satisfactory Academic Progress–Financial Aid
The Office of Student Financial Aid will review academic progress at the end of each semester. Please read the following information carefully for it provides the requirements for continued eligibility.

Duration of Eligibility: Students enrolled in master’s programs are granted financial aid consideration through 48 hours of attempted study (this includes any required undergraduate prerequisites). These maximums include all hours attempted at UCO and all other post-secondary institutions whether or not financial aid was received for those hours. All grades of I, X, T or W are considered attempted and are counted in these totals. Students who reach these maximums without completing a degree program will be denied further financial aid consideration.

Completion Requirement: Students are expected to complete all classes in which they are enrolled each semester. The minimum number of credit hours students must earn each semester is shown below.

Graduate Schedule:
If student enrolls in: Student MUST complete:

- Full-time (9 or more hours) 9 hours
- Part-time (5 - 8 hours) 5 hours

Failure to complete the required number of hours in a semester will cause the student to be placed on probation in their subsequent semester at UCO. (See Probation below.) “No Record” drops in enrollment will not result in a Probationary status, but may result in repayment to a federal and/or state program.

Grade Point Average Requirement: Graduate students must maintain an overall graduate GPA of 3.00 and a 3.00 semester GPA. Failure to maintain the required GPA each semester will result in the student to be placed on probation in their subsequent semester at UCO. (See Probation)

Probation: Students who do not maintain the required GPA and/or completion requirements (either at UCO, or transferring to UCO) will be placed on probation in their subsequent semester at UCO. During that probationary semester, students must successfully complete the number of credit hours which correspond to the enrollment status at which they are funded for that term (see Completion Requirements above) AND must earn the required GPA. Students who fail to maintain these requirements during the probationary semester will be denied financial aid.

Appeal Process: Students who have been denied federal financial aid and believe they have substantial extenuating circumstances that prevented their success are welcome to request reconsideration. Appeals are made in writing (forms are available at the Financial Aid
Introduction to UCO  

Service Center), and must be accompanied by appropriate documentation to substantiate the basis of the appeal. The deadline for appeals is the third Friday of each month. An Appeals Committee, composed of UCO faculty and staff will review the written appeal. The decision of the committee is FINAL. Students will receive written notification of the appeal results within 10 days of the submission deadline.

Re-Establishing Satisfactory Academic Progress: Any graduate student whose eligibility for federal financial aid has been terminated due to deficiencies in GPA or completion requirements may reestablish satisfactory academic progress by completing 9 hours with a 3.0 GPA. The student should notify the Financial Aid Office after reestablishing satisfactory progress by submitting a written request for review and reinstatement.

Repayment
A student who withdraws from the university may owe a pro-rated repayment for federal financial assistance received for that semester. The amount of the repayment will be contingent on the time of withdrawal and the amount of assistance received. If the student received a student loan any time, he must be prepared to do an exit interview. At the time of withdrawal, aid recipients should contact the Student Financial Aid Office.

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 $6.00 I.D. fee at first enrollment, to be paid at the Bursar's counter.

Information Technology
The Office of Information Technology directs the departments of Computing Services, Consulting, and Telecommunications to offer students a wide range of services to enhance their education. Free computer applications training is available for students to learn how to use the campus e-mail system and other popular software. The Computer Help Desk, ext. 2255, answers questions regarding software usage, including telephone support for troubleshooting when setting up a modem for dial-in access from home.

Liability and Responsibility Notice
Whether enrolled in an on-campus class or in a UCO internship, practicum, course or activity involving domestic or foreign travel, you are responsible for your own medical treatment and are liable for your own actions. In the event of your injury or illness while participating in a UCO spon-

ID Cards-Scholarships
sored activity, UCO cannot approve a claim for treatment or reimbursement. Information on insurance is available in the Office of the Vice President for Student Services. Also, a number of reasonably priced insurance policies are available from the private business sector. We strongly encourage you to invest in the appropriate coverage.

Living Accommodations
University owned housing is maintained for the convenience of both married and single students. Full-time students who are married and/or graduate students may apply for apartment housing. Murdaugh Hall is an upper class and graduate student study-intensive dormitory.

For our students with families, the Broncho apartment complex consists of 134, two bedroom apartments. Each complex has a playground, laundry room and common area. The Family/Graduate Apartments are located close to campus for convenience and are reserved for full-time married and graduate students currently pursuing a degree.

The University Commons offer two-bed and four-bed fully furnished apartment units. A clubhouse is located on-site for the convenience and comfort of the residents. Each resident has a private bedroom equipped with local phone service, high-speed Internet access and cable TV jacks.

All residence halls are smoke-free. All residence hall rooms are cable television ready and students may contract with the local cable company for service. Each student room is provided with local phone service; however, the resident will need to furnish a touch-tone phone. After check-in, mailboxes will be assigned at the United States Postal Contract Station in the Nigh University Center.

The University has several meal plans and dining facilities from which to choose. Central Cafeteria, is connected to West Hall with a covered walkway. The Food Court, Convenience Store, and Oklahoma Room restaurant are located on the second floor of the Nigh University Center.

Location
The University of Central Oklahoma is located in Edmond, Oklahoma, on the northern edge of the greater Oklahoma City metropolitan area, near the state capital, making it immediately convenient to all the social, cultural, and entertainment advantages of Edmond and Oklahoma City.

The University of Central Oklahoma offers live theater, opera, classical concerts, modern dance recitals, Broadway revues and world-renowned guests to the UCO campus. Students may take advantage of these cultural opportunities for a modest price by showing their student IDs.

Edmond is five miles north of the Oklahoma City end of the Turner Turnpike, on Interstate 35. I-235, commonly
Introduction to UCO

called the Broadway Extension, connects the University to Oklahoma City, only minutes away.

Parking
A student who plans to park his/her vehicle on campus must display a parking permit. A current License Plate number is required to purchase a parking permit. Students may purchase permits annually, by the semester or a temporary permit may be purchased for a week. Students may purchase the parking permit from the Parking Services Office, located in the Nigh University Center, Room 309.

Scholarships
Deadline for application is April 1 of each year.
The Office of Academic Affairs offers Tuition-Waiver Scholarships for graduate as well as undergraduate students at UCO.
Requirements are: Oklahoma residency, minimum 2.50 GPA, enroll as a full-time student (graduate students: 9 graduate hours; undergraduates 12 hours). Application forms are available on the UCO website at http://www.busn.ucok.edu/academicaffairs/forms.htm or in the Office of Academic Affairs, Lillard Administration Building, Room 228, phone 405-974-3371. Current college or university transcripts must be attached. Mailed applications must be postmarked by April 1. Late or incomplete applications will not be considered.

Department Scholarships
Many academic departments at UCO offer scholarships to students majoring in those areas who display financial need, exceptional scholastic ability or talent in a particular area. Please contact the individual departments for more information.

Senior Citizens
A waiver of tuition and fees is available for senior citizens age 65 and older who want to audit college courses. For more information, contact the Office of Prospective Students Services/Scholarships at (405) 974-2272.

Student Services
The goal of the Division of Student Services is to help each student effectively deal with all of the options available and to find their own place within the academic community. Students at the University of Central Oklahoma are considered as unique human beings with specific goals, needs, concerns, and desires. Student services are designed to supplement the classroom experience and enrich the quality of campus life.
Students are invited and encouraged to consult with personnel in any of the Student Services’ units. By doing so, students will make an easier adjustment to college life and gain maximum benefit from their college experience.

Senior Citizens-Student Services

The component units of the Division of Student Services reporting to the Vice President for Student Services are:
Career Services, Counseling Services, International Student Services, Multicultural Student Services, Prospective Student Services/Scholarships Residence Life, Student Activities, Student Health Center, Testing Services, Y-Chapel of Song. Some of these services are explained below.

The Writing Center
The Writing Center offers free writing tutoring to all undergraduate and graduate students. To schedule an appointment, students should call 974-2520 or visit Thatcher Hall, Room 106. Appointments are 30 minutes in length and a student may schedule up to two appointments a week.
In the Writing Center, students will receive help during any stage of the writing process: brainstorming, outlining, rough and final drafts, and revisions.

The Academic Support Center also offers other services including the following: math tutoring, preparation for the GMAT, GRE, CPT, PPST as well as the ACT and SAT, campus conversation groups, study skills resources and workshops. For more information, check the website at www.asc.ucok.edu.

Counseling Center
The University of Central Oklahoma’s Counseling Services, Room 402, Nigh University Center, is designed to aid students in coping more effectively with academic, career and personal concerns. Services available include: personal counseling, support groups, academic support, and substance abuse issues. A staff of counselors provides a full range of short-term developmental counseling services. The Center is open weekdays, 8 a.m.-5 p.m. Appointments are scheduled in advance. Emergencies will be seen as soon as possible. Schedule by telephone (405) 974-2215.

Multicultural Student Services
The University of Central Oklahoma has a commitment to meet the special needs of its students of color (African American, American Indian, Asian American, Hispanic American). Services and programs are coordinated through the Office of Multicultural Student Services.
The primary goals of Multicultural Student Services are to be active in the recruitment, retention, and graduation of UCO students and to remain in compliance with the University’s Social Justice Plan.
The program design includes peer counseling, professional counseling, study skills workshops, cultural awareness programs, scholarship opportunities, career development and leadership programs.
Every effort is made by Multicultural Student Services to meet the needs of all students of color, promote their
Introduction to UCO

cultures, and act as a liaison between university administration and the ethnic minority student populations.

A professional and student staff are available for consultation and assistance. Multicultural Student Services, a division of Student Services, is located in the Nigh University Center, Room 424.

Students with Disabilities

Sections 503 and 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 require the University to make reasonable accommodations in providing students with disabilities access to equal educational opportunity. In compliance with this law, programs have been established to assist students with special needs.

Students with disabilities who require accommodations may contact the campus Equity/Affirmative Action Office (Administration Building, Room 210, Ext. 2573) to request assistance. Students must provide documentation regarding their disabilities and request for accommodation to the Equity/Affirmative Action Office prior to receiving services. Reasonable accommodations are based on the individual needs of the student.

The Equity/Affirmative Action 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 Equity/Affirmative Action Office.

For further information, contact the office in the Administration Building, Room 210, or at (405) 974-2573.

Transcripts-Vocational Rehabilitation

Transcripts (Official) Free of Charge

Official transcripts can be obtained in Room 124, 1st floor in the Nigh University Center.

Written requests should be submitted to the:
University of Central Oklahoma
Academic Records
100 N University Drive, Box 151
Edmond, OK 73034-5209
or Fax request: (405) 341-4964.

The written or faxed request must include
1) Full name or any other name used when attending here
2) Student ID# or Social Security number
3) Date of Birth
4) Dates attended at UCO
5) Address
6) Copy of photo ID with birthday.

Veteran Assistance

UCO maintains a full-time Veterans Affairs Office 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.

Vocational Rehabilitation

A Vocational Rehabilitation office is located at 1701 E. 2nd Street, Suite C, Edmond, OK, (405) 341-1400. All students seeking vocational rehabilitation assistance must be processed and cleared through that office each term. Please contact this office directly about eligibility requirements.
Admission to
Dr. Joe C. Jackson
College of Graduate Studies & Research
## Minimum GPA Requirements for Admission to Graduate Studies at UCO

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</tr>
<tr>
<td>Educational Administration - M.Ed.</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Elementary Education - M.Ed.</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Human Environmental Sciences - M.S.</td>
<td>2.75 3.00</td>
</tr>
<tr>
<td>Family &amp; Child Studies</td>
<td>2.75 3.00</td>
</tr>
<tr>
<td>Nutrition &amp; Food Mgmt.</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Instructional Media - M.Ed.</td>
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</tr>
<tr>
<td>Library Information</td>
<td>2.75 2.75</td>
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<tr>
<td>Applied Technology</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Professional Health Occupations - M.Ed.</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Psychology - M.A.</td>
<td></td>
</tr>
<tr>
<td>General/Experimental</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Counseling</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>School Psychology</td>
<td>2.75 2.75</td>
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<tr>
<td>Reading - M.Ed.</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Special Education - M.Ed.</td>
<td></td>
</tr>
<tr>
<td>Mild/Moderate</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Severe-Profound/ Multiple Disabilities</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Speech/Language Pathology - M.S.</td>
<td></td>
</tr>
<tr>
<td>Wellness Management - M.S.</td>
<td></td>
</tr>
<tr>
<td>Health Studies</td>
<td>2.50 2.50</td>
</tr>
<tr>
<td>Exercise Science</td>
<td>2.50 2.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall GPA</th>
<th>GPA last 60 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program - Degree</td>
<td>2.75 2.75</td>
</tr>
<tr>
<td>Overall GPA</td>
<td>GPA last 60 hours</td>
</tr>
<tr>
<td>Program - Degree</td>
<td>2.75 2.75</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>College of Liberal Arts</th>
<th>GPA last 60 hours</th>
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</thead>
<tbody>
<tr>
<td>English - M.A.</td>
<td></td>
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<tr>
<td>Composition</td>
<td>2.50 2.50</td>
</tr>
<tr>
<td>Contemporary Literature</td>
<td>2.50 2.50</td>
</tr>
<tr>
<td>Creative Writing</td>
<td>2.50 2.50</td>
</tr>
<tr>
<td>Traditional Studies</td>
<td>2.50 2.50</td>
</tr>
<tr>
<td>Teaching English as a Second Language</td>
<td>2.50 2.50</td>
</tr>
<tr>
<td>History - M.A.</td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>2.50 and 2.75</td>
</tr>
<tr>
<td>Museum Studies</td>
<td>2.50 and 2.75</td>
</tr>
<tr>
<td>Social Studies Teaching</td>
<td>2.50 and 2.75</td>
</tr>
<tr>
<td>Political Science - M.A.</td>
<td></td>
</tr>
<tr>
<td>General, Public Affairs</td>
<td>2.75 3.00</td>
</tr>
<tr>
<td>International Affairs</td>
<td>2.75 3.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>College of Mathematics &amp; Sciences</th>
<th>GPA last 60 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Mathematics and Sciences - M.S.</td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td>3.00 and 3.00</td>
</tr>
<tr>
<td>Math/Comp. Sci. Teaching</td>
<td>3.00 and 3.00</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.00 and 3.00</td>
</tr>
<tr>
<td>Statistics</td>
<td>3.00 and 3.00</td>
</tr>
<tr>
<td>Biology - M.S.</td>
<td>2.50 and 3.00</td>
</tr>
<tr>
<td>Forensic Science - M.S.</td>
<td></td>
</tr>
<tr>
<td>Criminalistics</td>
<td>2.75</td>
</tr>
<tr>
<td>Nursing</td>
<td>2.75</td>
</tr>
<tr>
<td>Technology Investigations</td>
<td>2.75</td>
</tr>
<tr>
<td>Engineering Physics - M.S.</td>
<td>3.00 and 3.00</td>
</tr>
</tbody>
</table>
Graduate Studies

Application through the Jackson College of Graduate Studies and Research

Graduate admission to the University of Central Oklahoma is approved by the Jackson College of Graduate Studies and Research, Room 404, Nigh University Center.

Applicants must submit the following:
1. UCO Application packet for Graduate Admission.
2. Official copies of undergraduate and graduate transcripts from each institution attended, with all degrees posted. The bachelor's degree must be from an accredited Institution.
3. $25.00 application fee, paid at the Bursar's office, first floor, Nigh University Center, for the following students who:
   a. Are new and first time to UCO;
   b. Have not been enrolled at UCO for one year or longer;
   c. Are moving from special admission to regular admission, regardless of whether they have been continuously enrolled;
   d. Are moving from regular undergraduate admission to application for graduate admission;
   e. Were academically suspended or suspended for disciplinary reasons and are applying to return to UCO, regardless of length of dismissal.
4. Any other program requirements.

The application form can be obtained from the Jackson College of Graduate Studies and Research, through the university website at http://www.ucok.edu/graduate/index.htm

In order to be admitted to a specific graduate program, the applicant must meet with the Graduate Advisor for that Program (listed on page 5-6), and submit a signed form, "Recommendation for Admission to the Jackson College of Graduate Studies and Research." (available on the website and in the Jackson College of Graduate Studies and Research office.)

The Undergraduate GPA will be used to obtain eligibility for graduate admission. If an applicant does not meet the GPA admission requirements of 2.50 for non-degree admission or program requirements as listed opposite, he/she may take additional undergraduate courses to raise the undergraduate grade point average and then apply for admission to graduate studies when the minimum overall GPA for the program has been achieved.

Admission to Graduate Studies

A. Apply for admission to the Jackson College of Graduate Studies and Research, NUC Room 404.
B. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the Jackson College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, and fulfillment of all qualifications for eligibility, the Jackson College of Graduate Studies and Research will admit the student for graduate studies.
C. Complete all prerequisites, if any, as determined by the graduate advisor.
D. The student and the graduate advisor will work out a formal Plan of Study during the student's first semester of graduate work. A signed, completed copy of this plan of study must be filed with the advisor and the Jackson College of Graduate Studies and Research before completion of the first semester.
E. The student is admitted for the semester in which he/she applied. If the student does not enroll for that semester, he/she must request in writing to defer his/her admission to the following semester within 30 days after the semester starts, or reapply the following semester.
F. If a student has not been enrolled for one full year, he/she must apply for readmission to the Jackson College of Graduate Studies, and must meet the program requirements at the time of the later application.

Advanced Standing Examinations

Advanced standing examinations may not be taken for graduate credit.

Advisement

Advisement of graduate students is the responsibility of the Graduate Advisor. As part of the admission process to the Jackson College of Graduate Studies and Research, a student must meet with the advisor from the selected program to determine if the student is eligible for the program, and to develop a plan of study. It is important that the student work closely with the advisor to ensure that program requirements are met.

Graduate Advisors are not always on campus during semester breaks. If advisement is required during these times, students should make appointments to ensure that the advisor is available.

Auditing Courses

Graduate courses may be taken for audit, with written permission from the instructor. Audit courses will not:
• count toward degree requirements,
• count toward the GPA.

In addition, the instructor of the audit course is not obligated to grade or evaluate the course work or performance of an auditing student.

The student receives no credit for audit of classes. Fees are the same for audit as for credit. Students may not drop courses for audit and pick them up for credit at the end of enrollment. The only admission material needed for audit is a completed admission form.
Graduate Studies

Changes in Degree Requirements
Changes in master’s degree requirements, unless otherwise stated, are applicable to new graduate students enrolling at the University of Central Oklahoma, and as far as practical, to graduate students already enrolled.

In no case shall the University of Central Oklahoma be obligated to make graduate degree requirements in effect at the time of the student’s first enrollment at UCO applicable to that student for more than six years from completion of the first semester of graduate work.

Graduate degree requirements in effect at the time of the graduate student’s first enrollment will remain in effect for six years.

The plan of study, once approved and agreed upon, will not be changed by succeeding changes in the degree program without agreement by both the student and the advisor. Students who have not enrolled for one year will be required to meet current degree standards.

Comprehensive Exam
For those departments requiring a comprehensive exam for the master’s degree, it is to 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.

Correspondence Courses
No credit earned by correspondence will apply toward a graduate degree.

Course Load Limits
Graduate students may enroll in no more than 12 hours during a fall or spring semester (16 weeks) and 9 hours during the (8 week) summer. If advance written approval is obtained from the Graduate Dean, a student may enroll in 15 graduate credits during a regular semester, or 12 hours during the summer term. Overload permission forms are available in the Jackson College of Graduate Studies and Research. All on-campus courses, workshops, intercessions, institutes, and course work taken electronically or at other institutions are included in this total. Only three hours of intersession credit are allowed per semester.

Graduate enrollments above this maximum will not be applied toward a master’s degree at the University of Central Oklahoma. The maximum number of mixed enrollment (graduate and undergraduate) credits in which a student may enroll is eighteen (18) hours per regular semester, with 12 hours of graduate credit courses, and 12 hours in the summer, with an 8-hour maximum for graduate credit.

Graduate students on academic probation can only enroll for a maximum of NINE graduate hours.

Credit Hour Requirements
A course taken for fewer hours than indicated in the degree requirements may satisfy the course requirement but not satisfy the hours requirement.

Degrees
The University of Central Oklahoma offers the following degrees:
- Master of Arts
- Master of Business Administration
- Master of Education
- Master of Fine Arts
- Master of Music
- Master of Science

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.

Electronic Delivery of Courses
Credit offered electronically by UCO is residence credit. Students working toward graduate degrees at UCO may be permitted to apply credits from other institutions, earned via electronically transmitted courses, as transfer credits, provided the courses apply to the program.

Enrollment
Enrollment at the University of Central Oklahoma begins in April for the Summer and Fall Semesters, and November for the Spring Semester. Graduate students in good standing may begin their enrollment on the date described in the published Class Schedule for the respective semester. Enrollment is conducted on the first floor of the Nigh University Center or on the UCO website at http://central.ucok.edu/

Students should refer to the Class Schedule to determine dates and times of enrollment, payment and late fee dates, thesis deadline dates, application for graduation dates, and other enrollment information.

Enrollment Status (Full time, half time)
The Jackson College of Graduate Studies and Research uses the following schedule when determining full time, three-quarter time, or one-half time graduate student status:

<table>
<thead>
<tr>
<th>Enrollment Status</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring &amp; Fall semesters:</td>
<td>9 graduate hours</td>
</tr>
<tr>
<td>Summer semester:</td>
<td>5 graduate hours</td>
</tr>
</tbody>
</table>
Graduate Studies

Three-quarter time:
Spring & Fall semesters: 6 – 8 graduate hours
Summer semester: 3 – 4 graduate hours

One-half time:
Spring & Fall semesters: 5 graduate hours
Summer semester: 2 graduate hours

Exceptions and Waivers
Exceptions or waivers to any Graduate Studies requirement must be formally requested in writing and approved by the Graduate Advisor and the Graduate Dean.

Grading System
The University of Central Oklahoma uses the 4.00 scale to calculate grade-point averages; that is, an "A" yields four points per credit hour, a "B" yields three points, a "C" yields two points, a "D" yields one point and an "F" yields zero points. UCO does not recognize pluses or minuses in calculating grade point averages. If an applicant's prior college or university uses a different scale, the grade-point average must be converted to the 4.00 scale to determine whether the applicant meets University of Central Oklahoma grade-point requirements for admission. All references to grade-point averages are based on a 4.00 scale. References to credit hours are to semester credit hours.

For the purpose of distinguishing between the ranks of scholastic attainment, the following system of grading is used at the University of Central Oklahoma.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>NOTE</th>
<th>POINTS/HOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Below Average</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
</tbody>
</table>

Grades not used in calculating Grade Point Average
<table>
<thead>
<tr>
<th>GRADE</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Symbols Used to Indicate Course Status
P—Passing: for workshops, student teaching, activity/physical education courses, extra-institutional examinations, and completion of thesis.
S—Satisfactory: for 0-level (non-collegiate and/or developmental) courses.
U—Unsatisfactory: for 0-level (non-collegiate/developmental) and activity/physical education courses. Indicates the student's level of understanding is not sufficient to take the next level of course work.
F—Failure: when students complete the term but 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 and is allowed to drop or withdraw after the established deadlines.
I—Incomplete: used at the instructor’s discretion to indicate that additional work is necessary to complete a course. Starting with "I"s recorded in the Spring 1984 semester, the "I" must be made up within one year of the semester for which it was recorded.
W—Withdrawal: a grade of "W" is recorded when a student initiates a withdrawal by the established deadline. This grade may be assigned for a student who is allowed to drop or withdraw beyond the established deadline and who is considered to be passing the course.
N—Not Reported: Instructor failed to submit grades by the established deadline.

Grade-point Average
A graduate grade-point average of 3.00, or B, in all work attempted is required for the completion of the degree. No grade below C is acceptable for graduate credit and not 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.

Grade Appeal Process
Step I—Direct discussion with the instructor and the department chairperson.
The graduate student must contact the instructor who assigned the grade as well as the department chairperson and attempt to resolve the matter informally within the first four class-weeks of the next semester in which the student is enrolled. If the student does not subsequently enroll in classes, a grade appeal must be filed within one calendar year after the disputed grade is assigned.

Step II—A hearing before the College Grade Appeals Board
If the student is dissatisfied after having completed Step I, the student has four class weeks in which to submit a signed Petition of Appeal to the dean of the college involved. The petition must:
A. identify the student, instructor, course name, number and section,
Graduate Studies

B. state the reason for the appeal, and
C. justify the student’s position.
Pertinent documentation must be attached and a specific remedy sought.

Hearings
All hearing boards shall convene within two class weeks after receipt of a petition by the Dean of the college involved or the Vice President for Academic Affairs and make their recommendations within seven class days after the final meeting.

All appeals boards shall follow the latest edition of Robert’s Rules of Order with respect to procedure, except where this document provides specific alternative instruction. Members must always proceed in a manner which provides both parties due process. All hearings and records thereof are confidential. Hearings shall be recorded and a copy retained for three years. A copy of the tape(s) shall be supplied to either party upon request. Both parties shall have the right to the active support of legal counsel at any hearing and for sufficient advance notice of any hearing in order to arrange for the presence of counsel.

The Board’s written recommendation must include grounds for its decision and have approval of a majority of the members of the Board. All members must sign the recommendation, but a minority report may be attached as a statement of reservations or a dissenting opinion.

UCO boards hearing grade appeals must:
(1) obtain prior written and dated consent from the student allowing committee review of student records at grade appeal hearings.
(2) obtain prior written and dated consent from the student if witnesses are allowed to remain in the room and hear information from the student records at grade appeal process. If the student refuses to give written consent to the witnesses hearing information from the student’s educational records, the witnesses must be asked to leave the room after giving their statements. (See Family Educational Rights and Privacy Act, page 14.)

The College Grade Appeals Board will evaluate the petition, allow both parties to present their positions and evidence, then present its conclusions and recommendations to the Dean and both parties.

After reviewing the proceedings of the hearing, the Dean shall make written recommendations to the student and to the instructor. The instructor shall take any action deemed correct and submit a report within seven class days to the Dean, who has responsibility to inform the student and all parties concerned of the result.

Step III–A Hearing before a Graduate Appeals Board
If either the instructor or the graduate student considers the results of Step II unacceptable, then he or she shall have ten class days from notification of the Dean’s action to submit to the Dean of the Jackson College of Graduate Studies & Research a signed petition for a hearing before a Graduate Appeals Board.

The petition must:
(1) identify the student, instructor, semester, course number and section, and
(2) state the reason for the appeal.
(3) contain the specific remedy sought by the student.

Upon receipt of a written petition for convening a Graduate Grade Appeals Board, the Jackson College of Graduate Studies and Research will review the petition and the written findings of the associated college Grade Appeals Board.

Normally, the findings of the College Grade Appeals Board will be considered final unless the graduate student or instructor presents good and sufficient reason(s) to the contrary. Simply being dissatisfied with the findings of the College Grade Appeal Board is not sufficient justification to be granted a Graduate Grade Appeals Board hearing.

The Graduate Grade Appeals Board will consist of three members of the Graduate Council Admission and Retention committee, and two graduate students in good academic standing, with the Chair of the Admission and Retention committee acting as the chair of the Graduate Grade Appeals Board, and two graduate students.

If the Graduate Grade Appeals Board is called, the body shall evaluate the petition and allow both parties to present their positions and evidence.

After deliberation of the evidence, the Graduate Appeals Board shall then present its conclusions and recommendations to the Dean of the Jackson College of Graduate Studies & Research. After reviewing the record of the hearing and recommendations of the Graduate Grade Appeals Board, the Dean of the Jackson College of Graduate Studies and Research shall notify all parties concerned of the decision.

Step IV–A Hearing Before a University Appeals Board
If either the instructor or the graduate student considers the results of Step III unacceptable, then he or she shall have seven class days from notification of the Dean’s action to submit to the Academic Affairs Office a signed petition for a hearing before a University Appeals Board.

The petition must:
(1) identify the student, instructor, semester, course number and section, and
(2) state the reason for the appeal.
(3) contain the specific remedy sought by the student.

Upon receipt of a written petition for convening a University Grade Appeal Board, the Office of Academic Affairs will review the petition and the written findings of the associated college Grade Appeal Board.
Graduate Studies

Normally, the findings of the Graduate Grade Appeals Board will be considered final unless the student presents good and sufficient reason(s) to the contrary. Simply being dissatisfied with the findings of the Graduate Grade Appeals Board is not sufficient justification to be granted a University Grade Appeals Board hearing.

The Office of Academic Affairs reserves the right to deny a student’s petition for a University Grade Appeals Board. Approval or denial of a petition will be communicated in writing to the student by the Office of Academic Affairs as soon as practical; normally within 10 business days of receiving the petition.

If the University Appeals Board is called, the body shall evaluate the petition and allow both parties to present their positions and evidence. The Board shall then present its conclusions and recommendations to the Academic Vice President. After reviewing the record of the hearing and recommendations of the University Appeals Board, the Academic Vice President shall notify all parties concerned of the decision.

The recommendations of the University Appeals Board and the recommendations of the Academic Vice President will be filed in the instructor’s personnel files at the department and college level and copies provided to both parties to the appeal.

Graduate Credit

A student admitted to the Jackson College of Graduate Studies and Research at the University of Central Oklahoma may enroll in any course offered for graduate credit for which (s)he has the prerequisites.

Graduate-level courses will not count toward undergraduate credit, regardless of the subject area.

Graduate Assistants and Research Assistants

The University of Central Oklahoma, through the Jackson College of Graduate Studies & Research, makes available approximately 65 Graduate/Research Assistantships.

Graduate Assistantships are filled through the deans of the colleges. Full-time, 3/4 time and half-time assistantships are available on a limited basis. Contact your department to apply for graduate assistantships.

Research assistants are requested by a faculty member to the Dean of the Jackson College of Graduate Studies and Research. Contact your department for research assistant information.

Applicants for assistantships must be enrolled in at least nine hours of graduate credit and be in good academic standing with the university, i.e. may not be on academic probation.

Eligibility: Full-time (9 hours) graduate student in a master’s degree program. No financial need must be demonstrated.

GRE, GMAT, GA-RA eligibility

Stipends: Earnings vary according to the category. Stipends are paid in 4 installments per semester, Sept. 30 through Dec. 30 and Feb. 28 through May 30. Rates for the current academic year are:
- Full time = $7,000/20-hr-work week/Fall and Spring
- 3/4 time = $5,250/15-hr-work week/Fall and Spring
- Half-time = $3,500/10-hr-work week/Fall and Spring

Tuition Waivers: College Deans will allocate tuition waivers based on the availability of funds. Assistants receiving other types of financial aid are not eligible for tuition waivers. Fees must be paid by the student.

Graduate Management Admissions Test (GMAT)

The GMAT 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 Sundays, holidays and the first two days of the month at the Prometric Testing Center, 2224 NW 50th, Suite 196, Oklahoma City, OK. Phone 843-8378 for appointment. For regularly updated information about the availability of test centers, call Prometric at 405-843-8378 or 1-800-473-2255.

Test bulletins for the GMAT are available in the University Testing Service, Room 302, Thatcher Hall. See the website at http://www.gmac.com for GMAT information, sample questions and testing sites.

Graduate Record Exam (GRE)

Exam scores must be submitted to the Jackson College of Graduate Studies and Research. Examination schedules and expenses are the responsibility of the student.

The degrees requiring the Graduate Record Exam and the applicable exam for each degree are:
- Biology (M.S.) Minimum combined score of 1000 on the verbal and quantitative
- Forensic Science (M.S.) Minimum combined score of 1,000 on any two of the three subscales. The analytical conversion formula is shown in the Forensic Science program information.
- Psychology (M.A.) Minimum combined score of 900 on the verbal and quantitative tests or 3.5 or higher on the written assessment.

The computer version of the GRE is offered every day except Sundays and holidays at the Prometric Learning Center, 2224 NW 50th, Suite 196, Oklahoma City, OK. For regularly updated information about the availability of test centers, call Prometric at 405-843-8378 or 1-800-473-2255.

Test bulletins are available in the University Testing Service office, Room 302, Thatcher Hall.
Graduate Studies

Graduation -- Application for Graduation

Degrees are conferred at the end of the fall, spring and summer semesters. Commencement exercises are held at the close of the fall and spring semesters. In order to apply for graduation, candidates must follow these steps.

1. Apply for graduation by the deadline stated in the class schedule for the semester in which you plan to graduate.
2. Pay the $25.00 graduation fee at the Bursar’s Counter, Nigh University Center, Room 134.
3. Submit the receipt for the graduation fee and complete an Application for Graduation in the Jackson College of Graduate Studies and Research, Nigh University Center, Room 404.

Once these steps have been completed, a final degree check will ascertain if all degree requirements have been met. The degree check will take one to four weeks, and students will be notified of the results by mail. Please contact the Degree Certification Specialist, 974-2527 if you have questions.

Approximately two weeks before graduation, applicants will receive information about the cap/gown, times, dates, and location of commencement ceremonies.

Honors

To be on the Dean’s or President’s Honor Roll, a student’s record must have no marks of “I,” “F,” or “U.” Grades of “S” and “P” are not computed in the student’s semester grade point average and will not be considered toward the number of hours required for honor roll consideration.

Dean’s Honor Roll

Graduate students who earn a 3.6 GPA, with no grade below a “B,” in a semester in which they complete nine or more credit hours of residence graduate work (five in the summer), are eligible to have their names listed on the Dean’s Honor Roll. Notification of this award is made through the appropriate dean’s office.

Graduation with Honors

The University of Central Oklahoma grants degrees “with honors” to students who complete the master’s degree with a grade-point average of 4.00 in all graduate work attempted.

President’s Honor Roll

Graduate students who earn all “A’s” in a semester in which they complete nine or more credit hours of residence graduate work (five in the summer), are eligible to have their names listed on the President’s Honor Roll. This award is made through the President’s office.

Outstanding Graduate Student

The presentation of an annual award for the “Outstanding Graduate Student” began in 1982-83. The Outstanding Graduate Student Award is based on nominations by the Graduate Faculty.

The award is based on the following criteria:

a. The student must complete the Masters Degree at UCO during the current academic year; must have an accumulated graduate grade point average at the time of selection of 3.6 or higher; and must be scheduled to complete a minimum of 24 graduate hours at UCO upon the completion of the master’s degree.

b. The Admission and Retention Committee of the Graduate Council will subjectively judge nominees in relation to information submitted by each nominee, including; participation in campus organizations, on-campus activities, community service, honors and awards, research, creative, and scholarly activities.

The E. C. Hall Graduate Award

The E.C. Hall Award is made each year to the graduate student who completes the Master’s Degree Program with the highest scholastic average. In the event that graduate GPA’s are equal, then GPA’s for the undergraduate work will be considered in addition to GRE and GMAT scores. The selection of the awardee is made by the Admission and Retention Committee of the Graduate Council.

Procedure for Selecting Awardees: Each committee member selects the best of three candidates and the common candidate from the list will be the final awardee. In the case of a tie, the committee will meet and select the final awardee.

Hours to Graduate

All masters degrees at the University of Central Oklahoma require at least 32 graduate hours. A number of graduate programs require more than 32 hours, so each student must be guided by the degree requirements for each program. Refer to the section of the Graduate Catalog which describes the degree requirements for each graduate program. If, in the opinion of the advisor, the student is deficient in certain areas, additional course work may be mandated by the advisor.

Incomplete Courses

Incomplete grades (I’s) are recorded on the transcript when class work is incomplete but can be made up at a later date, without re-enrolling or re-taking the course. No student may be failing a course at the time an “I” is assigned and the student must be eligible to complete the work and have the grade changed. When the work is completed to the instructor’s satisfaction, the instructor will initiate the grade change request. “I” grades not changed by the instructor to a credit-bearing grade, or an “F,” within one year, will remain as a permanent “I” and not contribute to the student’s GPA.
Graduate Studies

Individual Study & Directed Reading

Graduate credit may be earned as individual study or directed reading. A student is limited to four hours of credit for individual study or directed reading in any one departmental field of study, i.e. ACCT or POL. A maximum of eight (8) hours of individual study or directed reading may be applied to a degree program, with approval from the Graduate Advisor.

In-Service Training

In-service courses will be counted toward the degree only when offered through a fully accredited institution of higher education and listed on a certified transcript from that institution.

International Graduate Students

Due to the amount of time needed to process an international application, admission application deadlines are in place and are strictly observed:

- **Fall semester**: July 1st
- **Spring semester**: November 1st
- **Summer semester**: April 1st

Deadlines for applications to graduate programs vary. Please consult the program information elsewhere in this catalog for specific deadlines. If the graduate program application deadline precedes the international application deadline, the program deadline will apply. If the international graduate student application deadline precedes the program deadline, the international graduate student application deadline will apply.

While studying at the University of Central Oklahoma, an international graduate student is required to maintain full time enrollment each semester to preserve his/her Department of Immigration and Naturalization Service status as an F-1 visa holder. International students can be admitted only to a specific graduate program and course of study. International students are not eligible to enroll as non-degree students.

For the purpose of calculating the Grade Point Averages, transcripts from all other universities will be interpreted on the 4.00 scale used at UCO, which does not recognize pluses or minuses. Therefore, a B+ from another university will be given a score of 3.00 (B) for purposes of standardization and fairness to all incoming graduate students. The evaluations and decisions of International application transcripts by the Jackson College of Graduate Studies and Research are final.

To be eligible for admission to graduate studies through the Jackson College of Graduate Studies and Research, international students must have completed four years of a Bachelor’s degree after the high school diploma, or have a master’s degree from their host country. One year of diploma after a bachelor’s degree is not equivalent to a master’s degree at UCO. Eligibility and admissibility will be evaluated on an individual basis.

All students for whom English is a second language are required to meet the minimum English proficiency requirements designated by the Oklahoma State Regents for Higher Education. The applicant must submit a score of 550 or higher on the Test of English as a Foreign Language (TOEFL) paper exam, or 213 computer exam. A student not meeting the 550 requirement, may furnish proof of a TOEFL score of 500 or higher, plus proof of subsequent completion of a minimum of 12 weeks of study at an English language school operated by an institution of higher learning, or a private English language school approved by the Oklahoma State Regents for Higher Education.

Applicants with bachelor degrees from an accredited United States college or university may be admitted without meeting the English proficiency requirement.

Applicants who have attended an accredited U.S. college or university for a minimum of three full-time academic semesters of graduate level work may be admitted without meeting the English proficiency requirement.

Some graduate programs at the University of Central Oklahoma can be tailored to the unique background and needs of international students and to their home country’s professional and academic manpower needs. Individual curriculum adjustments are contingent upon the availability of staff and facilities.

International student inquiries and requests for application packets should be made to the International Office, UCO, 100 N University Dr., Edmond, OK 73034, 405-974-2930. E-mail: int-offc@ucok.edu

Intersession Credits

Intersession courses are offered between semesters in short sessions of one to two weeks. Graduate students may earn up to three hours per semester of graduate intersession credits.

New Graduate Programs

At least one-half of the hours required for the graduate degree must be completed after the program is approved and implemented by the Oklahoma State Regents for Higher Education.

Non-Degree-Seeking Students

Non-degree students are those who wish to take graduate-level courses, and are not seeking admission to a graduate program at the University of Central Oklahoma.

Non-degree students may enroll for a maximum of nine graduate hours per semester. Taking a course as a non-degree student does not constitute admission to a program or imply later applicability of these courses toward a program.

If non-degree students subsequently seek admission to work toward a degree, courses taken in “non-degree” status will be evaluated by the graduate program advi-
Graduate Studies

Non-degree students cannot change to a degree seeking status until after one full year from the time of their first graduate enrollment as a non-degree student. Exceptions to this must be appealed by the graduate student to the Dean of the Jackson College of Graduate Studies and Research, who may forward them to the Admissions and Retention Committee of the Graduate Council for recommendation and approval by the Graduate Council. These students must satisfy all requirements for the Graduate College and the program they wish to enter at the time of application for a change of status.

An eligible non-degree student may take as many graduate courses as he or she wishes, however, only nine hours taken as a non-degree candidate may be applied toward a master’s degree.

A student who wishes to register as a non-degree student must meet the following requirements:
1. Obtain written approval from the Dean of the Jackson College of Graduate Studies and Research,
2. Obtain written approval from the graduate program advisor, and
3. Obtain written approval from the instructor of each graduate course in which the student wishes to enroll.

To ensure the quality and continuity of UCO’s graduate programs, degree students will not be permitted to change to non-degree status.

Prerequisites
A student with limited preparation in the field of study chosen at the graduate level may be required to complete prerequisites before being admitted to the program. These courses, when taken for graduate credit, may count as electives in some programs but not in others. Prerequisites are determined by the Graduate Advisor at the time of the initial advisement, and will be listed as such on the plan of study.

Probation and Suspension (Academic)
Graduate students must maintain an overall graduate grade point average of 3.00 or higher to remain in “good academic standing” with the University and the Jackson College of Graduate Studies & Research.

A student, regardless of admission status, may be placed on academic probation if:
1. The student has completed nine graduate hours, and
2. The student’s cumulative graduate grade point average (GPA) falls below 3.00.

While a student is on academic probation, the student will not be allowed to enroll in more than nine graduate credit hours each semester. Failure to achieve a minimum graduate GPA of 3.00 each semester while on probation will result in suspension from the Jackson College of Graduate Studies and Research.

Whether or not a student has ever been on probation or has completed nine graduate hours, any student will be placed on suspension whose cumulative GPA falls below 2.00 in any semester. No graduate classes may be taken while a student is suspended, awaiting adjudication from the Graduate Council.

Students who wish to be considered for re-admission must submit a written appeal to the Dean of Jackson College of Graduate Studies and Research within 30 days of receipt of notification of academic status. The student’s appeal will be evaluated by the Admissions and Retention Committee of the Graduate Council. The committee will recommend readmission or dismissal to the Graduate Council.

If approved for readmission, the student must pay the $25.00 application fee to the Bursar’s office, First Floor, Nigh University Center, and continues on academic probation and must maintain a graduate GPA of 3.00 each semester.

Failure to achieve a graduate GPA of 3.00 or above during any semester after readmission will result in immediate dismissal from graduate studies at UCO. No academic reprieve is possible.

Program Changes
A student who wishes to change from one graduate program to another must meet all admission requirements for the new degree program, meet with the Graduate Advisor to complete the Graduate Program Change Request form (available in the Jackson College of Graduate Studies and Research office) and submit it, with a formal Plan of Study for the new program, to the Jackson College of Graduate Studies and Research. The grade point average requirement for the new program must be met and only the undergraduate GPA will be considered.

Re-admission
If a University of Central Oklahoma student has not enrolled and completed any graduate courses at UCO for a minimum period of one year, the student must apply for readmission as a graduate student to the Jackson College of Graduate Studies and Research and must meet the requirements for the program at that time.
Graduate Studies

Repeating Courses
All graduate work attempted in which a grade of A, B, C, D or F is received will be counted in the graduate grade point average. If a graduate course is repeated to enhance the grade, both grades will be used in calculating the graduate grade point average. No course may be counted toward more than one degree.

Residence Status
A uniform policy concerning resident status exists for all state-supported institutions of higher education in Oklahoma. The information sheet and petition to determine residency are available in the Jackson College of Graduate Studies and Research, NUC 404, and the Office of Admissions and Records, first floor, Nigh University Center.

Responsibility
Accuracy of the student's enrollment, class changes, and withdrawals are the student's responsibility.

Second Master’s Degree
To obtain a second Master’s degree, a student must complete a minimum of 30 additional graduate hours and meet all requirements for the second degree. The second degree cannot be in the same specific area as the first degree. A course cannot be used to complete requirements for more than one degree. This applies even if the second degree is at another university.

Special Requirements for Continuous Enrollment – Master’s Thesis, Creative Writing Project, Applied Mathematics Project
All programs involving a thesis or special project require continuous enrollment in 5990 (thesis) or 5980 (Applied Mathematics project), until the requirements for the degree are completed.

The thesis director will be responsible for monitoring the student’s enrollment each semester in thesis credit. The thesis director will be responsible for ensuring that the final enrollment in the thesis will carry enough hours to compensate for semesters of non-enrollment. For example, if a student did not enroll for three semesters while working on the thesis, a final enrollment would carry a minimum of four semester hours.

Students failing to complete the thesis early enough in a semester to allow the instructor to meet the deadline for submitting grades must enroll in at least one additional hour of thesis credit for the following semester. This will delay graduation by one semester.

Thesis
Student working toward a master’s degree may be required to submit a master’s thesis. The thesis will carry graduate credit hours based on the program requirement. Students should consult their graduate advisor early in the master’s program for instructions on thesis preparation and format.

Any graduate student who submits a thesis in partial fulfillment of requirements toward a master’s degree must publicly defend the thesis. Public defense, with a representative of the Jackson College of Graduate Studies and Research present at the defense, is required for graduation.

After public defense, a student must submit to the Jackson College of Graduate Studies and Research:
1. a title page,
2. an original signature page with all signatures of thesis committee members, and
3. an abstract of the thesis.

The number of thesis hours assigned an “X” grade will contribute to the “Hours Attempted” and “Hours Earned” on the transcript. The “X” grade will not contribute to the Graduate GPA in any manner. This is equivalent to a grade of “Pass”.

Pass or Fail grades (“P” or “F” grades) will be assigned by the thesis instructor when a thesis is completed. A grade of “P” will not contribute to the graduate GPA, the “F” grade will adversely affect the graduate GPA.

Thesis Binding and Copy Requirements
Students completing a thesis for the master’s degree must submit a minimum of three copies with original signatures of thesis committee members, on 25% rag paper, with one and one-half inch (1 1/2”) left margins, to the Max Chambers Library, Archives, Room 215. Two bound copies will remain in the library, and one bound copy will be sent to the student’s department.
Additional copies for personal use, with the same paper and margin requirements, must be submitted to the Archives at the same time. Money orders for personal copies requested—made out to the bindery—must accompany the required three copies. Call 405-974-2882 for name of the bindery and the price for each personal copy.

Thesis format is the responsibility of the thesis committee and the student. (See format requirements available in the departments and the Jackson College of Graduate Studies and Research.) An original committee signature page, title page, and the thesis abstract must be presented to the Jackson College of Graduate Studies and Research before the student will be allowed to graduate.

**Time to Degree**

From the time of admission to a graduate program to graduation with a master’s degree, the student has six years in which full credit for graduate hours will be awarded. Courses seven to ten years old will be awarded one-half credit. Credit hours more than 10 years old at the time of graduation will not be applied toward the master’s degree.

**Transfer Credit**

A maximum of 9 (nine) semester hours of transfer graduate credit may be applied toward a graduate degree program at the University of Central Oklahoma. These 9 hours may be applied only if they contribute to the program, and courses must be approved by the Graduate Advisor, the College Dean, and the Dean of the Jackson College of Graduate Studies and Research.

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

If the courses are used to satisfy degree requirements at another university, they cannot apply toward a degree at UCO. All graduate courses taken at other accredited institutions, regardless of applicability to current program, must be transferred to the University of Central Oklahoma and included on the student’s academic record.

**Transcript with Degree Posted**

Transcripts reflecting degrees earned will be available approximately three weeks after the end of the semester in which the student earned the degree.

**Undergraduates in Graduate Programs**

UCO seniors are eligible for concurrent, or mixed undergraduate and graduate enrollment in their final semester before undergraduate graduation, providing they meet the established criteria:

1. Certified by their undergraduate advisor to be enrolled in the final semester for a bachelor’s degree.
2. Total enrollment (undergraduate and graduate) may not exceed 16 hours.
3. Overall undergraduate grade point average (GPA), must be 3.00 or higher.
4. No more than one graduate enrollment (8 hours maximum) will be permitted before the undergraduate degree has been posted to the transcript.

Students wishing to apply for concurrent enrollment must complete the Mixed Enrollment form, available in the Jackson College of Graduate Studies and Research.

**Workshop Credit**

No more than two (of the total) hours required for the master’s degree may be earned by participation in workshops.
Operations of the Jackson College of

Graduate Studies and

Research Opportunities at UCO
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, pure and applied research and who are dedicated to the professional enhancement of their students, their disciplines, their college, the University and the community. Faculty in the Performing Arts will be considered an exception to the earned doctorate requirement and will be eligible for Full Graduate Faculty membership if they possess an MFA degree and 60 graduate hours in the teaching field. A similar exception is granted for Music, with the requirement of 75 total graduate hours with 60 graduate hours in the teaching field. Deans and chairpersons will determine equivalence to the terminal degree and submit to the Graduate Council Membership Committee for consideration. Full membership to the Graduate Faculty is initiated by the department, chairperson or director of the graduate program. The Faculty Membership Committee will determine and approve the department's recommendation of independent scholarly attitudes and performances of an educated person in a free society.

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 Research and determine the general direction of the Jackson College of Graduate Studies and Research.

Associate Members of the Graduate Faculty

Members of the University Faculty who have not been granted full membership on the Graduate Faculty may be requested to teach graduate classes and may serve on advisory committees and thesis committees upon recommendation of the department concerned, and approval of the Graduate Council Membership Committee and the Dean of the Jackson College of Graduate Studies and Research. These assignments shall be subject to periodic review.

These faculty members are designated as Associate Members of the Graduate Faculty. Under no circumstance will faculty who are not members or associate members of the Graduate Faculty teach graduate courses. Associate Graduate Faculty Membership Categories are defined as follows:
1. Full-time faculty employed for more than one academic semester, or
2. Full-time faculty employed just prior to the first academic semester, or
3. Part-time faculty employed for more than one academic semester, or
4. Part-time faculty employed just before beginning their first academic semester.

The application for three-year associate membership on the Graduate Faculty is initiated by the department, chairperson or director of the graduate program. The Graduate Faculty Three-year Associate Membership Application form, available in the Jackson College of Graduate Studies and Research, will be sent to the Graduate Dean, and will include a current curriculum vitae, a letter of application, transcripts, and other appropriate information if requested.

The Graduate Dean will review the application and forward it to the Membership Committee of the Graduate Council for discussion and vote, which will be forwarded to the Vice President for Academic Affairs, deans, and department chairpersons.

Applications for membership or associate membership in the Graduate Faculty must be received and acted upon before the final printing of the semester schedule in which the faculty member may teach. Emergency associate memberships of one-semester duration may be granted by the Dean of the Jackson College of Graduate Studies and Research.

Graduate Council, Graduate Faculty and Research at UCO
Graduate Council and Committees

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 and Research, whenever the action of the Graduate Faculty is needed. A special meeting must be called if ten percent of the Graduate Faculty so petition.

The Graduate Council
The Graduate Council is an elected group of Full Members of the Graduate Faculty and administrators concerned with policy recommendations as they relate to all graduate programs at the University of Central Oklahoma. The Council is composed of 19 members: 15 are elected from faculty-3 from each of the 5 academic colleges; 3 are appointed by the Dean of the Jackson College of Graduate Studies and Research, who is also the 19th member.

This Council consists of four standing committees: The Membership Committee, the Executive Committee, the Curriculum Committee, and the Admissions and Retentions Committee. Appointees from the Office of Academic Affairs, the Library, and Faculty Senate serve as liaisons to the Graduate Council.

Duties of the Graduate Council include:
1. Hear reports and take action on recommendations of the standing committees.
2. Advise the committees in carrying out their duties.
3. Appoint ad hoc committees when necessary.
4. Make recommendations concerning Graduate Faculty policies and procedures.
5. Receive communications on any and all matters relating to the Jackson College of Graduate Studies and Research.
6. Advise and make recommendations to the Graduate Dean.
7. Review matters which are to be taken to the Graduate Faculty.
8. Cooperate with the Undergraduate Faculty or its representatives and to appoint joint committees when needed.
9. Meet a minimum of once each semester.

The Graduate Executive Committee
The Graduate Executive Committee will:
1. Work with the Graduate Dean prepare agendas for the council and faculty meetings.
2. Consult with the Graduate Dean whenever consultation seems necessary.
3. Take specific actions as directed by the Graduate Council or the faculty.
4. Advise the Graduate Dean in selecting the appointed members of each standing committee.
5. Assign business of the Jackson College of Graduate Studies and Research to a standing committee or recommend an ad hoc committee to be appointed as necessary.
6. Recommend items for the consideration of the Graduate Council.

The Membership Committee
The Membership Committee will:
1. Receive nominations and make recommendation for Full Membership and Associate Membership to the Graduate Faculty.
2. Make periodic reviews and recommendations for membership of individual Graduate Faculty Members.
3. Make periodic reviews of policies relating to Graduate Faculty Membership.
4. Undertake other assignments made by the Graduate Dean or Executive Committee.

The Curriculum Committee
The Curriculum Committee will:
1. Review, hold hearings, and recommend acceptance or rejection of proposed changes, deletions, and new graduate courses and degree programs.
2. Periodically review the graduate curricula and make suggestions for improvement.
3. Articulate its work with that of the departmental curriculum committees with regard to such matters as courses and programs which affect the Jackson College of Graduate Studies and Research.
4. Complete other assignments made by the Graduate Dean or Executive Committee.

The Admissions and Retention Committee
The Admissions and Retentions Committee will:
1. Review and make recommendations concerning admission procedures, to assure that policies are consistent with the admission philosophy of the Jackson College of Graduate Studies and Research.
2. Study registration procedures and policies as they affect the Jackson College of Graduate Studies and Research.
3. Review the list of graduate students on retention each semester and modify their status as appropriate.
4. Complete other assignments made by the Graduate Dean or Graduate Council.

Election Procedures of the Graduate Council
Election of Graduate Council members shall be conducted during the Spring semester by the deans of each of the undergraduate colleges in the following manner. At the beginning of March the Graduate Dean will provide each of the college deans with:
Graduate/Research Assistantships and Tuition Waivers

1. A list of eligible candidates from his or her particular college.
2. The names of the standing committees to be filled, and
3. A sufficient number of application forms to be distributed within the college.

College deans will notify all eligible candidates of openings on the Graduate Council and call for applications. Applications will be for a position on a specific committee as a representative of the college for which the position is open. The term of office will be three years.

An election will be conducted by ballots mailed from the college dean’s office. Each Full member of the Graduate Faculty from the college will vote for only one person for each committee position open. Ballots will be tabulated in the office of the college dean.

At the end of the election process, the dean of each college will provide the Graduate Dean with the name(s) of the newly elected Graduate Council member(s) from his/her college.

Committee members appointed by the Graduate Dean shall be announced following the annual election. In this way it will be possible for the Graduate Dean to improve the diversity of the Council, and attain the widest representation possible. Appointments are for a three-year term. The elected member will serve from the Fall semester to the end of the appropriate Summer semester.

Graduate Assistantships for Students

Graduate assistants (GAs) are selected for their scholastic achievement and promise in their field of study. In choosing these students, the University reposes great confidence in their ability to maintain high standards of educational excellence, to conduct research with professionalism, and to develop their skills as academic investigators, teachers and leaders. GAs have the opportunity to work under the direct supervision and tutelage of one or more faculty members.

Stipends for GAs are based on full-time (20-hr-week), three-quarter (15-hr-week) or half-time (10-hr-week) status. Full time GAs are paid $3,500 per semester, divided into four payments (Sept.-Dec. for Fall, Feb.-May for Spring) paid on the last working day of the month. Three-quarter and half-time stipends are adjusted accordingly.

Graduate assistants are required to meet certain criteria, listed below:
1. Carry at least nine credit hours of graduate coursework each regular semester to retain the appointment.
2. Must have earned a minimum 3.25 GPA
3. Have a Social Security Number. (TMP numbers are not accepted by the payroll department). Contracts will be prorated from the day the social security number is received.

2. Contractual obligation to work 10-20 hours a week at duties suitable for a graduate assistant, prescribed by your department or college.
3. May not register for more than 9 credit hours in the fall or spring semesters.
4. International students must have clearance for employment from the International office at UCO.

For less than full-time appointments, the workload, stipend and tuition waiver are adjusted. Tuition Waiver reimbursement may vary based on availability of funds. Although the University sets formal policies governing GAs, the primary responsibility for administering these policies lies with the Jackson College of Graduate Studies and Research. GAs are appointed by recommendation of the faculty, chairperson and the dean, and coordinated through the Jackson College of Graduate Studies and Research. The supervisors are ultimately responsible for the supervision and evaluation of all GA’s in the department.

Research Assistantships for Students

Research Assistant (RA) positions must be requested by faculty members at the time Regular Grant Proposals are submitted. Forms are available on-line and in the Jackson College of Graduate Studies and Research. Faculty members are responsible for screening RAs, who must fulfill these requirements:
1. Carry at least nine credit hours of graduate coursework each spring and fall semester to retain the appointment.
2. Must have earned a minimum 3.25 GPA
3. Have a Social Security Number. (TMP numbers are not accepted by the payroll department). Contracts will be prorated from the day the social security number is received.
3. Full-time RAs will work a maximum of 20 hours per week (from the first day of the fall semester through the last day of the spring semester, except in pre-approved cases) on a project which may result in a publication or thesis. For RAs who are appointed for less than full time, the workload, stipend and tuition waiver are adjusted.

For less than full-time appointments, the workload, stipend and tuition waiver are adjusted. Tuition Waiver reimbursement may vary based on availability of funds. Stipends for RAs are based on full-time (20-hr-week), three-quarter (15-hr-week) or half-time (10-hr-week) status. Full time RAs are paid $3,500 per semester, divided into four payments (Sept.-Dec. for Fall, Feb.-May for Spring) paid on the last working day of the month. Three-quarter and half-time stipends are adjusted accordingly.

Undergraduate Research Assistantships

Undergraduate Research Assistantships are available through the Jackson College of Graduate Studies and
IRB, On-Campus Research Grants, External Grants

Research on a limited basis. Faculty members request an undergraduate for a particular research project. Consult with the Jackson College of Graduate Studies and Research for further information.

RAs are required to provide the Jackson College of Graduate Studies and Research with a progress report at the end of each semester, and will present abstracts and posters at Research Day. Duties will not include regular teaching or lab monitoring.

Tuition Waiver Scholarships for Graduate Students
When funding is available, academically gifted graduate students will be allowed to apply for tuition waivers up to three credit hours through the College of Graduate Studies and Research. Information on deadlines and eligibility will be publicized in the student newspaper, “The Vista,” as well as on the website, www.ucok.edu/graduate/ and posters in all campus buildings.

Research Programs
Research is broadly defined at UCO to make it possible for all disciplines, in all colleges, to participate. Research on campus is divided into three broad categories: (1) Basic/Applied Research, (2) Curriculum Development and (3) Creative/Scholarly Activity.

Basic Research is the study of the fundamental properties, principles and data within a discipline. Applied Research engages in projects offering benefit to society using the results of basic research.

Curriculum Development revitalizes the content, conduct and quality of education through new and innovative approaches to all aspects of the learning experience.

Creative or Scholarly Activity results in a novel idea or expression. Creative experiences and activities require flexibility and openness to interpretations. Projects in creative writing, visual arts, museum enhancement, music and dance are examples of eligible activities.

Research Advisory Council
The Research Advisory Council is composed of two members from each college, the Graduate Dean, the Grant Writer, one member each from the Controller’s Office, the Faculty Senate, and the AAUP. The Council is chaired by the Assistant Dean of Jackson College of Graduate Studies and Research, and members are recommended by the Assistant Dean of Jackson College of Graduate Studies and Research, for appointment by the Vice President of Academic Affairs to a five-year term. Duties of the Research Advisory Council include:

1. Recommendation of on-campus research allocations, research assistantships and release time to faculty;
2. Addressing research concerns brought by any faculty member at UCO;
3. Recommending changes in research policy and procedures, in consultation with constituencies;
4. Acting as a liaison between faculty and the Jackson College of Graduate Studies and Research.
5. Selecting Hauptman Fellows;
6. Being outspoken champions of research at UCO.

Institutional Review Board and Institutional Animal Care and Use Committee
Any research with human subjects must be pre-approved by the Institutional Review Board (IRB), through the Jackson College of Graduate Studies and Research. Surveys for statistical purposes are included in the IRB requirements. Any use of animals in research must be pre-approved by the Institutional Animal Care and Use Committee (IACUC). Guidelines and applications are available through the Jackson College of Graduate Studies and Research website at http://www.ucok.edu/facres. Submit applications to NUC 404.

On-Campus Research Grants

Mini-Grants—maximum funding of $1,500. No release time or graduate research assistants for these grants. Mini-grants are defined as research, scholarly/creative activity, or curriculum development projects. Mini-grant recipients will be expected to apply for regular grants after three years of mini-grant funding. Proposal deadline is the last business day in January.

Regular Grants—Funding from $1,501 to $7,500. Release time is available for these grants and will be subtracted from the award budget. Research Assistants may be requested by the principal investigator. RA stipends will not be deducted from the on-campus grant budget. Regular grants are substantial research, scholarly/creative activity or curriculum development projects with significant potential for funding from external agencies. Regular grant recipients will be expected to apply for external funding after three years of regular grant funding. Deadline for proposals is the last business day in January.

Interdisciplinary Grants - Funding up to $10,000. The Interdisciplinary Grant supports and facilitates the formation of collaborations and the exploration of innovative ideas that will open new directions in research, scholarly and creative activities, enhance the intellectual environment of the campuses and lead to long term funding support from external sources. This grant was developed specifically to promote collaboration on topics of interest that cut across two or more disciplines. Collaboration among the colleges is strongly encouraged to develop a true interdisciplinary proposal. Proposals from all areas of research and creative activity will be considered.

The Interdisciplinary Grant program will consider two types of proposals:

1. Planning Grant: Supports the development of interdisciplinary research working groups. Through its meetings each group will identify and explore
Faculty Incentive Awards, Research Day, Research Awards

common interests. It is anticipated that working group discussions will lead to collaborative research proposals, symposia, seminar series, workshops and conferences. Grants of up to $5,000 are available to support collaborative faculty groups across colleges. Funding is available to cover expenses such as (a) meeting costs for the group (meals, refreshments) (b) stipend for a student responsible for group administrative needs, (c) travel for outside speakers and (d) support for hosting conferences. These are one year for-purpose grants rather than for continuing support. Each group should have a designated leader and have faculty members from at least two colleges represented.

2. Research, Scholarly and Creative Activity Grant: Supports Research, Scholarly and Creative Activities expanding interdisciplinary research which is innovative and has a high potential for return on investment. These grants are meant to support research, scholarly and creative activities not yet sufficiently developed to obtain external funding. These grants are designed to support new initiatives in faculty research and creative activities. Grants up to $10,000 are available. It is anticipated that the projects will be funded for a one-year period. Selected projects may be funded for up to two years if substantial progress and promise is demonstrated. Each group should have a designated leader and have faculty members from at least two colleges.

A. These seed grants are intended for tenure-track full time faculty who wish to begin a research project that is a new area and is currently unfunded or is expected to be funded during the proposed research period, involves student researchers in a significant way and requires modest seed funding for the preliminary work necessary for the submission of grant applications to external funding agencies or organizations.

B. PI’s and/or their students will be required to present the results of their studies at the Regional Universities Research Day.

C. These grants will support narrowly focused or targeted programs and proposals. Funding is expected to support the proposed project rather than general laboratory or field activities.

Funds awarded for Inter-disciplinary Research, Scholarly and Creative Activity grants may, for example, be used to purchase supplies or pay adjunct salary for replacement time, but cannot be used to support investigator or administrative salaries. Ideally, the funding will provide support for faculty who want to initiate a substantially new direction in research, or support innovative projects to help faculty expand into new areas of research. These funds are not intended to support established projects. However, proposals which expand ongoing work through new and innovative approaches will be considered. Deadline for proposals is the last business day in January.

Grant Proposal Evaluation Procedure—All on-campus grant proposals will be reviewed and evaluated by the Association of College and University Offices, Inc. and given a numerical rating. Reviewers will be external professionals in the disciplines being reviewed, and will provide written critiques to proposal writers. The Research Advisory Council reviews and recommends funding, release time and Research Assistants based on ratings and funds available each year. Faculty members are notified of the award allocations each year, after recommendation by the Research Advisory Council and approval by the Vice President of Academic Affairs, subject to funding by the Board of Regents of Oklahoma Colleges.

Notification of Funding—Faculty will be notified of funds allocated for the following fiscal year. All spending documents (requisitions, IDPOs, travel requests, etc.), which will encumber research funds, must be routed through and approved by the Jackson College of Graduate Studies and Research.

Grant Funding Allocation Policies
The following policies regulate all grant funding:

1. All expenditures must be originated by requisition to the comptroller, petty cash expenditures, or inter-departmental purchase orders.

2. All spending requests must be pre-approved by the Jackson College of Graduate Studies and Research. Reimbursements for out-of-pocket spending will not be approved.

3. Funds must be encumbered by the deadline dates set by the Purchasing Department.

4. Computer hardware, office furniture and office supplies such as paper, pens, pencils, file folders, etc. are not regarded as research items and will not be funded with on-campus grant monies.

5. Computer software and equipment purchased expressly for research must be justified, and will become the property of the department after the funding period.

6. Travel is permitted for presentation of results, and is limited to $600 per faculty member, per fiscal year ($250 for students). All travel requests must be routed through the chair of the department and the dean of the college before submission to the Jackson College of Graduate Studies and Research. Proof of acceptance for presentation must be provided with the travel request.

7. Grant recipients are responsible for managing grant funds in accordance with these policies.

8. On-campus grant recipients must present at Research Day, sponsored by the Jackson College of Graduate Studies and Research, as a condition of future funding.
Faculty Incentive Awards, Research Day, Research Awards

9. On-campus funding is seed money. All recipients are required to apply for external funding by the end of the third year of on-campus funding.

External Grants

Faculty members wishing to explore possible funding from an external agency may write a one-page description of the research idea and bring, mail or e-mail it to the Jackson College of Graduate Studies and Research. The Jackson College of Graduate Studies and Research assists faculty to find external funding sources for specific projects. Faculty may apply at the Jackson College of Graduate Studies and Research for SPIN+ searches and use the Jackson College of Graduate Studies and Research web page to search “News, Notes and Deadlines” for grant opportunities.

Following are the steps necessary to process an external grants proposal:

1. Obtain a “New Grant Proposal Routing Slip” from the Dean of the Jackson College of Graduate Studies and Research, NUC 404, or the website at www.ucok.edu/facres

2. If you are requesting matching funds, identify the source and have the organization manager sign the routing slip authorizing the charge to their organization.

3. Forward the grant proposal along with the routing slip to Financial Services, room AD 124 Attn: Betty Beall. Attach a note indicating the due date of the proposal and the date on which it will be submitted. She will review and concentrate on the budget portion of your proposal. You will be notified if there are any questions or necessary revisions.

4. Financial Services will forward your proposal to the Dean of the Jackson College of Graduate Studies and Research for review. He will study the content of your project. Please allow two days for review. Once your proposal has been approved, you will be contacted to pick up your proposal.

5. Mail or electronically submit your proposal. Remember, your grant proposal should not be changed after approval without routing again.

6. If your proposal is accepted, forward the award notice and/or contract to the Office of Financial Affairs, room AD 124, Attn: Betty Beall. In order for the contract to be binding, it must be signed by an authorizing official of the University, currently President Webb or Vice-President Steve Kreidler. Financial Services will obtain this signature and return the contract to the granting agency. Once all signatures are obtained between the two agencies, an organization number will be assigned to your award and a budget established.

7. You will be notified of the organization number assigned to your award.

Expenditures from your grant account must follow all applicable rules and procedures of the funding agency, the State of Oklahoma and the University of Central Oklahoma in addition to any limitations placed on the funds by the grantor. The project administrator is responsible for adherence to all applicable rules and procedures. All items purchased with grant funds become the property of UCO (unless stated in the grant that it will remain the property of the grantor). Under no circumstances will equipment purchased with grant funds become the personal property of the project administrator or Principal Investigator.

When preparing your grant proposal, be sure to incorporate the following in your budget.

1. If the grant has provisions for paying salaries, make sure to include any fringe benefits associated with these salaries which UCO is required to pay.

2. Make sure to include indirect cost in your budget if the grant will allow. The University has a federally negotiated rate for on campus programs of 52% and for off campus programs the rate is 22%. Both rates are based on any salaries paid through the grant, but not fringe benefits. IMPORTANT: It is to your benefit to include indirect cost in your proposal if allowed. The University has a policy where 50% of any indirect costs collected through grants are reallocated for the use of the PIs, for any university related expenditures of their choosing.

If you have any questions or need help in preparing your budget, please feel free to contact Betty Beall at ext 2399.

External grant proposals which are not routed through the Jackson College of Graduate Studies and Research before submission to the external agency will not be eligible for matching funds or incentive awards, subject to funding by the Oklahoma State Regents for Higher Education (OSRHE).

Administrative and Budget Review and Approval:

The Jackson College of Graduate Studies and Research will review the grant application with regard to commitment requested of the University, matching funds and release time requested or mandated by the grant, and proposed use of animals or humans as subjects. The Controller will review budget, indirect costs and salaries.

The Dean of the Jackson College of Graduate Studies and Research will approve the application before returning it to the faculty member for submission. When the President’s signature and/or a letter of support from UCO is required, the Jackson College of Graduate Studies and Research will obtain these items. A copy of all proposals is kept in the Jackson College of Graduate Studies and Research.

Incentive Awards

Faculty members who publish research results in refereed journals, apply for and/or receive external funding will be eligible for Incentive Credit Awards, under the following conditions:
Research Publications

1. A copy of the publication is sent to the Jackson College of Graduate Studies and Research and is the result of a funded mini, regular or external grant submission routed through the Jackson College of Graduate Studies and Research.
2. The external grant proposal must be routed through the Jackson College of Graduate Studies and Research before submission to the agency.
3. The application for incentive award is submitted prior to published deadlines on the Jackson College of Graduate Studies and Research website.
4. Credit must be given in their publication to the Jackson College of Graduate Studies and Research for their support and encouragement.

The publication must be a full article (not an abstract or review) published in a refereed journal.

The external funding received from State agencies or Regents do not qualify for the awards. The funding received must be from an external agency for a nationally advertised competitive grant.

USCARE–Student Research Incentives

Undergraduate and Graduate students are eligible to apply for Student Research Grants under the auspices of the Undergraduate Student Center for the Advancement of Research & Education (USCARE). Applicants are required to make an oral presentation of their research/scholarly/creative project to a panel of faculty judges. Research Awards will be given in the form of credits for purchases related to the research project. Each student applicant must have a faculty mentor to oversee and assist with the project.

Awards vary based on fiscal year funding. No student grant funds will be reimbursed for funds expended without prior approval. All purchases must be pre-approved by the faculty member and the Jackson College of Graduate Studies and Research.

Students who are traveling to present research/scholarly/creative results, will be supported for travel expenses up to a maximum of $400 per school year. Travel requests must be routed through the faculty mentor, the chair of the department, and the dean of the college, then submitted to the Jackson College of Graduate Studies and Research. Students should allow one month to route the travel request before the presentation is scheduled. Proof of presentation is required with the travel request. When a group of students are traveling for presentations, the faculty mentor is responsible for securing the travel requests from the students and routing them together, with appropriate signatures.

Research Day

Research Day is a fall event each year. Poster presentations for exhibit may be submitted by student and faculty researchers in all disciplines, and some disciplines may submit oral presentations. All faculty and students from regional universities and collaborative institutions are invited to participate. The Call for Abstracts is available on the Jackson College of Graduate Studies and Research website at www.ucok.edu/facres or www.ucok.edu/graduate/index.htm. Faculty and students benefiting from on-campus research or travel funds in the past fiscal year and Research Assistants are expected to present their research results at the event. Participation satisfies one of the criteria for on-campus research funding in future years.

Hauptman Fellowship Awards

Hauptman Fellowship Awards are presented to one faculty member and one undergraduate student researcher from each college, each year.

The Jackson College of Graduate Studies and Research will also select two graduate students at large for the award. Criteria for faculty nomination include publications in refereed journals, attempts at securing external funds and involvement in active research at UCO, whether on-campus, externally or in collaboration with another institution. Faculty members may nominate any full-time faculty member (not temporary or adjunct) to receive the award, including themselves.

Undergraduate students may be nominated for the Hauptman Fellowship Student Award by any faculty member; but written approval from the chair of the department and dean of the college must accompany the student nomination. Nominees must submit credentials for review by the Research Advisory Council (excluding nominated members). Award winners are recognized during the Fall semester at the Jackson College of Graduate Studies and Research Awards Reception.

Research Publications

The Jackson College of Graduate Studies and Research publishes two books each year. In the fall, the Research Day Proceedings will feature abstracts of faculty and student research from institutions participating in Research Day. Research at UCO will be published yearly, and feature publications and papers presented by the faculty for the previous calendar year. Faculty and students are responsible for furnishing abstracts and lists of publications before the deadline. Newsletters may be published periodically.

For more information, visit the website at www.ucok.edu/facres or www.ucok.edu/graduate/index.htm
Program: Design
Degree: Master of Fine Arts (M.F.A.)

I. Admission Requirements for the M.F.A. in Design
Students seeking an M.F.A. in Design must fulfill the following requirements before being formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards of 2.50 GPA overall, or 2.50 GPA in the last 60 hours attempted.

B. MFA Design Application Packet
Submit to the Jackson College of Graduate Studies & Research:
1. An essay that includes the following:
   a. Why you wish to pursue a Master of Fine Arts degree in Design at UCO.
   b. Your professional career plan and objectives.
   c. Your proposed area of interest, topic, or focus of graduate study.
2. Official transcript of undergraduate courses with a degree posted. If transferring from another graduate program, also submit transcript showing graduate courses. Acceptance of a transfer class for credit depends on the class content, the method of evaluation, and the demonstration of skills that are expected in the equivalent course offered at UCO.
3. A current resume.
4. Three letters of recommendation with at least one of these from a design professional.

C. Application deadlines
The Design Application Packet must be submitted by:

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<tr>
<th>Semester</th>
<th>Application Deadlines</th>
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<tr>
<td>Fall</td>
<td>April 1st</td>
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<td>Spring</td>
<td>October 1st</td>
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<tr>
<td>Summer</td>
<td>March 1st</td>
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D. Portfolio Review and Interview
The Jackson College of Graduate Studies & Research and the Design Graduate Advisor will review your Application Packet. If acceptable, you will be contacted for an interview to be conducted with the Faculty of the Department of Design. This interview will include a review of your design work, explanations of your work, design philosophies, topic/focus of graduate study, and your reasons for pursuing graduate studies.

E. Prerequisites
If you do not have a Bachelor’s Degree in Graphic Design or Interior Design, you will need to take up to

F. Acceptance into the MFA-Design program
The Jackson College of Graduate Studies & Research and the Faculty of the Department of Design will determine the acceptance status of each candidate.

II. Advisement
A. Upon acceptance into the MFA Design program, the Design Graduate Advisor will prepare, in consultation with the student, the Plan of Study with required, recommended, and elective courses necessary to earn the MFA Design degree.

B. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the Jackson College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the Jackson College of Graduate Studies & Research will admit the student for graduate studies.

Undergraduate Courses
Graphic Design
- DES 2113 History of Graphic Design
- DES 2122 Graphic Design I
- DES 3293 Graphic Design II
- DES 2152 Illustration I
- DES 3833 Computer Graphics I
- DES 4242 Pre-Press Production
- DES 4502 Professional Practice

Interior Design
- DES 1113 Introduction to Interior Design
- DES 1333 Residential Design I
- DES 2143 Commercial Design I
- DES 3123 Lighting for Interior Design
- DES 3223 Materials for Interiors
- DES 3323 Rendering Techniques
- DES 3513 History of Interior Design I
- DES 3523 History of Interior Design II
- DES 3553 History of Interior Design III
- DES 3533 Residential Design II
- DES 3563 Custom Furniture
- DES 3573 Universal Design
- DES 4073 Environmental Psychology
- DES 4213 Systems Furniture
- DES 4553 Implementation in Interior Design

MFA Design Curriculum.................. 60 hours required
Program: Design

Degree: Master of Fine Arts (M.F.A.)

College: Arts, Media & Design

Required Courses ........................................ 12 hours

- PTE 5013 Foundations of Educ. Research
- PTE 5193 Educational Statistics
- 6 hrs of ART History and/or DES History

Design Professional Preparation .................. 21 hours

Design (with Graduate Advisor approval)
- DES 5211 Summer Seminar*
- DES 5233 Psychology of Design
- DES 5253 Design in Global Cultures
- DES 5273 Business of Design
- DES 5293 Design Studio*
- DES 5913 Seminar in Design
- DES 5923 Directed Reading in Design
- DES 5933 Individual Study in Design
- DES 5943 Special Topics in Design
- DES 5952 Internship in Design
- DES 5971 Study Tour in Design

Graphic Design (with Graduate Advisor approval)
- JRN 5283 Advertising Campaigns
- ENG 5023 Advanced Technical Writing
- DES 5113 History of Graphic Design
- DES 5333 Print Design Studio*
- DES 5353 Package Design Studio*
- DES 5373 Advertising Design Studio*
- DES 5423 Computer Graphics Studio*
- DES 5443 Illustration Studio*
- DES 5463 New Media Design Studio*
- DES 5483 ClockTower Studio*

Interior Design (with Graduate Advisor approval)
- DES 5513 History of Interior Design I
- DES 5523 History of Interior Design II
- DES 5553 History of Interior Design III
- DES 5613 Lighting Design Studio*
- DES 5633 Computer Drafting Studio*
- DES 5653 Residential Design Studio*
- DES 5713 Commercial Design Studio*
- DES 5733 Furniture Design Studio*
- DES 5753 Environmental Design Studio*
- DES 5773 Charles Evans Studio*

*May be repeated for credit, up to 9 hours

Design Professional Preparation (continued)

Design Education (with Graduate Advisor approval)
- ADED 5122 Found. of Training and Development
- ADED 5313 Techniques of Teaching Adults
- ADED 5423 Instr. Eval. in Train. and Devel.
- ADED 5453 Psychology of Adult Development
- ADED 5823 Nature & Char. of the Adult Learner
- ADED 5883 Advanced Instructional Methods

Total .......................................................... 21 hours

General Electives (5000 level) ...................... 5 hours

Thesis in Design .......................................... 12 hours

- DES 5983 Thesis Project Proposal
- DES 5993 Thesis
- DES 5993 Thesis
- DES 5933 Thesis Presentation

Total .......................................................... 12 hours
Program: Music
Degree: Master of Music (M.M.)

School of Music
College: Arts, Media & Design

With Areas of Preparation in Music Education or Performance

The Master of Music is a flexible program which allows the student to concentrate in his/her area of specialization in a program that develops performing, teaching, and creative skills while providing the student with a deeper and more comprehensive understanding of his/her area than can be obtained on the undergraduate level.

The University of Central Oklahoma and the Department of Music have developed this program to help meet the needs of a growing urban population engaging in adult education by providing an opportunity for working students in the metropolitan and surrounding areas to earn the degree during summer, evening and night classes as well as during the day.

I. Admission Requirements for the Master of Music Program:
   Students seeking a Master of Music must fulfill the following requirements before they will be formally admitted to the program:
   A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.
      Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards of an overall GPA of 2.50 overall, or 2.50 GPA in the last 60 hours attempted.
   B. Hold a music degree from an accredited institution.
   C. Complete all prerequisites for the Master of Music Degree or Standard Teaching Certificate in Music.
   D. Take the Advisory Examination in Music no later than the first term of enrollment.

II. Advisory Examination
   The student's qualifications are assessed by means of the Advisory Examination which is prepared, administered, and graded by the Department of Music. The Advisory Examination includes written tests in music theory and music history/literature, vocal sight-reading, performance of the student's major instrument, and piano skills performance. The committee administering the Advisory Examination will notify the graduate advisor in Music of the results of the examination for each Master's Degree candidate, and in turn, the advisor will recommend suitable course work for each.
   The Advisory Examination is given no later than the end of the first week of each regular semester, and no later than the first week of each summer session. Every graduate student working toward a degree in the Department of Music must take the Advisory Examination during his/her first term of enrollment.

III. Advisory Committee
   Every candidate for the Master of Music degree shall be appointed an advisory committee consisting of a chairperson and two other graduate faculty members. All course choices must be approved by the advisory committee. By the end of the second semester of study, a formal plan of study, signed by the graduate music advisor and each committee member, must be submitted to the Jackson College of Graduate Studies & Research. The committee shall approve and assist in the preparation of graduate projects and shall serve as a jury for the candidate's graduate recital or oral examination.

IV. Project
   Every candidate for the Master of Music degree with preparation in performance must perform a graduate recital as a final project, and every candidate with a preparation in music education must present a thesis, recital, lecture-recital, composition or other approved project. Satisfactory work in 5901-4 Practicum, 5921-4 Directed Reading, 5931-4 Individual Study, or 5991-4 Thesis, plus an oral examination concerning the project, shall constitute completion of the music education requirement.

V. Master of Music Curriculum .................. 32 hrs
   A. Professional preparation .................. 12-16 hrs
      Select:
      1. Performance
      2. Music Education
   B. Music History and Literature ............. 6 hrs
   C. Music Theory ................................ 6 hrs
   D. Research Methods .......................... 2 hrs
   E. Electives* .................................. 2-6 hrs

*In the Music Education Professional Preparation Program, applied music will be required in lieu of some elective hours.
College of

Business Administration
Program: Business Administration  
Degree: Master of Business Administration (M.B.A.)  
College: Business Administration

Master of Business Administration

The Master of Business Administration (MBA) Degree at the University of Central Oklahoma is designed for students who desire a broad preparation for executive and administrative positions in business, industry, government, and education. Within the flexible, personalized curriculum, courses deal with present day problems faced by modern business institutions and assist the student in developing his/her ability to cope effectively with these problems.

The College of Business Administration (CBA) is fully accredited by the Association of Collegiate Business Schools and Programs (ACBSP) as well as the Higher Learning Commission.

MBA Program Objectives

The primary objectives of the MBA program are threefold in nature:
1. To develop the student’s ability to make quality decisions in his/her field of business responsibility, using a logical, scientific approach to problem-solving with a sound theoretical basis.
2. To provide the student with the necessary skills to communicate effectively with associates in the global business environment.
3. To raise student awareness of business ethics and the social responsibility of business.

I. ADMISSION

The CBA at UCO welcomes applications from graduates in all fields who hold bachelors’ degrees from accredited colleges or universities. Applicants are evaluated based on academic ability, as evidenced by a strong undergraduate record, performance on the Graduate Management Admission Test* (GMAT), maturity, motivation, leadership, commun-ication skills, and interest in professional management. The admission standards ensure that applicants admitted to the Jackson College of Graduate Studies & Research are well qualified and trained to study at UCO and have a reasonable expectation of successfully completing the Program.

*Note: or equivalent percentile performance (1000 for admission consideration or 800 for conditional admission consideration) combining the Verbal and Quantitative sections of the Graduate Record Exam (GRE)

II. ADMISSION PROCEDURE

The applicant must provide the required documents for admission to the Jackson College of Graduate Studies & Research and the MBA Program. It is the obligation of the applicant to present satisfactory evidence to support the application. Applications for admission and supporting materials (except for international students) are processed by the Jackson College of Graduate Studies & Research as they are received for admission for the semester indicated on the application form.

A. Submit all application documents for MBA graduate admission to the Jackson College of Graduate Studies & Research (University of Central Oklahoma, 100 N University Drive, Box 117, Edmond, Oklahoma, 73034) no later than the following date:

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<thead>
<tr>
<th>Semester</th>
<th>Application Deadline</th>
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<tr>
<td>Fall</td>
<td>July 1st</td>
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<td>Spring</td>
<td>November 1st</td>
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<tr>
<td>Summer</td>
<td>April 1st</td>
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B. Submit all of the following required documents to the Jackson College of Graduate Studies & Research by the application deadline to be considered for admission.

1. Application for Graduate Admission to the Jackson College of Graduate Studies & Research. See page 23.
2. A $25 application fee paid at the Bursar’s Counter, University Center, Room 134.
3. Official undergraduate and graduate transcripts from each institution attended. Proof of degree completion must be provided prior to formal admission. The transcript bearing the degree must be from an accredited institution.
4. Official GMAT results
5. Current Resumé
6. Two Recommendation Forms/Letters from former instructors, employers, or other professionals who can evaluate the applicant’s potential to complete graduate study.

C. Upon notification of acceptance from the Jackson College of Graduate Studies & Research, schedule an appointment with the MBA Director to determine prerequisites, if any, and finalize admission.

International students must contact the International Student Office for admission procedures. (University of Central Oklahoma, 100 N. University Drive, Campus Box 163, Edmond, Oklahoma, 73034, (405) 974-2390. E-mail: int-offc@ucok.edu)

III. ADMISSION REQUIREMENTS

Students seeking an MBA must fulfill the following require-ments before they will be formally admitted to the MBA Program:

A. Minimum 3.0 overall undergraduate GPA OR minimum 3.25 undergraduate GPA in the last 60 hours
B. Minimum 450 GMAT score
C. Approval from the MBA Admissions Committee

An individual who does not meet these standards but has a minimum 2.5 overall undergraduate GPA OR minimum 2.75 undergraduate GPA in the last 60 hours

AND a minimum 400 GMAT score may apply, as a limited number of students may be accepted conditionally
Program: **Business Administration**

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

based on other factors. These students must complete additional requirements as specified by the MBA Director on the MBA Program Worksheet.

GMAT scores will be accepted as valid up to 10 years from the date of the exam. The GMAT is designed to help graduate schools of business assess the qualifications of applicants for advanced study in business and management. The GMAT measures general verbal and mathematical skills. It does not test specific knowledge obtained in college coursework or measure achievement in a particular subject area. For up-to-date information about the availability of test centers, call the Prometric Testing Center at 405-843-8378 or 1-800-473-2255. In addition, the MBA Explorer website at http://www.gmac.com contains official GMAT information, sample test questions, and a list of testing sites and phone numbers.

IV. MBA PROGRAM PREREQUISITES

Students entering the MBA Program are expected to be proficient in word processing, database, and spreadsheet. No course work is required to fulfill these criteria. Knowledge derived from professional or personal experience will qualify. If a student feels that he or she does not have the necessary base of knowledge to fulfill this requirement, there are various undergraduate courses available that would be helpful to increase computer knowledge and experience.

The following is a list of prerequisites to the MBA Program which may be waived wholly or in part for the student who has demonstrated satisfactory performance by earning a grade of “C” or better in the appropriate business administration course work. The MBA Director will make the determination of equivalency. All of the prerequisites or the equivalent must be completed prior to enrolling in graduate courses.

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACCT 2113</td>
<td>Accounting I</td>
</tr>
<tr>
<td>ACCT 2133</td>
<td>Accounting II</td>
</tr>
<tr>
<td>ECON 2173</td>
<td>Principles of Business Statistics</td>
</tr>
<tr>
<td>ECON 2103</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 2203</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>FIN 3563</td>
<td>Fundamentals of Business Finance</td>
</tr>
<tr>
<td>ISOM 3263</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>ISOM 3313</td>
<td>Production and Operations Mgmt</td>
</tr>
<tr>
<td>LS 3113</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>MATH 2053</td>
<td>Math and Analysis for Business</td>
</tr>
<tr>
<td>MGMT 3103</td>
<td>Fundamentals of Management</td>
</tr>
<tr>
<td>MRKT 3013</td>
<td>Fundamentals of Marketing</td>
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V. MBA PROGRAM CURRICULUM ............... 36 hours

A. Required Core Courses* .................. 21 hours

(All must be taken at UCO—minimum grade of “B” in each course)

**BOM **5303 Business Research Methods
**ISOM5533 Management Science
ACCT 5103 Controllership & Decision Accting
FIN 5333 Financial Admin & Control

B. Capstone Course ......................... 3 hours

(Must be taken at UCO during last 12 hours - minimum grade of “B” required)

MGMT 5543 Integrated Functions of the Firm

C. Graduate Level Business Electives .......... 12 hours

Six hours must be in residence at UCO.

VI. REQUIREMENTS FOR GRADUATION

A. Complete all MBA degree requirements with an overall graduate GPA of 3.00 (on a 4.00 scale) for all graduate course work attempted and a graduate 3.00 GPA for all course work attempted in residence at the University of Central Oklahoma.

B. Pass all Required Core courses and Capstone Course with a grade of “B” or better in each course. A maximum of two retakes (including audits and withdrawals) will be permitted per course in order to satisfy this requirement.

C. Satisfy minimum course grade requirements. No more than six hours of course work with a grade of “C” will be accepted toward the MBA degree requirements and no grade of “D” or lower will apply to the degree requirements. If a student earns a grade of “C” or lower in a REQUIRED CORE COURSE or CAPSTONE COURSE, the course must be repeated. A grade of “D” or lower in an ELECTIVE course does not have to be repeated; however, the elective will not apply to the MBA program. A different elective may be taken. All graduate grades, whether repeated or not, will apply to the graduate GPA calculations.

D. Complete at least 30 graduate hours in residence. Required CORE and CAPSTONE courses must be taken in residence at the University of Central Oklahoma.

VII. THESIS (Optional)

A thesis has a value of 2 to 6 hours of credit and is included in the 36 hours required for the degree. Business Research Methods (BCOM 5303) must be taken prior to writing the thesis. Refer to the section entitled Special Requirements for Continuous Enrollment in the Graduate Catalog for information regarding the enrollment requirements.

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The topic selected for the thesis must be approved in advance by the student's thesis committee chairperson, who will also provide the general supervision of the student's thesis preparation.

Students who elect to write a thesis must check with the MBA Director to select a sufficient number of graduate faculty members to serve on the thesis committee and to obtain a copy of the MBA thesis format requirements.

Any graduate student who elects to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies & Research will be present at the defense. See required documentation for theses elsewhere in this catalog.

VIII. TRANSFER COURSE CREDIT

Courses eligible for transfer must be taken for graduate credit at the institution from which the credit is being transferred. If the institution is not accredited by either the ACBSP or the AACSB, transfer credit must be approved by the MBA Advisor.

Transfer courses apply toward the MBA degree only as electives or to satisfy prerequisite requirements. No transfer course with a grade lower than a “B” will be accepted, and no more than six (6) hours of transfer course work will apply toward the Elective Course requirements of the MBA program. Also, the MBA Director must approve course transfers.
College of Education
Program: Adult Education
Degree: Master of Science (MS)

The Master of Science in Adult Education is a specialized program designed for the individual who wishes to work in a variety of environments for adults.

The Community Service option provides the student with preparation to work in education, training, and service oriented environments for the adult community. These may include public school adult basic education, vocational education programs for adults, adult education counselors, trainers in the corporate world, teachers in churches, and senior citizen centers, to name a few.

The Gerontology option provides the student with a base of information and experiences, in and out of the classroom, for dealing with the many aspects of aging. Many of today’s concerns with a more mature population are explored.

The University of Central Oklahoma’s Adult Education-Gerontology program is at the leading edge of educational programs in the State of Oklahoma as higher education in the state attempts to deal with the changing demands of an older population, from health care needs, to the physical effects of aging, to activities available for adults. All of these and more are covered in both options of this very popular program at UCO.

I. Admission Requirements for the MS in Adult Education Program:
   Students seeking an MS in Adult Education must fulfill the following requirements before being formally admitted to the program:
   
   Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.
   
   Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.50 GPA overall, or 2.75 GPA in the last 60 hours attempted.

II. MS in Adult Education Curriculum .......... 32 hrs
The Adult Education program offers two options:
   • Community Service
   • Gerontology

The following includes a list of courses common to the two options and basic requirements for each option.

Area A - Common courses for both options ...... 3 hrs
   PTE  5013 Foundations of Educational Research

Area B - Requirements for the two options:
   Option 1 - Community Service - 18-21 hrs
   Option 2 - Gerontology - 22-25 hrs

Area C - Approved electives to total ............ 32 hours
Program: Early Childhood Education

Degree: Master of Education (M.Ed.)

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.

The student 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.

The Early Childhood Education program emphasizes the whole child and exposes the student to the scientific knowledge bases regarding: 1) development of children, 2) learning theory, and 3) appropriate educational practices as well as the opportunity to develop competence in working with parents of young children.

The scientific and theoretical foundation for the program is the study of the Constructivist Theory as it relates to cognitive and affective development and the implications for the care and education of young children. The curriculum is designed to provide an individualized program of study based on the student's experience and professional goals.

Other areas addressed will include: assessment issues and techniques, multicultural aspects of child development, principles of play in child development, principles of guidance, professionalism and advocacy.

I. Admission Requirements for the M.Ed. in Early Childhood Education Program:

Students seeking an M.Ed. in Early Childhood Education must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research, who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

B. Supply the Jackson College of Graduate Studies & Research with a current Oklahoma standard teaching certificate or license in Early Childhood Education.
The Master of Education in Education has three options.
• General Education
• Secondary Education
• Bilingual Education/TESL

General Education Option

The General Education option is a program designed to prepare qualified individuals to work in an education environment relating to a specific discipline. The program encompasses (1) an orientation to education in the field of research and scholarly activities, (2) a specialization in an educational content area, and (3) curriculum design and development in that specific discipline. The program also provides the opportunity for students to develop in-depth knowledge in their chosen discipline and endeavors to produce educators/scholars with research skills that are sufficient for a career in their discipline. Specific objectives include:

1. To produce educator-scholars who understand the foundations and applications of their discipline;
2. To produce educator-scholars with an in-depth knowledge in their discipline;
3. To produce educator-scholars who are able to integrate and disseminate knowledge effectively;
4. To produce educator-scholars who understand the nature and characteristics of curriculum content and development;
5. To produce educator-scholars who are able to communicate effectively in their discipline;
6. To produce educator-scholars with research skills sufficient for understanding and producing personal and work-related scholarships.

I. Admission Requirements

General Education Option:

Students seeking the M.Ed. in Education-General Education must fulfill the following requirements before they will be formally admitted to the program:
A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research, who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.
B. Complete all prerequisites, if any, as determined by the graduate advisor.

II. General Education Option Curriculum ......34 hrs
A. Professional Education ...............................11-12 hrs
   (1 course from each area)
   1. Methods of Research 3 hrs
   2. History/Philosophy 2-3 hrs

Secondary Education Option

The Secondary Education option is designed for professional educators who seek a broader cultural and professional development than is possible to achieve on the undergraduate level. The curricular program of each student is designed to improve the instructional knowledge and/or specific techniques and skills which will be required in professional work.

The student will be given the opportunity to study the selected specific area of certification in more depth. In addition, he/she will learn more about the American educational system.

The student 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.

Other areas covered include: Increasing understanding of the development of adolescence and social forces on adolescence and implications for the classroom; increasing the knowledge base of student learning and behavior both individually and in a classroom setting; and establishing and maintaining appropriate human relationships with students, parents, teachers, administrators, and other pertinent individuals.

I. Admission Requirements

Secondary Education Option:

Students seeking an M.Ed. in Education - Secondary Education option must fulfill the following requirements before they will be formally admitted to the program:
A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

B. Meet one of the following criteria.

No student will be admitted to this program or to the Jackson College of Graduate Studies & Research, who does not meet the admission standards:

1. Have a GPA of 3.00 on a 4.00 scale in all undergraduate course work OR
2. A 3.25 GPA on a four point scale in the last 60 hours completed OR
3. Complete a minimum of eight graduate semester hours attempted.
### Program: Secondary Education

<table>
<thead>
<tr>
<th>Degree: Master of Education (M.Ed.)</th>
<th>College: Education</th>
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<tr>
<td><strong>B. Teaching Specialization</strong></td>
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<td>Select eight (8) semester hours of</td>
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<td>graduate level course work in the</td>
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<td>teaching specialization area in</td>
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<td>which the person holds teacher</td>
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<td>certification. Consult with the</td>
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<td>specialization area program advisor.</td>
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<td><strong>C. Approved Related Electives to</strong></td>
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<td>total ............................ 32 hours</td>
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<td>Additional courses taken from</td>
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<td>Areas A or B above or courses</td>
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<td>taken for graduate credit that</td>
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<td>certification may be counted in</td>
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<td>this area.</td>
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<td>The Jackson College of Graduate</td>
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<td>Studies &amp; Research requires</td>
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<td>written approval from the Program</td>
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<td>Coordinator for courses not taken</td>
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<td>under “A” or “B” above.</td>
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<td><strong>Bilingual Education/TESL Option</strong></td>
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<td>The Masters of Education degree in</td>
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<td>Bilingual Education/Teaching</td>
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<td>English as a Second Language (TESL)</td>
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<td>Option is designed to prepare</td>
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<td>teachers to work with the ever</td>
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<td>increasing number of non- and</td>
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<td>limited English proficient students</td>
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<td>in Oklahoma’s schools. The program</td>
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<td>provides already-certified teachers</td>
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<td>the training to better assist K-12</td>
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<td>English language learners who are</td>
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<td>struggling to survive and succeed</td>
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<td>academically. The program provides</td>
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<td>students with the foundations of</td>
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<td>research, language acquisition</td>
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<td>theory, and history and philosophy,</td>
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<td>as well as current instructional</td>
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<td>and assessment practices, and</td>
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<td>grounding in English language</td>
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<td>structure and usage.</td>
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<td>The program allows students to</td>
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<td>complete the 24-hour course</td>
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<td>requirements of UCO’s state-approved</td>
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<td>program for a teaching credential</td>
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<td>designation in Bilingual/Multicultural</td>
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<td>Education and/or English as a</td>
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<td>Second Language (non-testing</td>
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<td>endorsements) and apply them</td>
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<td>toward the 33-hour degree</td>
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<td>requirements. Students not holding</td>
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<td>Oklahoma teaching certification,</td>
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<td>but otherwise eligible for</td>
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<td>admission, may be required to</td>
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<td>complete other prerequisites.</td>
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<td>Specific program objectives focus</td>
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<td>on developing the knowledge, skills</td>
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<td>and dispositions for professionals</td>
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<td>in the fields of Bilingual</td>
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<td>Education and /or Teaching English</td>
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<td>as a Second Language. They include</td>
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<td>the following:</td>
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<td>1. Apply knowledge of the processes</td>
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<td>of language acquisition and</td>
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<td>bilingualism to the development of</td>
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<td>classroom instructional activities.</td>
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<td>2. Incorporate a variety of</td>
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<td>developmentally appropriate</td>
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<td>methods, techniques, and</td>
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<td>educational technology, into oral</td>
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<td>and written language development</td>
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<td>and across the curriculum.</td>
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<td>3. Infuse into the curriculum an</td>
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<td>appreciation for cultural</td>
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<td>diversity and awareness of the</td>
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<td>influences of cultural background</td>
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<td>and experience in the educational</td>
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<td>process.</td>
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<td>4. Develop and implement strategies</td>
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<td>to promote effective parental and</td>
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<td>community involvement in the</td>
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<td>schooling process.</td>
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<td>5. Identify limited English</td>
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<td>proficient students and monitor</td>
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<td>their language and academic needs</td>
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<td>by developing, administering, and/or</td>
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<td>interpreting appropriate assessment.</td>
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<td><strong>II. Secondary Education Option Curriculum...32 hrs</strong></td>
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<td>The student will designate the area</td>
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<td>of specialization he/she wishes to</td>
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<td>study as part of the Master of</td>
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<td>Education in Education - Secondary</td>
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<td>Education Option.</td>
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<td>A minimum of eight hours in the</td>
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<td>Teaching Specialty area are to be</td>
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<td>hours beyond those required for</td>
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<td>certification requirements. The</td>
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<td>degree program is designed for</td>
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<td>those who hold teaching certification,</td>
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<td>and who wish to increase and</td>
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<td>improve their knowledge in that area.</td>
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<td>However, if the student wishes to</td>
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<td>pursue this program in an area in</td>
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<td>which the student has not met</td>
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<td>certification requirements, he/she</td>
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<td>should understand that these hours</td>
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<td>must be completed in addition to</td>
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<td>the requirements for the M.Ed. in</td>
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<td>Education Program.</td>
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<td>1. Professional Education</td>
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<td>......................................... 15 hrs min</td>
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<td>1. Professional Education Required</td>
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<td>Course Work- 12 hrs</td>
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<tr>
<td>PTE 5013 Foundations of Educational</td>
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<td>Research</td>
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<td>PTE 5203 Advanced Educational</td>
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<td>Psychology</td>
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<td>PTE 5832 Advanced Psychology of</td>
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<td>Adolescence</td>
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<td>PTE 5912 Capstone Experience -</td>
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<td>Seminar</td>
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<td>completed during the last</td>
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<td>Spring semester of enrollment)</td>
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<td>Select one of the following three</td>
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<td>courses:</td>
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<td>PTE 5142 History of Education</td>
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<td>PTE 5172 Educational Sociology</td>
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<td>PTE 5112 Modern Philosophies of</td>
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<td>Education</td>
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<td>2. Professional Education Electives</td>
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<td>3 hrs min</td>
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<td>Select three hours minimum from any</td>
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<td>of the following courses:</td>
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<td>PTE 5283 Fund of Curriculum</td>
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<td>Development for Secondary Schools</td>
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<td>PTE 5383 Principles of Tests and</td>
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<td>Measurements</td>
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<td>PTE 5413 Educational Statistics</td>
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<td>Any of the following that was not</td>
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<td>completed for area A:</td>
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<td>PTE 5112 Modern Philosophies of</td>
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<td>Education</td>
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<tr>
<td>PTE 5142 History of Education</td>
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<td>PTE 5172 Educational Sociology</td>
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<td>PTE 5322 Problems of Teaching in</td>
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<td>the Secondary School</td>
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</table>
Program: Bilingual Education/TESL

Degree: Master of Education (M.Ed.)

6. Diagnose and prescribe individualized instruction and mainstreaming techniques that reflect an understanding of diverse learning styles.
7. Demonstrate classroom management techniques for various types of program models in bilingual and multilingual settings.

I. Admission Requirements, Bilingual Education/TESL Option:
Students seeking an M.Ed. in Education - Bilingual Education/TESL option must fulfill the following requirements before they will be formally admitted to the program:
A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet ONE of the following criteria:
1. Have a cumulative GPA of 2.75 on a 4.00 scale in all undergraduate course work.
2. Complete a minimum of eight graduate semester hours at UCO with a minimum GPA of 3.00 with no grade below a “C.”

B. Supply the Jackson College of Graduate Studies & Research, with a current Oklahoma standard teaching certificate or license, or have completed six hours of undergraduate education courses and six hours of English above the 2000 level, as determined by the graduate advisor.

II. Bilingual Education/TESL Option Curriculum. 33 hrs

A. Professional Education ................................. 1-12 hrs
1. Research
PTE 5013 Foundation of Educational Research
2. History and Philosophy
TESL 5123 Foundations of Bilingual/Multicultural Education
3. Measurement and Psychology
TESL 5313 Testing & Evaluation in Bilingual/ESL Classrooms
4. Media and Curriculum
IME 5042 Microcomputers in the Classroom

B. Core Areas ............................................. 21-22 hrs
1. Specialization ........................................ 15-16 hrs
TESL 5763 Second Language Acquisition
TESL 5783 Teaching English as a Second Language
TESL 5143 Teaching Reading to English Lang. Learners
TESL 5163 ESL in Content Areas
TESL 5133 Methods and Materials for Bilingual Instruction

TESL 5213 Cultural/Linguistic Diversity in the Schools
TESL 5901-3 Practicum

2. English ................................................. 6 hrs
ENG 5283 English Grammar and Usage
ENG 5343 Linguistics
ENG 5323 History of English Language
ENG 5413 TESL Grammar

C. Approved Electives to total .......................... 33 hrs

The Capstone experience for Bilingual/TESL Multicultural option will be one of the three options listed below and will be determined through advisement with the program coordinator.
1. A comprehensive written exam to evaluate the student’s ability to apply, analyze and synthesize critical concepts related to the plan of study.
2. A practicum experience to be taken during the last six hours of the program. The practicum will require students to be monitored and supervised in an applied setting working with limited English proficient students. Elements of competencies matching the program objectives will be evaluated.
3. Students already working in an applied setting may opt for assessment through an action research project in which specific phenomenon related to second language learners are examined in an authentic classroom setting.
Program: Educational Administration
Degree: Master of Education (M.Ed.)

Master of Education (M.Ed.)

The Master of Education in Educational Administration offers a degree in school administration K-12. The degree program is based on requirements for the Elementary or Secondary School Principal Standard Certificate as set forth by the Oklahoma State Department of Education.

The Educational Administration degree program provides a core of activities designed to develop those competencies and skills necessary in the changing role of the school principal. The competencies include, but are not limited to: educational leadership in the school and the community, including strategic planning, instruction, organization; political and community influence; human relations skills; curriculum development and knowledge to assist teacher and other staff members; organization and management of staff; ability to assess problems and formulate measures to deal with them; and understanding of school systems' programs, purposes, procedures, regulations, and agreements.

I. Admission to the M.Ed. in Educational Administration Program:
   Students seeking an M.Ed. in Educational Administration must fulfill the following requirements before they will be formally admitted to the program:
   A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.
   B. Gain admission to the Educational Administration program.
   C. Successfully complete the admission folder and interview requirement before completion of 9 graduate hours.
   D. Obtain three satisfactory recommendations from University of Central Oklahoma faculty members. Recommendation forms may be obtained from the Jackson College of Graduate Studies & Research.
   E. Supply the Jackson College of Graduate Studies & Research, with a document showing that you possess a current Oklahoma Standard Teaching Certificate or License.
   F. Must have two years successful teaching experience in an accredited school.
   G. Successfully complete the School Administration Portfolio requirements.

Note: A student pursuing a master’s degree is required to complete all admission requirements by the end of the semester in which the student has completed 9 graduate hours.

II. School Principal Certification Requirements
   Please see detailed pages regarding Oklahoma State Department of Education requirements for Elementary and Secondary School Principal Certification in the Teacher Certification area.

III. M.Ed. in Educational Administration
    34 hrs
    PTE 5013 Foundation of Education Research – 3 hrs
    *EADM 5543 Fundamentals of Public School Administration
    PTE 5153 Advanced Developmental Psychology in an Educational Setting – 3 hrs
    EADM 5453 Interpers. Relat./Schl Admin – 3 hrs
    EADM 5673 School Personnel Administration - 3 hrs
    EADM 5683 Curriculum Leadership - 3 hrs
    EADM 5353 Computer Applications and Technology for School Administrators - 3 hrs
    EADM 5623 Supervision & Evaluation of Instruction 3 hrs
    EADM 5553 Legal Aspects of School Administration - 3 hrs
    EADM 5583 Public School Finance - 3 hrs
    **EADM 5814 Principalship/Internship - 4 hrs

* Must be taken within the first nine hours of the program of study at UCO.
**Must be taken the semester prior to graduation or in the Spring prior to a Summer graduation.
Program: Elementary Education
Degree: Master of Education (M.Ed.)

Master of Education (M.Ed.)

The Elementary Education program is designed to provide a more advanced program of study for teachers in Elementary School settings.

The student will be required 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.

The curriculum is designed to provide an individualized program of study based on the student’s experience and professional goals. The student will be required to demonstrate their knowledge in the following areas: curriculum theory and development; theoretical basis of instructional practices; current practices, innovations, and trends in various subjects; current instructional materials; norm-referenced and criterion-referenced evaluation of pupils' progress including development, use, interpretation, and reporting; social class and cultural background differences among students and their implications; methods of developing and implementing instructional programs for culturally different pupils; historical development of elementary education in America; the impact of society and social change on the educational process; and major philosophical views of education and their relation to educational theory and practice.

I. Admission requirements for M.Ed. in Elementary Education Program:

Students seeking an M.Ed. in Elementary Education must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research, who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

B. Obtain three satisfactory recommendations from University of Central Oklahoma Faculty members. Recommendation forms may be obtained from the Jackson College of Graduate Studies & Research.

C. Supply the Jackson College of Graduate Studies & Research, with a document showing a current Oklahoma standard teaching certificate or license in Elementary Education.

II. M.Ed. in Elementary Education Curriculum

Initial Certification or Degree in Elementary Education-12 hours.

Students who do not hold a certificate or degree in Elementary Education may apply up to 12 hours of their Master’s degree if they are taken at the graduate level.

Professional Education - Required....................6 hrs

- PTE 5013 Foundations of Educational Research
- Take one of the following:
  - PTE 5823 Advanced Psychology of Childhood OR
  - PTE 5153 Advanced Developmental Psychology in an Educational Setting

Elementary Education Core - Required.............18 hrs

Take each course in this section:

- ELED 5253 Inquiry Science for Elementary Teachers
- ELED 5733 Teaching for Math. Understanding
- ELED 5223 Literature-Based Language Arts Instruction
- ELED 5753 Social Studies in a Global Environment
- READ 5913 The Balanced Reading Program - from Phonics to Comprehension
- ELED 5913 Elementary Educ. Capstone Seminar

Select one of the following:

a. Analysis of the National Boards for Professional Teaching Standards
b. Action research
c. Thesis

Curriculum enhancement..............................0-12 hrs

Students who hold an undergraduate Elementary Education degree or certification will select elective courses to total 36 hours from any of the following areas:

a. Seminars, workshops or institutes in elementary education
b. Content support courses in liberal arts, mathematics or the sciences
c. Courses approved by an advisor

Total ......................................................................36 hrs
# Family and Child Studies

**Program:** Family and Child Studies  
**Degree:** Master of Science (M.S.)  
**College:** Education

## Master of Science (M.S.)

The Master of Science in Family and Child Studies is a life-span study of the family from birth to death. After completing the core courses, a plan of study is customized for each student depending on the student’s undergraduate degree and future professional plans. The total number of credit hours required will vary to facilitate the certification, licensure or specialization area selected by the student.

This degree program can lead to a certification in Family Life Education from the National Council of Family Relations. The Certified Child and Parenting Specialist credential is also available to those graduates who take the required examination and internships. This curriculum provides limited groundwork for the Licensed Marriage and Family Therapist (LMFT) state licensure.

A Child Study Center provides the practical part of this specialization, with hands-on experience and opportunities for research. A two-semester (400 clock hour) Internship course is required during the last two semesters of the student’s plan of study. The student who has an undergraduate degree in another discipline will be required to take 12 hours of undergraduate courses as prerequisites.

## I. Admission Requirements for the M.S. in Family and Child Studies Program:

Students seeking an M.S. in Family and Child Studies must fulfill the following requirements before being formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

B. Meet GPA of 2.75 overall or 3.00 in the last 60 hours, or attain a combined score of 900 on any two of the three GRE scales.

C. Meet with the Graduate Advisor to complete a recommendation for Admission to the Jackson College of Graduate Studies & Research.

D. Student and advisor will work out a plan of study. A signed, completed copy of a formal plan of study must be filed with the Advisor and the JCGS&R by the completion of the first semester.

## Specialization .................................................. 30 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMCD 5023</td>
<td>Theories in Family and Child Studies</td>
</tr>
<tr>
<td>FMCD 5043</td>
<td>Family Dynamics</td>
</tr>
<tr>
<td>FMCD 5363</td>
<td>Ethics &amp; Issues in Family &amp; Child Studies</td>
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<tr>
<td>FMCD 5373</td>
<td>Life Span Development in Family/Child Studies</td>
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<td>FMCD 5413</td>
<td>Contemporary American Families</td>
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<td>FMCD 5911</td>
<td>Professional Development in Family and Child Studies</td>
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<tr>
<td>FMCD 5912</td>
<td>Parent Education</td>
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<tr>
<td>FMCD 5913</td>
<td>Family Law and Public Policy</td>
</tr>
<tr>
<td>SAS 5xx3</td>
<td>Selected with advisor</td>
</tr>
</tbody>
</table>

## Option 1: Internship .............................. 9 hrs

- ECED 5433 Theoretical Perspectives of Learning/Practice
- GERO 5463 Bereavement Counseling
- PSY 5963 Evolution of Human Sexual Behavior

## Option 2: Thesis ................................. 10 hrs

- PTE 5013 Foundations of Education Research
- FMCD 5953-6 Internship (2 semesters, 6 hrs. required)
- PTE 5413 Educational Statistics
- FMCD 5994 Thesis

## Total Hours ........................................... 39-40

## Prerequisites: (15 hours)

- FMCD 2213 Child Development
- FMCD 3313 Guidance of the Young Child
- FMCD 2223 Marriage
- FMCD 4413 Contemporary American Families
- 3 hours of statistics
The primary mission of the University of Central Oklahoma’s Guidance and Counseling Program is to prepare “professional counselors who specialize in the school environment.” To do this, we closely adhere to national standards set forth by professional organizations (American Counseling Association & American School Counselors Association), and standards set by the State Department of Education. These standards are linked to the criteria set forth by the National Board for Certified Counselors. This will enable our students to pursue the National Certified Counselor and the National Certified School Counselor designation if they wish. In order to promote professionalism, students are encouraged to obtain these certificates and to actively participate in professional organizations.

The University of Central Oklahoma offers a Masters of Education in Guidance and Counseling degree leading to certification as a school counselor. There is also a certification program for those who already hold a master’s degree.

Admission to the Education Guidance and Counseling Program will occur twice a year: Students will be admitted each semester (fall and spring). Prospective students from all disciplines are encouraged to apply. An application packet for the Education Guidance and Counseling Program, can be obtained from the primary advisors listed below, the Jackson College of Graduate Studies & Research, the Guidance and Counseling Program or the Guidance and Counseling website at www.ucok.edu.

It is very important that all students who are interested in pursuing either the M.Ed. in Guidance and Counseling or the certification option (for those who already have a master’s and are teacher certified) read and follow the requirements for admission to the Jackson College of Graduate Studies & Research and to the Guidance and Counseling Program. It is the responsibility of each student to monitor his/her progress through the requirements. The UCO counselor education faculty want to help you meet your goals. One way we seek to do this is through graduate advisement. Please contact us as soon as possible.

The primary advisors for those interested in counseling are: Dr. Patti Buxton, Room 133, Chambers Library, e-mail pbuxton@ucok.edu or phone 405-974-5446, and Dr. Jerry Chandler, Room 128, Chambers Library, e-mail jchandler@ucok.edu or phone 405-974-5290.

Certification for school counselors is PK-12, even though you may have a primary interest in either elementary or secondary school counseling.

The application for formal recommendation for admission to the Guidance and Counseling Program must be completed by Friday of the 14th week of either the fall or spring semester. Check with the Guidance and Counseling Office for specific dates.

Interviews with prospective students will be scheduled through the last week of the semester. Students will be notified of the results of their application by the end of the following week. Students who are accepted may begin their courses of study the following full semester (fall or spring). To facilitate this process, students seeking to enroll in the M.Ed. or Certification Program (for those already possessing a masters degree and teacher certification) may begin course work in either the fall or spring semester while they complete the application process. They may enroll in PTE 5013 Foundations of Educational Research, GUID 5013 Principle of Guidance and Counseling, and PTE 5153 Advanced Developmental Psychology. In order to do this, prospective students must complete an interview with a member of the Guidance and Counseling faculty and obtain a “Recommendation for Admission to the Jackson College of Graduate Studies & Research.” This will allow the student to enroll for one semester and give them the opportunity to determine if they wish to pursue an M.Ed. or certification in Guidance and Counseling and complete the formal admissions process. Receiving a “Recommendation for Admission to the Jackson College of Graduate Studies & Research” does not insure acceptance or continuation in the Guidance and Counseling Program.

I. Admission Requirements for the M.Ed. in Education Guidance and Counseling Program:

Students seeking an M.Ed. in Guidance and Counseling must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 3.00 GPA in the last 60 hours attempted.

B. The Guidance and Counseling Application packet must be completed and received by the Guidance and Counseling Program by Friday of the 14th week of the semester to be considered for acceptance for the next full semester (fall or spring).

NOTE: Prospective students who do not meet one of the above requirements may appeal to the Guidance and Counseling Curriculum Committee for consideration of their application if they believe there are circumstances that should be taken into consideration.

C. Must complete an interview with at least two members of the Guidance and Counseling Curriculum Committee with a favorable recommendation. Recommendations for admission are made through the Curriculum Committee for Guidance and Counseling. This Committee serves as a policy-making body, and considers applications for admission to the program and the internship. Any problems related to admission, retention, organization or administration of the program must be approved by this committee. The student has the right to appeal all decisions.
H. Supply the office of Jackson College of Graduate Studies & Research with a document showing that you possess a current Oklahoma standard teaching certificate or license. Students will not be admitted to the program without a teacher certificate.

I. Students in the Guidance and Counseling Program must maintain a “B” average in all graduate courses attempted with no grade below “C” in their graduate study.

J. Obtain three satisfactory recommendations from the University of Central Oklahoma faculty members. Recommendation forms may be obtained from the office of Jackson College of Graduate Studies & Research. Students must display the highest of ethical standards and adhere to guidelines in the University of Central Oklahoma Student Handbook and the Chi Sigma Iota Student Handbook: Guide to M.Ed. in Guidance and Counseling.

II. M.Ed. in Guidance and Counseling ............ 33 hrs

Sequence of Courses
Foundation of Educational Research (PTE 5013) and Principles of Guidance (GUID 5013) are the first courses to take in the Guidance and Counseling sequence. Theories and Techniques of Individual Counseling is a prerequisite for Theories of Group School Counseling. Study the course listings and prerequisites carefully to assist scheduling and consult with your advisor.

Program of Study
*PTE  5013  Foundations of Educ. Research
*PTE  5383  Principles of Tests and Measurements
PTE  5153  Advanced Developmental Psychology in an Educational Setting
*GUID  5013  Principles of Guidance and Counseling
GUID  5133  Multicultural Counseling
*GUID  5443  Career Guidance
*GUID  5163  Theories & Techniques of Individual School Counseling
GUID  5113  Theories & Techniques of Group School Counseling
GUID  5253  Developmental Guidance
* GUID  5153  Counseling Intervention Strategies
** GUID  5953  Internship

Total Hours Required 33 Hrs

*Do not require permission to enroll.
** Must be taken last in the course sequence. This course is a 100-hour clinical experience in a school setting under the supervision of a school counselor. During this time the candidate will be exposed to all aspects of the role and function of the school counselor. The class will also meet once a week on campus for supervision.
**Program:** Instructional Media  
**Degree:** Master of Education (M.Ed.)  
**College:** Education

### Master of Education (M.Ed.)

The Master of Education in Instructional Media offers two options for educators interested in technology and information skills.

- **Library Information**
- **Applied Technology**

The **Library Information option** is designed according to requirements set forth by the Oklahoma State Department of Education for standard certification as a School Library Media Specialist for grades PK through 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 librarianship.

The option serves a two-fold purpose: it enables students to earn an M.Ed. in Instructional Media that includes all the components for Oklahoma School Library Media Specialist Certification; and students already holding an M.Ed. may complete all or part of the required 24 hours of specialized course work for Library Media Specialist.

Completion of these degree requirements alone will not satisfy certification requirements for the Standard Library Specialist Certificate. Please refer to the certification guidelines in this section.

The **Applied Technology option** is designed to prepare students wishing to teach computer technology in the PK-12 common school setting. Though the State of Oklahoma does not currently have a standard teaching certificate in Computer Technology, the program has been designed as a broad, theoretical and hands-on program that will prepare both classroom/computer lab teachers and technology coordinators.

### I. Admission Requirements for the Instructional Media Program

Students seeking an M.Ed. in Instructional Media must fulfill the following requirements before they will be formally admitted to the program.

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

**Note:** No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

B. Earn eight hours of graduate credit at the University of Central Oklahoma with a minimum 3.00 GPA with no grade below a “C.”

C. Obtain three recommendations from University of Central Oklahoma faculty members. Recommendation forms are available in the Jackson College of Graduate Studies & Research.

D. Supply the Jackson College of Graduate Studies &

### II. Instructional Media Curriculum – 36 hours

#### A. Required Core Courses - both options........ 5 hours

- PTE 5013 Foundations of Education Research
- IME 5133 Production I
  - (prerequisite computer literacy)
- IME 5543 Instructional Design & Development I
- IME 5863 Production II (prerequisite IME 5133)
- IME 5953 Internship in Instructional Media--
  - (to be taken in last semester of program)

#### B. Library Infor. Option Required Courses 21 hours

- IME 5013 Library Materials for Secondary Schools
- IME 5023 Materials Selection
- IME 5053 Admin of the School Media Center
- IME 5223 Public Relations and Information Skills
- IME 5233 Library Materials for Elementary Schools
- IME 5423 Reference & Bibliography
- IME 5453 Cataloging & Classification

#### C. Applied Tech Option Required Courses .21 hours

- IME 5143 Instructional Tech Foundations
- IME 5243 Effective Writing in Instructional Tech
- IME 5313 Collaborative Design of Multimedia Materials
- IME 5323 Issues in Distance Education
- IME 5413 Managing Computer and Information Centers
- IME 5613 Instructional Design and Development II
  - (prerequisite IME 5543)
- IME 5713 Evaluation and Change in the Instructional Development Process
  - (prerequisites 5543 & 5613)
Program: Nutrition & Food Management
Degree: Master of Science (M.S.)

Master of Science (M.S.)

The Master of Science in Nutrition and Food Management is structured to provide knowledge and skills in human nutrition, principles of 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 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 or education, administration, and nutritional care and health promotion.

I. Admission Requirements for the M.S. in Nutrition and Food Management Program:

Students seeking an M.S. in Nutrition and Food Management must fulfill the following requirements before being formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

Nutrition and Food Management ....................... 32 hrs

The plan of study may be selected from the following:

PTE  5013  Found. of Educational Research (req.)
NTRN  5994  Thesis
NTRN  5893  Advanced Clinical Nutrition
NTRN  5910  Seminar in Nutrition & Food Mgmt.
NTRN  5213  Management of Nutrition Services
NTRN  5032  Nutrition Education
NTRN  5102  Newer Trends in Nutrition
NTRN  5184  Advanced Nutrition
NTRN  5322  Nutrition Assessment
NTRN  5402  Nutritional Concerns of Women
NTRN  5333  Computers in Nutrition and Food Mgmt.
NTRN  5962  Societal Impact on Aging

Available seminar topics may include, clinical nutrition, lifespan nutrition, experimental foods, food service financial management, pathophysiology, and entrepreneurship.

Dietetic Internship ................................. 32 hrs

The Dietetic Internship is accredited by the Commission on Accreditation/Approval of Dietetic Education.

Admission requirements for Dietetic Internship ONLY: In addition to meeting the admission requirements in I. above, the following requirements must be met.

1. Completion of Dietetic Program in Dietetics with a GPA of 3.00 in the last 60 hours of course work and no D’s or F’s in required courses.
2. Satisfactory completion of the Graduate Record Examination with a minimum total score of 1300 on the verbal, quantitative and analytical portions of the GRE and no score below 400 on any part.
3. A personal or telephone interview with members of the admissions committee may be arranged at the committee’s discretion.

NOTE: Applicants will be ranked on a point system for acceptance into the program since only a limited number of applicants can be accepted each semester. The University of Central Oklahoma participates in the computer-matching program sponsored by the American Dietetic Association.

Those courses marked with the asterisk (*) are required for the Dietetic Internship.

*PTE  5013  Foundations of Educational Research
*NTRN  5950  Internship: Nutrition/Food Mgmt
*NTRN  5913  Food Service Financial Management
*NTRN  5893  Advanced Clinical Nutrition
*OCTE  5912  Institute: Writing a Business Plan
ADED  5961  Presentation Application for the Adult Learner
ADED  5363  Psychology of Aging
NURS  5103  Pathophysiology
NTRN  5102  Newer Trends in Nutrition
*NTRN  5213  Management of Nutrition Services
*NTRN  5033  Nutrition Education
*NTRN  5322  Nutrition Assessment
NTRN  5332  Computers in Nutrition/Food Management
NTRN  5962  Societal Impact on Aging

Required seminar topics include entrepreneurship and food service financial management. Other seminar topics may include clinical nutrition, lifespan nutrition, experimental foods, and pathophysiology.
Program: Professional Health Occupations

Degree: Master of Education (M.Ed.)

College: Education

Master of Education (M.Ed.)

The Professional Health Occupations program is designed to assist the health occupations practitioner in the development of skills in curriculum development, in-service education, program evaluation and methods of teaching. UCO offers the only graduate program in the State of Oklahoma authorized to prepare and certify health occupations teachers.

Technological updates, new teacher orientation, and other special institutes and workshops are conducted in concert with state career technology department supervisory and curriculum personnel to familiarize students with current trends in the health occupations education field.

The professional health occupations program at the University of Central Oklahoma will assist health practitioners in making the transition to effective educators. The program provides the State of Oklahoma with a certification pathway for health occupations teachers.

The PHO degree program is specifically designed for the following groups of health related educators: dentists, dental hygienists, health agency based practitioners, nurses, physicians, allied health specialists (clinical laboratory technicians, respiratory therapists, EMTs, etc.).

I. Admission Requirements for the M.Ed. in Professional Health Occupations Program:

Students seeking an M.Ed. in Professional Health Occupations must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

B. Obtain three satisfactory recommendations from University of Central Oklahoma faculty members. Recommendation forms may be obtained from the Jackson College of Graduate Studies & Research.

C. Students desiring to teach Professional Health Occupations in a public school setting must qualify for an Oklahoma Standard Secondary Health Occupations Certificate and may require a number of undergraduate and graduate hours in addition to the 32 graduate hours required for the Master’s degree.

In addition, students in this program must have professional credentials from one of the health professions ranging from medicine and dentistry at the doctoral level to allied health practitioners at the baccalaureate level. Credentials to satisfy this requirement shall be presented

II. M.Ed. in Professional Health Occupations 32 hrs

A. Education and Psychological Foundations 6-24 hrs
B. Educational Methods and Curriculum 8-12 hrs
C. Thesis Option - Students in this program may elect to write a professional thesis for no less than two (2) and no more than four (4) graduate credit hours.
D. Related Electives to total 32 graduate hours
I. Admission Requirements for the M.A. in Psychology Program:

Students seeking an M.A. in Psychology must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

B. Attain a combined score of 900 on the Verbal and Quantitative, OR attain 3.5 or greater on the GRE Writing Assessment Test.

C. Complete all prerequisite requirements. The prerequisites are considered deficiencies and therefore will not count toward meeting the graduate hour requirement for the M.A. in Psychology.

Prerequisites:

A Bachelor’s Degree in Psychology, OR completion of the following courses or their equivalents:

- PSY 2703 General Psychology
- PSY 2753 Intro. to Psychological Statistics
- PSY 3813 Advanced Psychological Statistics
- PSY 3833 Experimental Psychology
- PSY 3841 Experimental Psychology Lab
- PSY 3903 Physiological Psychology
- PSY 4753 Abnormal Psychology
- PSY 4763 Psychology of Learning

D. PSY 5051 Professional Career Planning is an entry level course for the graduate student in Psychology. It should be taken the first semester along with any required prerequisite courses. All other graduate courses require permission prior to enrollment, and may not be taken until this course and all prerequisites are completed. If no prerequisite courses are required, the student may take PSY 5051 concurrent with other graduate courses.

II. Advisement

Each student will have an advisor or advisory committee appointed by the chairperson of the Department of Psychology. The purpose of the advisor or advisory committee is to direct the program for each student. This will include determining the equivalency of courses taken at other colleges or universities and assessing deficiencies which need to be completed before admission to the program. The advisor or advisory committee will work with the student to develop a formal, individual plan of study which will be submitted to the Jackson College of Graduate Studies & Research.

III. Master of Arts in Psychology Curriculum 40-60 hrs

<table>
<thead>
<tr>
<th>Core Curriculum</th>
<th>23-25 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Core Courses</td>
<td></td>
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<tr>
<td>PSY 5013 BioSocial Psychology</td>
<td></td>
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<tr>
<td>PSY 5033 Cultural and Gender Diversity</td>
<td></td>
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<tr>
<td>PSY 5143 Advanced Developmental Psych</td>
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<tr>
<td>PSY 5193 Experimental Design</td>
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<tr>
<td>PSY 5563 Advanced Social Psychology</td>
<td></td>
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<tr>
<td>PSY 5633 Modern Learning Theories</td>
<td></td>
</tr>
</tbody>
</table>

B. Capstone Experience            | 4-6 hrs  |

- PSY 5902-3 Practicum I and II OR
- PSY 5994-6 Thesis

Program Option Course Work        | 17-35 hrs|

Courses to be determined by the student’s advisory committee depending on the student’s degree option, career goals, licensure and certification requirements

IV. Program Options

A. General Experimental Option

The General Experimental option is a flexible, multipurpose degree program. One of its major strengths is in preparing students to pursue the doctoral degree in psychology. The program is also structured to provide the knowledge and skills necessary to qualify students for specialized employment opportunities.

The General Experimental option requires a minimum of 40 graduate credit hours. In addition to the core courses required for all M.A. students, students exercising the General Experimental option must also enroll in PSY 5343 Psychology as Science; PSY 5753 Advanced SPSS; and PSY 5383 Multivariate Analyses in Psychology, and additional course work as required by the advisory committee.

Students for the Master of Arts in Psychology 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.

B. Counseling Option

The Counseling Program option 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 program are expected to:

• develop an understanding of the importance of the scientific inquiry and their contributions to the counseling assessment, diagnosis, evaluation, and intervention determination within the multi-disciplinary team process for children with disabilities;
• demonstrate knowledge and skills in prevention, intervention, consultation, and counseling;
• demonstrate knowledge and skills in effective communication and collaboration;
• demonstrate knowledge and application of statistics, research methodologies/designs, measurement, and program evaluation;
• understand and integrate into practice psychological and educational foundations.  

Students desiring a School Psychologist Certificate must also meet certification requirements and prepare a professional portfolio as they progress through the program.

Certification requirements include a 1200 hour internship and state or national examination/s.
Program: Reading

Degree: Master of Education (M.Ed.)

College: Education

The Master of Education in Reading is designed to meet requirements set forth by the Oklahoma State Department of Education for Standard Certification as a Reading Specialist for grades one through twelve. A graduate curriculum in Reading is designed to use numerous educational settings to prepare the student 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, and reading coordinators.

The program will provide the student the opportunity to develop competencies in human relations; leadership; program development, maintenance, and improvement; and diagnostic studies. The student will learn the proper methods to inform parents and teachers of the reading needs of their children, as well as a thorough knowledge of referral services.

I. Admission Requirements for the M.Ed. in Reading Program:

Students seeking an M.Ed. in Reading must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.

B. Complete all prerequisites, if any, as determined by the graduate advisor.

NOTE: If a deficiency exists in one of the areas listed under "B, the student may petition for admission under the following criteria:

1. Take an essay examination.
2. Interview with the Reading Program Committee (whose decision will be final).

C. Complete the following prerequisites for the M.Ed. Degree in Reading:

2. Have completed a minimum of six semester hours of course work in the following areas:
   a. One course in Reading Methods.
   b. One course in Language Arts or Literature (Children’s or Adolescent).
3. Two years of successful teaching experience and/or clinical reading experience in an accredited elementary or secondary school. This requirement may be waived by the Director of the Reading Program. However, it must be complied with before certification requirements can be met. If the experience is teaching, a year is considered to be six months (120 days) or more of full-time work in one session or two consecutive sessions. If the experience is clinical, a year is considered to be two months (40 days) or more of full-time work in one session or two consecutive sessions.

D. Permission from the Reading Program Director.

E. Obtain three satisfactory recommendations from University of Central Oklahoma graduate faculty members. Recommendation forms may be obtained from the Jackson College of Graduate Studies & Research.

F. Supply the Jackson College of Graduate Studies & Research with a document showing a current Oklahoma Standard Teaching Certificate or License.

II. M.Ed. in Reading Curriculum .................. 32 hrs

<table>
<thead>
<tr>
<th>Block</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Reading Block</td>
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</tr>
<tr>
<td>Theoretical Foundations of Reading</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Diagnosis and Correction</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Clinical Experience</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Professional Development</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

One course must also be taken from each of the following areas:

- Professional Education: 11-12 hrs
  - Research: 3 hrs
  - Language and Literacy: 3 hrs
  - Measurement: 2-3 hrs
  - Theories and Methods of Learning: 2-3 hrs

Elective course work to complete the 32 minimum hours required for the M.Ed. in Reading.

III. Capstone Experience

The Capstone Experience for a M.Ed. in Reading involves successful completion of the final course in the program: Clinical Practices in Reading. In this class information pertaining to theory, diagnosis, and treatment is applied in a clinical setting.
Program: Special Education
Degree: Master of Education (M.Ed.)

The specific goal of the Special Education Program 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 of 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 relevant research skills.

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 learning disabilities, mental retardation, and emotional/behavioral disorders at mild-moderate levels.

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 mental retardation, emotional/behavioral disorders and physical and health disabilities at severe-profound/multiple disability levels.

Each program provides practicum experiences with exceptional children in various settings. To receive an Oklahoma license to teach, students must also complete professional teacher education courses and pass the appropriate certification tests.

I. Admission Requirements for the M.Ed. in Special Education Program:

Students seeking an M.Ed. in Special Education must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23. **Note: No student will be admitted to this program or to the Jackson College of Graduate Studies and Research who does not meet the program admission standard of 2.75 GPA overall, or 2.75 GPA in the last 60 hours attempted.**
B. Complete all prerequisites, if any, as determined by the graduate advisor.
C. Obtain three satisfactory recommendations from the University of Central Oklahoma faculty members. Recommendation forms may be obtained from the Jackson College of Graduate Studies & Research.
D. Supply the Jackson College of Graduate Studies & Research forms may be obtained from the Jackson College of Graduate Studies & Research.

II. M.Ed. in Special Education Curriculum ..........37 hrs

(For Mild-Moderate Disabilities, Severe-Profound/Multiple Disabilities options)

<table>
<thead>
<tr>
<th>Core Courses ......................................................</th>
<th>19 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 5833 Diagnosis/Intervention in Reading</td>
<td></td>
</tr>
<tr>
<td>SPED 5102 Language Development in Special Education</td>
<td></td>
</tr>
<tr>
<td>SPED 5212 Legal Aspects of Special Education</td>
<td></td>
</tr>
<tr>
<td>SPED 5303 Assessing the Exceptional Individual</td>
<td></td>
</tr>
<tr>
<td>SPED 5232 Educational Strategies for Young Children with Special Needs</td>
<td></td>
</tr>
<tr>
<td>SPED 5443 Behavior/Classroom Management</td>
<td></td>
</tr>
<tr>
<td>SPED 5452 Curriculum Modification/Assistive Technology in Special Education</td>
<td></td>
</tr>
<tr>
<td>SPED 5582 Secondary Special Education</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mild-Moderate Disabilities ....................................</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 5242 Found. of Mild-Moderate Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 5842 Curriculum Development for Mild-Moderate Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 5653 Procedures for Mild-Moderate Learning Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 5763 Procedures for Mild-Moderate Mental Retardation</td>
<td></td>
</tr>
<tr>
<td>SPED 5743 Procedures for Mild-Moderate Emotional/Behavioral Disorders</td>
<td></td>
</tr>
<tr>
<td>SPED 5901 Practicum in Special Education (Mild-Moderate Disabilities)</td>
<td></td>
</tr>
<tr>
<td>SPED 5901 Practicum in Special Education (Emotional/Behavioral Disabilities)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Severe-Profound/Multiple Disabilities .....................</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 5252 Found. of Severe/Profound Disab.</td>
<td></td>
</tr>
<tr>
<td>SPED 5852 Curriculum Development for Severe/Profound Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 5773 Procedures for Severe/Profound Mental Retardation</td>
<td></td>
</tr>
<tr>
<td>SPED 5753 Procedures for Severe/Profound Emotional/Behavioral Disorders</td>
<td></td>
</tr>
<tr>
<td>SPED 5693 Procedures for Severe/Profound Physical and Health Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 5901 Practicum in Special Education (Severe/Profound/Multiple Disabilities)</td>
<td></td>
</tr>
<tr>
<td>SPED 5901 Practicum in Special Education (Emotional/Behavioral Disabilities)</td>
<td></td>
</tr>
</tbody>
</table>

Students who have not previously met certification requirements will need to complete the major support courses, professional education courses, and pass the Severe-Profound/Multiple Disabilities Certification Test to be recommended for certification from the University of Central Oklahoma.
Program: Speech-Language Pathology
Degree: Master of Science (M.S.)

Application Deadline: February 1, to be considered for the following Summer semester. This program begins in the Summer semester.

The Master degree in Speech-Language Pathology is designed to complete the academic and practical preparation for individuals seeking the professional credentials for working with persons who exhibit disordered communication. The program is designed to prepare individuals to serve in a variety of professional settings and with a variety of populations. Completion of the program satisfies 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.

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. Upon admission to the graduate program, students complete graduate level courses to further their understanding of normal and disordered human communication. Ultimately, students apply this knowledge in accumulating a minimum number of practicum clock hours representing experiences with a variety of disorders, settings and populations.

Students seeking an M.S. in Speech-Language Pathology must fulfill the following requirements before they will be formally admitted to the program:

I. Admission Requirements

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

B. Meet the GPA requirement of 2.75 overall, or 2.75 in the last 60 hours attempted.

C. Complete all prerequisites, if any, as determined by the graduate advisor.

D. Earn a minimum GPA of 3.00 in a minimum of 24 credit hours of Speech-Language Pathology course work with no grade below a "C".

E. Obtain three satisfactory recommendations from UCO faculty members. Forms are available in the Jackson College of Graduate Studies & Research.

F. Satisfactory evidence of interpersonal skills and scholastic potential based on submitted letters of reference and rating forms.

Students entering the Speech-Language Pathology graduate program must have completed a minimum of 24 credit hours of Speech-Language Pathology prerequisite course work. These prerequisites may or may not be available for graduate credit, depending upon the student’s standing with the Jackson College of Graduate Studies & Research. These prerequisites are considered deficiencies and will not count toward the requirements for the Master's degree. Students will not be allowed to enroll in Practicum until formally accepted into the program.

Prerequisite
A Bachelor's Degree in Speech-Language Pathology or equivalent, or the following courses or their equivalent:
- Foundations of Speech-Language Pathology
- Speech and Hearing Mechanism
- Acoustic Phonetics
- Normal Language Development
- Audiology
- Articulation Disorders
- Language Disorders

Due to accreditation limits on faculty-student ratio, it is necessary to restrict the number of students admitted to the graduate Speech-Language Pathology program.

The application must be received by the Program Director by February 1 to be considered for the following Summer semester. Summer semester is the only point at which students are permitted to begin the graduate program. Students will be selected on the basis of their potential to successfully complete the graduate program.

II. M.S. in Speech-Language Pathology .......... 35 hrs

Depending upon undergraduate background, students must complete an approved program of a minimum of 35 semester hours of graduate credit through advisement by the program director of Speech-Language Pathology. Specific course information is available through the Speech-Language department.

Although some variations may be required to address different academic backgrounds, a typical course sequence to complete the Masters Degree would be as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP 5243</td>
<td>Diagnostic Methods</td>
</tr>
<tr>
<td>SLP 5363</td>
<td>Aphasia I</td>
</tr>
<tr>
<td>SLP 5302</td>
<td>Augmentative Communication</td>
</tr>
<tr>
<td>SLP 5292</td>
<td>Aphasia II</td>
</tr>
<tr>
<td>SLP 5252</td>
<td>Normal Language Development</td>
</tr>
<tr>
<td>SLP 5282</td>
<td>Advanced Articulation Disorders</td>
</tr>
<tr>
<td>SLP 5332</td>
<td>Legal Aspects in Speech-Language Pathology</td>
</tr>
<tr>
<td>SLP 5343</td>
<td>Dyshphagia</td>
</tr>
<tr>
<td>SLP 5262</td>
<td>Advanced Language Disorders</td>
</tr>
<tr>
<td>SLP 5232</td>
<td>Communication Disorders in Infants and Toddlers</td>
</tr>
<tr>
<td>SLP 5113</td>
<td>Speech and Hearing Science</td>
</tr>
<tr>
<td>SLP 5352</td>
<td>Cleft Palate</td>
</tr>
<tr>
<td>PTE 5013</td>
<td>Foundations of Educational Research</td>
</tr>
<tr>
<td>SLP 5900</td>
<td>Practicum 1-6 hrs for degree.</td>
</tr>
</tbody>
</table>
Program: Wellness Management

Degree: Master of Science (M.S.)

The Master of Science in Wellness Management program is unique and unavailable anywhere else in Oklahoma. It has been developed in response to the needs of numerous graduates associated with comprehensive health and high-level wellness concepts.

The MS in Wellness Management with two options is an interdisciplinary program involving courses offered in four other academic disciplines (Gerontology, Nutrition, Adult Education, and Substance Abuse Studies) as well as disciplines in Kinesiology and Health Studies.

Health Studies Option

This option provides an understanding of the comprehensive aspects of high-level wellness. The development of leadership and management skills enables the student to design a program and successfully perform the tasks and skills necessary to reach completion of the desired wellness outcomes. Wellness intervention strategies allow the student to assess the most appropriate means of reaching the desired result within the constraints of age, gender, level of health, and socioeconomic status. The effective utilization of technology in wellness management and disease prevention will be explored, acquainting the student with the effectiveness of mass media and technology as tools for educating and informing the public in a positive way. The elective courses in Gerontology, Nutrition, and Substance Abuse Studies allow the student to develop and optimize specific areas of need for wellness intervention and control of specific aspects of health and wellness.

Exercise Science Option

This option of the Wellness Management degree is designed to prepare the student to promote and manage positive, healthful 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.

For each option, a two- to four-hour Thesis or Internship is required. This requirement will provide the student with intensified experience and knowledge of wellness through a research project leading to the thesis or an on-site agency internship experience.

I. Admission Requirements for the M.S. in Wellness Management Program:

Students seeking an M.S. in Wellness Management must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.50 GPA overall, or 2.50 GPA in the last 60 hours attempted.

B. Complete all prerequisites, if any, as determined by the graduate advisor.

Health Studies Option ......................................... 32 hrs
Core Courses ....................................................... 5 hrs
KINS 5213 Leadership of Health, Fitness, and Wellness Programs
KINS 5113 Legal and Ethical Principles of Wellness Management
PHED 5393 Research Design and Evaluation in Kinesiology and Health Studies
HLTH 5313 Wellness Intervention Strategies and Skills
KINS 5223 Technology & Media for Wellness Managers

Required Course................................................. 2-4 hrs
HLTH 5952-4 Internship OR
HLTH 5992-4 Thesis

Fifteen hours must be selected from one of the following areas (A, B, or C):

Elective Courses Area A................................. 15 hrs
GERO 5023 Orientation to Gerontology
SOC 5053 Sociology of Aging
GERO 5363 Psychology of Aging
GERO 5443 Health and Physiology of Aging
ADED 5453 Psychology of Adult Development
GERO 5463 Bereavement Counseling
GERO 5743 Colloquium in Gerontology
ADED 5883 Advanced Instructional Methods
NTRN 5422 Societal Impact on Aging

Elective Courses Area B................................. 15 hrs
NTRN 5033 Nutrition Education
NTRN 5322 Nutritional Assessment
NTRN 5402 Nutritional Concerns of Women
NTRN 5422 Societal Impact on Aging
OCTE 5172 Organization and Administration of Health Occupation Programs
OCTE 5323 Methods of Teach. in Health Occupations
# Wellness Management

**Program:** Wellness Management  
**Degree:** Master of Science (M.S.)  
**College:** Education

## Elective Courses Area C .......................... 15 hrs
- SOC 5233 Human Behavior and Social Environment
- SAS 5273 Substance Abuse and the Family
- SAS 5303 Substance Abuse and Special Populations
- SAS 5333 Advanced Counseling Skills in Substance Abuse
- SOC 5463 The Abused
- SAS 5343 Prevention and Education in Substance Abuse Studies
- SAS 5943 Dual Diagnosis
- SAS 5943 Co-dependency

## Exercise Science Option ......................... 32 hrs

### Common Core Courses.......................... 15 hrs
- KINS 5213 Leadership of Health, Fitness, and Wellness Programs
- KINS 5113 Legal and Ethical Principles of Wellness Management
- PHED 5393 Research Design and Evaluation in Kinesiology and Health Studies
- HLTH 5313 Wellness Interventions Strategies and Skills
- KINS 5223 Technology and Media for Wellness Managers

### Required Courses ............................... 11-13 hrs
- PHED 5303 Physiological Basis of Human Perform.
- KINS 5303 Diagnostic Tests and Exercise Prescrip.
- KINS 5333 Rehabilitative Exercise for Special Populations
- KINS 5952-4 Internship OR
- KINS 5992-4 Thesis

### Elective Courses in Exercise Science - to total 32 hours
- ADED 5363 Psychology of Aging
- ADED 5443 Health and Physiology of Aging
- NTRN 5102 Newer Trends in Nutrition
- KINS 5423 Strength Dev. and Training Methods
- PHED 5403 Biomechanical Analysis
Preparation for Teacher Certification and Licensure

College: Education

Administration and Professional School Services

- School Principal
- Library Media Specialist
- School Counselor
- School Nurse
- School Psychologist
- School Psychometrist
- Reading Specialist
- Speech-Language Pathologist

Elementary and Secondary Certification Programs

- Art
- Bilingual/Multicultural Education - Special Enrichment Area
- Business Education
- Driver’s Education - Special Enrichment Area
- Early Childhood
- Elementary Education
- English
- Foreign Language
  - French
  - German
  - Spanish
- Mathematics
  - Advanced
  - Intermediate
- 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

Career Technology Programs

- Marketing Education
- Family & Consumer Sciences
- Trade and Industrial Education
- Business Education - certification test plus specific courses
- Health Occupations

Certification Requirements

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

Compliance with certification requirements is the responsibility of the individual seeking certification. Advisors can assist in the process, but compliance with all rules and regulations pertaining to certification is the responsibility of the candidate.

The individual seeking certification is responsible for following all guidelines presented in the University of Oklahoma undergraduate or graduate catalog, depending upon the academic level of the certificate sought. Graduate level certificates require graduate level course work and completion of a master’s degree for standard certification. Bachelor level programs require the completion of a bachelor’s degree for certification.

Periodically the program guidelines, course work, and state regulations change. It is the responsibility of the individual seeking certification to meet the revised standards. An individual should therefore periodically 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 UCO Teacher Education Services Office is located in Education Building, room 207, telephone 974-5710. Applications and other information regarding certification may be obtained from that office. Applications for certification based on the completion of the University of Central Oklahoma approved programs are processed through the Teacher Education Services Office.

To apply for certification, the individual should:

A. Complete all courses identified for general education and the respective professional education and specialization areas. Course lists may be obtained from the UCO Teacher Education Services.

B. Contact the appropriate department chairperson regarding the course work for the respective program, particularly if it seems likely that some courses previously completed could substitute for required courses in the program. Official substitution forms should be completed where courses, based on their titles, do not seem to match. If course names and levels from different institutions are equivalent, substitutions are NOT necessary.

C. Apply for admission to teacher education following the procedures and guidelines enumerated in “Admission to Teacher Education.”

D. Apply to student teaching following the procedures and guidelines enumerated in the section entitled “Admission to Student Teaching.” Guidelines are in
Preparation for Teacher Certification and Licensure

College: Education

the Teacher Education Services Office (Ed 207).

E. Apply to take the appropriate state certification examinations according to UCO guidelines and suggested timeline. Application is made through the Teacher Education Services Office.

F. For recommendation for the initial license or certificate, the applicant is required to meet all academic standards mandated for admission to student teaching and degree requirements.

G. After completing certification requirements obtain an application for certification from Teacher Education Services Office.

H. For certification at any level the applicant must hold a bachelor’s degree. For certification in graduate programs, the applicant must hold a master’s degree.

I. After all applicable course work has been posted on the UCO transcript, including the degree, if appropriate, candidates submit a complete UCO official transcript along with the completed license or certificate application form to the UCO Teacher Education Services Office for review and recommendation. If courses needed for certification were completed at an institution other than UCO and those courses do NOT appear on the UCO transcript, 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 course work.

J. Effective November 1, 2001, Oklahoma requires applicants for initial teacher licensure to have on file with the Oklahoma State Board of Education a current OSBI and FBI fingerprint-based criminal history record. Fingerprint cards for this purpose are available in the Education Building, Room 207.

K. When the Director of Teacher Certification at UCO completes the review of course work with respect to the appropriate UCO approved program requirements and certifies that those requirements have been completed, and the Dean concurs, the application is then forwarded to the Teacher Certification Section of the State Department of Education.

Residence Requirement

In order for the University of Central Oklahoma to recommend a candidate for certification, candidates must meet all requirements for teacher education. In addition, candidates must complete at least their last 24 semester hours in the area of specialization (the teaching field) and professional education at UCO. These 24 semester hours must include the following.

PTE 4901 Practicum in Professional Teacher Education (if Educational Psychology taken elsewhere)

PTE 4522 Instructional Designs
PTE 4812 Contemporary Issues
PTE 4828, 4838, or 4848 Directed Observation and Student Teaching

Neither CLEP tests nor advanced standing tests, nor teaching experience may be used to meet the UCO residency requirements.

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, or the Bachelor of Music Education degrees (or otherwise qualify to teach) are required to make formal application to the chairperson of the Council on Teacher Education. They are encouraged to do so after completing 40 semester hours and meeting criteria. Application is generally made awhile completing PTE 3023, Foundations of American Education.

Application for admission to teacher education must be made no later than Friday of the third week of the fall semester to enroll in restricted professional teacher education courses for the spring term and no later than Friday of the third week of the spring semester to enroll in restricted professional education courses for the summer and fall terms. Applications are available in Teacher Education Services, ED 207.

The requirements for admission to teacher education beginning Fall 2000 are listed below:

A. Achieve a 2.75 minimum grade point average (GPA) in all courses.
B. Achieve a 2.75 minimum GPA in degree certification major or common courses required for majors with no grade lower than a "C".
C. Achieve a 2.75 minimum GPA in Professional Education courses with no grade lower than "C".
D. Successfully completed 40 semester hours of college credit.
E. Show documentation of experiences of working with children (completion of PTE 3023 or concurrent enrollment will satisfy this requirement).
F. Demonstrate a proficiency in written and oral English as indicated by having grade of “C” or better in six hours of English Composition.
G. Early Childhood, Elementary, and Special Education majors must make a “C” or better in all supportive coursework.
H. Pass the Oklahoma General Education Test (OGET). Beginning Spring 2001, candidates must pass the OGET prior to application for teacher education.
I. Interview with a departmental faculty advisor to review his/her plans, requirements of the program, etc. The faculty advisor will submit a recommendation to the Council on Teacher Education regarding candidate
Students transferring to the University of Central Oklahoma from other institutions at the beginning of the junior year or later will be expected to meet the above conditions before beginning professional teacher education courses. If students have been admitted to another teacher education program at an accredited university, they must formally apply and meet all admission requirements at UCO. Transfer students seeking to take teacher education courses before the formal application period each semester may have their transcripts evaluated in Teacher Education Services to receive special permission to enroll in courses while undergoing the formal application process. They should also provide documentation of program admission from the originating university.

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

Testing Requirements
Individuals seeking certification must satisfactorily complete the Certification Examinations for Oklahoma Educators before applying for certification and before certificates can be issued by the state. The state curriculum examinations are administered at least four times each year on a set schedule with advanced registration required. Three different exams are required:

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

Applications for the state competency examinations are available in Teacher Education Services (ED207). Application for the tests must be completed through that office and approved by the Director of Certification. Study guides are available at the reserve desk in Max Chambers Library or can be obtained from National Evaluation Systems.

College Credit
Only work completed in state and regionally accredited colleges and universities, or transfer credit validated by accredited colleges, 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.

Students 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 university having an approved program in that certificate area shall have their work evaluated by the receiving institution. Transferring students shall expect to satisfy all requirements imposed by the approved program of the receiving institution in qualifying for a standard certificate.

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.

Course Work Completed in Community Colleges
Only 64 semester hours of credit taken in an accredited community college may be counted toward satisfying the general education and specialized education requirements of an approved certificate program. Work taken in an accredited community college after achieving sixty-four (64) or more semester hours may count toward certification in the areas of general education and specialized education providing the following guidelines are met:

A. The course work is lower division work as determined by the course level assigned to the course by the four year institution that will make recommendation for certification. If UCO designates a course as a junior or senior level course (3000 or 4000 level), then a comparable course completed at a junior college will NOT substitute for the course in the UCO approved teacher certification program.

B. The course work is applicable in meeting the approved program of certification at the recommending institution.

C. The course work CANNOT include any early childhood nor elementary specialization area courses (this refers to the 40 hours of specialization).

D. The course work CANNOT include any teacher education courses (this refers to courses in the 30-33 hours in teacher education).

E. The course work is counted in lieu of an equal number of hours of the 64 already taken at a junior college so that no more than 64 semester hours, in total (including all general education), are being counted from junior 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. Junior colleges do not have state approved teacher certification programs.
**Issuance of a Initial License**

The State Board of Education shall issue a license to teach to any person who completed his/her initial teacher education program after January 31, 1982, has not taught in a state accredited elementary or secondary school for a minimum of one year and completed the residency-year requirements, and who meets all of the following requirements: (If the individual completed his/her initial teacher education program prior to February 1, 1982, he/she should contact the State Department of Education regarding their certification requirements.)

A. Has successfully completed all training and courses required by the State Board of Education based on the guidelines and program in effect at the time of application for certification.
B. Has graduated from an accredited four year college or university and holds the standard baccalaureate degree. (The only exceptions are for students applying for certification in specific vocational-technical programs);
C. Has made the necessary application for the certification exams and paid the certification examination fees.
D. Has received a passing score on the certification examination.
E. Has made application to the State Department of Education on the appropriate State of Oklahoma form and paid the appropriate application fee for each class of certificate sought.
F. Has received recommendation from the preparing institution for the certificate desired if the teacher preparation work was completed in Oklahoma. The State of Oklahoma certificate application form must be signed by the Dean and Director of Teacher Certification.
G. Has met all other requirements as may be established by The State Board of Education including meeting the recency requirement at the time of application for certification. The applicant should contact the State Department of Education regarding current recency requirements.

**Issuance of Standard Certificates**

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

If the individual completed his/her initial teacher education program after January 31, 1982, he/she must have passed the applicable state certification examination, completed one year of teaching in a state accredited elementary or secondary school, and for Oklahoma teachers, have successfully completed the residency-year program and received recommendation by the residency-year committee. The individual must then make application to the State Department of Education and pay the certification fee. (If the individual completed his/her initial teacher education program prior to February 1, 1982 he/she should contact the State Department of Education regarding their certification requirements).

**Issuance of a License or Certificate for Additional Certification Areas**

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

A. Complete the specialization area courses based on the UCO state approved program.
B. Complete a minimum of the last nine semester hours toward the new certification area through the University of Central Oklahoma.
C. Satisfactorily complete the applicable state certification examination(s).
D. Complete the appropriate developmental psychology course (e.g. child, adolescent, or developmental) for the level of the new certification area if the course was not completed previously (see the professional education work sheet for the new specialization area).
E. Complete the course SPED 4123 Theories and Techniques of Exceptional Individuals if not previously completed.
F. Make application for the new license/certificate through the Teacher Education Services Office (ED 207) following the required procedures.

**Teaching Certificate Definitions and Overview**

For certification to be received, an individual must hold a bachelor’s degree and have completed the course requirements in professional education and in the area specialization, and have received a passing score on the applicable state certification examination(s).

A. License - The class of certification for entry-level teachers is a license. Application for licensure is made through UCO.
B. Standard Certificate - The license will be changed to a standard certificate upon successful completion of the residency year program and application to the State Department of Education for a certificate.
C. Emergency Certificate - This certificate is issued only in emergency cases upon request and recommendation from a local school superintendent, who shall state the school’s intention to employ the applicant if the certificate is granted.

All emergency certificates are valid only within the school district upon whose request they are granted. For those individuals who obtain emergency teaching certificates, it is recommended that they contact the Director of Field Experiences in Teacher Education Services prior to
secondary school and has had no student teaching experience may complete the alternative plan for student teaching. The plan requires that the individual enroll in the four-semester hour in-service supervised teaching experience at the University of Central Oklahoma (permission and documentation of employment are required for enrollment). The in-service supervised teaching experience shall be completed during the first year that the teacher is employed in an accredited school. Permission from the school superintendent for participation in the in-service supervised teaching experience is required, and the individual must be supervised by UCO.

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

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

Upon the completion of one year of teaching, the in-service supervised teaching experience, the residency year assistance program, successful completion of the appropriate certification examination(s), and other requirements appropriate to the certificate sought, the applicant may be recommended for a standard certificate.
This certificate authorizes the holder to supervise and/or administer Library Media services in grades K-12 in any accredited school in Oklahoma and to teach Library Media Skills in grades K-12.

**Standard Library Media Specialist Certificate**

A master’s degree is required for Standard certification.

**A. Standard Certificate Program for applicants NOT holding a Master’s Degree**


2. 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.

3. If the applicant does not already hold a master’s degree in the above areas, specialized course work to fulfill standard certification requires 33 semester hours in the area of specialization, including:
   a. Library Media Management
      IME 5053 Administration of School Media Center
   b. Reference
      IME 5423 Reference and Bibliography
   c. Selection of Print and Non-print Materials
      IME 5023 Materials Selection
   d. Cataloging of Print and Non-print Materials
      IME 5453 Cataloging & Classification
   e. Books and Materials for Children
      IME 5233 Library Materials for Elementary Schools
   f. Books and Materials for Young People
      IME 5123 Library Materials for Secondary Schools
   g. Instructional Materials Production
      IME 5133 Production I
      IME 5863 Production II
   h. Design and Development of Instructional Materials
      IME 5543 Instructional Design & Development I
   i. Public Relations for School Library Media Programs
      IME 5223 Public Relations and Information Skills
   j. Internship
      IME 5953 Internship in Instructional Media

4. The applicant shall pass the State Teacher Certification test for Library Media Specialist.

5. The applicant must have completed an undergraduate course in Psychology of Exceptional Children.

**B. Standard certification program for applicants already holding a master’s degree**

1. The applicant shall satisfy all criteria related to specific requirements for other certified personnel certificate programs as stated on page 141 of Appendix H of the Teacher Education and Certification Guidelines and Procedures Handbook, and admission standards, general education and professional education requirements as stated on pages 19-24 of the Teacher Education and Certification Guidelines and Procedures Handbook.

2. 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.

3. If the applicant already holds a Master’s Degree in one of the above areas, specialized course work to fulfill standard certification requires 24 semester hours in the area of specialization from areas (a-l), with areas (a-f) being required courses:
   a. Library Media Management
      IME 5053 Administration of the School Media Center
   b. Reference
      IME 5423 Reference and Bibliography
   c. Selection of Print and Non-print Materials
      IME 5023 Materials Selection
   d. Cataloging of Print and Non-print Materials
      IME 5453 Cataloging & Classification
   e. Books and Materials for Children
      IME 5233 Library Materials for Elementary Schools
   f. Books and Materials for Young People
      IME 5123 Library Materials for Secondary Schools
   g. Instructional Materials Production
      IME 5133 Production I
      IME 5863 Production II
   h. Design and Development of Instructional Materials
      IME 5543 Instructional Design & Development I
   i. Public Relations for School Library Media Programs
      IME 5223 Public Relations and Information Skills

4. The applicant shall pass the state teacher certification test for Library Media Specialist.

5. The applicant must have completed an undergraduate course in Psychology of Exceptional Children.

**C. Standard certification program for applicants who already hold a master’s degree in library science.**

Alternative Certification is available with a Master’s Degree in Library Science and 6-12 hours of teacher education courses, depending on work experience.

1. Student teaching will not be required if the applicant
Preparation for Library Media Specialist Certification

College: Education

**General Guidelines**

1. All courses applicable to the Master of Education in Instructional Media Degree must be taken at the graduate level. Applicable courses taken at the undergraduate level may apply toward certification, but will not apply toward the Master’s Degree.

2. A minimum of at least the last nine semester hours of course work must be completed at the University of Central Oklahoma for certificate recommendation by UCO.

3. The applicant shall satisfactorily complete the state curriculum examination in the area of Library Media Specialist prior to being issued a standard license/certificate.

4. The applicant shall hold a Bachelor’s Degree from an accredited institution.

5. The applicant shall satisfy all general regulations of eligibility including, for the standard certificate, completion of the course SPED 4722 Psychology of Exceptional Children or its equivalent.

6. Five semester hours of course work or three years of teaching experience in a state accredited school. The applicant must have been completed within the five year period immediately preceding the date of application for certification for a certificate to be issued by the Oklahoma State Department of Education.

7. Individuals who have not previously completed a teacher education program must apply for, and be admitted to teacher education and to student teaching at the University of Central Oklahoma and complete all program requirements before certification recommendation will be made.

8. The applicant must satisfy all criteria relating to specific requirements for elementary-secondary school certification programs, including admission to teacher
General Guidelines
1. The applicant shall satisfy all general regulations of eligibility including, for the standard certificate, completion of the course SPED 4722 Psychology of Exceptional Children.
2. The applicant shall hold and maintain a valid Oklahoma standard certificate in one of the following areas: Early Childhood, Vocational-Technical, Library Media Specialist, Speech-Language Pathology, or an Elementary/Secondary teaching field.
3. The applicant is required to have had two years of teaching experience in an accredited elementary school, middle school, junior high school, or senior high school.
4. The applicant shall hold a Master's Degree granted by an institution accredited by a regional accrediting association.
5. The applicant must successfully complete the Elementary, Middle School, or Secondary School Principal State Curriculum Examinations prior to being issued a certificate.
6. All courses taken for administration certification must be completed at the graduate level.
7. A minimum of the last nine semester hours of course work must be completed at the University of Central Oklahoma for certificate recommendations by UCO.
8. In order to qualify for the Vocational Administration Endorsement, the course EADM 5663 Organization & Administration of Vocational-Technical Programs must be completed in addition to the minimum certificate requirements for the Secondary Principal Certificate.

Preparation for School Principal Certification

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Course Work</th>
<th>34 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Found. of Educational Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5543</td>
<td>Fundamentals of Public School Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5153</td>
<td>Advanced Developmental Psychology in an Educational Setting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5453</td>
<td>Interpersonal Relationships in School Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5673</td>
<td>School Personnel Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5681</td>
<td>Curriculum Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5623</td>
<td>Supervision and Evaluation of Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5553</td>
<td>Legal Aspects of School Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5353</td>
<td>Computer Applications and Technology for School Admin.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5814</td>
<td>Principalship/Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
The certificate authorizes the holder to serve as a Reading Specialist in grades K-12 in any accredited school in Oklahoma. This is a graduate level 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 methods
   b. One course in language arts methods or literature (children’s or adolescent)
3. For standard certification, the applicant must have completed the course SPED 4722 Psychology of Exceptional Children (or an equivalent course).
4. Candidates receiving the Reading Specialist Certificate must hold a standard teaching certificate in early childhood, elementary education, elementary-secondary, or secondary education.
5. A minimum of two years teaching experience is required in an accredited elementary or secondary school for certification.

**General Guidelines**

1. For the standard certificate, the applicant must hold a Master’s Degree granted by an institution accredited by a regional accrediting association.
2. The applicant must successfully complete the state curriculum examination in the area of Reading Specialist prior to being issued a certificate.
3. All courses taken for Reading Specialist Certification must be completed at the graduate level.
4. The program for Reading Specialist Certification includes 32 semester hours of graduate course work for the standard certificate. The specific courses are outlined below.
5. 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.

**Reading Specialist Certificate Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 5623</td>
<td>Foundations and Survey of Reading</td>
</tr>
<tr>
<td>READ 5663</td>
<td>Theoretical Basis of Reading</td>
</tr>
<tr>
<td>READ 5843-*1</td>
<td>Diagnosis and Correction of Reading Disabilities</td>
</tr>
<tr>
<td>READ 5443-*2</td>
<td>Advanced Diagnostic Prescriptive Procedures</td>
</tr>
<tr>
<td>READ 5854</td>
<td>Clinical Practices in Reading</td>
</tr>
<tr>
<td>READ 5913</td>
<td>Seminar: Balanced Reading Program- Phonics to Comprehension</td>
</tr>
</tbody>
</table>

*A Note: These courses must be taken in sequential order according to the superscript numbers.*

**B. Professional Education Area**

Professional Education course work designed to fulfill master’s degree requirements shall be completed in each of the following areas for certification. A maximum of one course in each area will be counted.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 5343</td>
<td>Linguistics -Summer</td>
</tr>
<tr>
<td>ENG 5323</td>
<td>History of the English Language</td>
</tr>
<tr>
<td>GUID 5333</td>
<td>Individual Test Interpretation- Summer,Fall</td>
</tr>
<tr>
<td>PTE 5413</td>
<td>Educational Statistics</td>
</tr>
<tr>
<td>PSY 5803</td>
<td>Individual Testing Techniques- Wechsler</td>
</tr>
<tr>
<td>PTE 5383</td>
<td>Principles of Test and Measurements</td>
</tr>
</tbody>
</table>

*Note: These courses must be taken in sequential order according to the superscript numbers.*
School Counselor
This certificate authorizes the holder to serve as a counselor in any accredited school in Oklahoma.

General Guidelines
1. The applicant shall hold a valid classroom teaching certificate.
2. The applicant shall have a minimum of two years classroom teaching experience in an accredited school within the five years immediately preceding the date of application for certification.
3. The applicant must satisfactorily complete the state curriculum examination for School Counselor prior to receiving a Standard School Counselor Certificate.
4. All course work must be at the graduate level.
5. The last nine semester hours of course work must be completed at the University of Central Oklahoma for recommendation by UCO.
6. For standard certification the applicant shall hold a master’s degree granted by an institution accredited by a regional accrediting association.
7. Complete all requirements for admission to the program in Guidance and Counseling and be accepted into the program by the Guidance and Counseling curriculum committee.
8. For certificate recommendation, the applicant shall have completed the approved program for certification as a school counselor as outlined below and successfully passed the appropriate state required exams.

Preparation for School Counselor Certification

<table>
<thead>
<tr>
<th>School Counselor Required Course Work</th>
<th>33 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013 Foundations of Educational Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5013 Prin. of Guidance &amp; Counseling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5443 Career Guidance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5473 Theories &amp; Techniques of Individual School Counseling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5483 Theories &amp; Techniques of Group School Counseling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5153 Counseling Intervention Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5253 Developmental Guidance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5153 Advanced Developmental Psychology for Educational</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
This certificate authorizes the holder to serve as a School Psychologist in any accredited school in Oklahoma.

**Prerequisites**

1. The applicant shall hold and maintain a valid standard certificate in one of the following areas: early childhood, elementary, elementary-secondary, or secondary teaching certificate. If no teaching certificate is held, the applicant must have completed the following course work:
   - **ECED 4073 Language Development and Emergent Literacy** OR
   - **ELED 4063 Teaching Reading in the Primary Grades**
   - **ELED 4333 Teaching Mathematics in Intermediate Grades** OR
   - **ELED 4323 Teaching Mathematics in Pre-School and Primary Grades**
   - **PSY 5902 Educational Field Experience (120 clock hours in regular education and special education)**
   - **SPED 4123 Theories and Techniques for Exceptional Individuals**

2. Admission to the program through the University of Central Oklahoma School Psychology Review Board is a prerequisite to completion of the program.

**General Guidelines**

1. The minimum requirements for the standard School Psychologist Certificate include a master's degree in one of the following areas: psychology, educational psychology, child psychology, special education, counseling, or a related field.
2. The Standard Certificate is the only certificate option available for the School Psychologist.
3. The applicant shall pass the school psychologist state curriculum examination prior to being issued the certificate.
4. The applicant must complete a minimum of sixty (60) semester hours of graduate courses as outlined below.
5. The graduate course work required in the area of specialization may be counted from work completed for the Psychometry/Educational Diagnostician Certificate program, from work completed for the master's degree, and from graduate course work beyond the master's degree. The specific required course work for the School Psychology Certificate is outlined below.
6. All course work must be completed at the graduate level.

7. A minimum of the last nine semester hours of course work must be completed at the University of Central Oklahoma for certificate recommendation by UCO.

### Required Course Work 60 hrs

#### A. Core 42 hrs

- **EADM 5543 Fundamentals of Public School Administration** 3 hrs
- **PSY 5753 Advanced SPSS** OR **3 hrs**
- **PTE 5413 Educational Statistics**
- **PSY 5143 Advanced Developmental Psych.** 3 hrs OR
- **PTE 5823 Advanced Psych. of Childhood, AND**
- **PTE 5833 Advanced Psych. of Adolescence**
- **PSY 5633 Modern Learning Theories OR**
- **PTE 5203 Advanced Educational Psych** 3 hrs
- **PSY 5233 Psychopathology** 3 hrs
- **PSY 5253 Psychodiagnostic Survey** 3 hrs
- **PSY 5013 Biosocial Psychology** 3 hrs
- **PSY 5722 Introduction to School Psychological Services** 2 hrs
- **PSY 5793 Individual Test Techniques, Binet** 3 hrs
- **PSY 5803 Individual Testing Techniques, Wechsler** 3 hrs
- **PSY 5813 Diagnostic Testing Techniques** 3 hrs
- **SPED 5913 Counseling Families of Exceptional Children** 3 hrs
- **PTE 5383 Principles of Tests and Measurements** 3 hrs
- **SPED 5443 Behavioral Classroom Management** 3 hrs
- **PSY 5931 Individual Study in School Psychological Services** 1 hr

#### B. Counseling 6 hrs

- **GUID 5153 Counseling Intervention Strategies**
- **GUID 5212 Counselor as Consultant**
- **PSY 5473 Theories & Techniques of Counseling**
- **PSY 5483 Theories & Techniques of Group Counseling**
Preparation for School Psychometrist Certification

This certificate authorizes the holder to serve as a School Psychometrist/Educational Diagnostician in any accredited school in Oklahoma.

Prerequisites
1. The applicant shall hold and maintain a valid standard certificate in one of the following areas: early childhood, elementary education, library media specialist, speech-language pathology, elementary-secondary, or secondary.

If no teaching certificate is held, the applicant must have completed the following course work.

ECED 4073  Language Development and Emergent Literacy OR
ELED 4063  Teaching Reading in the Primary Grades
ELED 4333  Teaching Mathematics in Intermediate Grades OR
ELED 4323  Teaching Mathematics in Pre-School and Primary Grades
PSY 5902  Educational Field Experience (120 clock hours in regular education and special education)

2. The following courses are prerequisites to approved standard certification programs in School Psychometry.

PSY 2703  General Psychology
SPED 4123  Theories and Techniques for Exceptional Individuals
PTE 5142  History of Education OR
PTE 5172  Educational Sociology
PTE 4533  Educational Psychology
PTE 4133  Child Psychology OR
PTE 4153  Adolescent Psychology

3. Admission to the program through the University of Central Oklahoma School Psychology Review Board is a prerequisite to completion of the program.

General Guidelines
1. The minimum requirements for the standard Psychometrist/Educational Diagnostician Certificate include a master's degree in one of the following areas: psychology, educational psychology, child psychology, special education, counseling, or a related field.

2. The applicant shall pass the School Psychometry State Curriculum Examination prior to being issued a certificate.

3. The applicant must complete a minimum of 28 semester hours of graduate course work as outlined below, beyond the prerequisites.

4. All course work must be completed at the graduate level.

5. A minimum of the last nine semester hours of course work must be completed at the University of Central Oklahoma for certificate recommendation by the University of Central Oklahoma.

School Psychometrist/Educational Diagnostician

Required Courses 28 hrs

A. Core Area - A minimum of twelve semester hours is required with one course in each of the following four areas (1-4)

1. Special Education 3 hrs
   SPED 5913  Counseling Families of Exceptional Children OR
   SPED 5443  Behavioral Classroom Management

2. Psychology of School-age Children 3 hrs
   PSY 5143  Advanced Developmental Psychology OR
   PTE 5823  Advanced Psychology of Childhood OR
   PTE 5833  Advanced Psych. of Adolescence

3. Special Psychology 3 hrs
   PSY 5233  Psychopathology

4. Statistics 3 hrs
   PSY 5753  Advanced SPSS OR
   PTE 5413  Educational Statistics

B. Psychoeducational Diagnostic Procedures 12 hrs

   PSY 5793  Individual Test. Techniques, Binet 3 hrs
   PSY 5803  Individual Testing Techniques, Wechsler 3 hrs
   PSY 5813  Diagnostic Testing Techniques 3 hrs
   PTE 5383  Prin. of Tests and Measure 3 hrs
This certificate authorizes the holder to provide speech-language pathology services in any accredited school in Oklahoma. 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 program 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 teacher 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 the master’s degree for the Standard Certificate.
4. The applicant shall pass 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 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. A minimum of the last nine semester hours of course work must be completed at the University of Central Oklahoma for certificate recommendation by UCO.

**Standard Speech-Language Pathology Certificate (Additional Guidelines)**

1. The applicant must satisfy all requirements related to formal admission to Graduate Studies in the UCO approved program for the Standard Speech-Language Pathology Certificate.
2. The applicant must complete an approved program for the Speech-Language Pathology Certificate which consists of a minimum of thirty-five semester hours of graduate course work culminating in a Master’s Degree.
3. 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. 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 35 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.
Program: Criminal Justice Management and Administration

Degree: Master of Arts (M.A.)

<table>
<thead>
<tr>
<th>College:</th>
<th>Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 5093</td>
<td>Police Systems Management and Administration</td>
</tr>
<tr>
<td>CJ 5053</td>
<td>Criminal Justice Systems Management and Administration</td>
</tr>
<tr>
<td>CJ 5133</td>
<td>Correctional Systems Management and Administration</td>
</tr>
</tbody>
</table>

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 has been developed to provide those individuals having a bachelor’s degree in criminal justice or a related field, those who are presently employed in a criminal justice environment, and those wishing to work in the field an opportunity to advance their skills and knowledge, qualifying them for specialized job opportunities in the area of criminal justice.

The Master of Arts in Criminal Justice Management and Administration 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 practica.

I. Admission Requirements for the M.A. in Criminal Justice Management & Administration Program

Students seeking an M.A. in Criminal Justice Management & Administration must fulfill the following requirements before they will be formally admitted to the program:

- Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standard of 2.75 GPA overall, or 3.00 GPA in the last 60 hours attempted.

II. Advisement

Upon admittance to the Jackson College of Graduate Studies & Research, a student will be assigned a faculty advisor. The faculty advisor will assist the student in all matters pertaining to the completion of the master’s degree. Thesis students will be assigned additional advisors to form a thesis committee. Further, a departmental committee may be called upon to assist in determining if a student has adequate undergraduate preparation to complete work toward the Master of Arts in Criminal Justice Management and Administration.

III. M.A. Criminal Justice Mgmt & Admin Curriculum 30-32 hrs

In completing the required thirty or thirty-two credit hours for the master’s degree, the student will satisfy: (A) the core requirements and the additional degree requirements depending upon whether the student elects the thesis (B) or non-thesis (C) program.

A. Core Courses

| CJ 5013 | Juvenile Justice Systems Management |

B. Thesis Option ................................. 18 hrs

1. 14 hours shall be taken from related areas below.
2. Four hours will be awarded for the successful completion of a thesis. The student electing the thesis option must demonstrate to the Advisory Committee that he/ she has the prerequisite background, skills, and motivation for carrying out an original scholarly research project. Further, the student must submit a thesis proposal to his/her Advisory Committee for approval before the thesis project can begin. After the thesis has been completed and approved by the student’s Advisory Committee, the student must undergo and pass an oral examination by his/her Advisory Committee over the research completed.

Any graduate student entering in the Fall, 2001 semester and thereafter who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the College of Graduate Studies and Research will be present at the defense.

C. Non-Thesis Option ......................... 20 hrs

Twenty hours shall be taken from the following related areas: business, computer science, criminal justice, psychology, political science, sociology. Other courses approved by advisor.

Comprehensive Examination

Students in the Master of Arts in Criminal Justice Management and Administration, whether taking the thesis or non-thesis option, must pass a comprehensive written examination written by the Department of Sociology, Criminal Justice and Substance Abuse Studies in the area of Criminal Justice Management and Administration. A minimum score of eighty per cent (80%) is required on the comprehensive examination to satisfy the requirement for graduation. Failure to pass the comprehensive examination denies graduation until such time as the student is able to satisfactorily complete this degree requirement. The student may take the comprehensive exam two times without penalty. If the student fails the comprehensive exam the second time, additional course work may be recommended by the advisor before the student is allowed to take the comprehensive examination again. On completion of all other degree re-
Program: Criminal Justice Management and Administration
Degree: Master of Arts (M.A.)

quirements, a student will have a maximum of two years to satisfactorily complete the comprehensive exam. Extension on this time limit will be considered on an individual basis. NOTE: No foreign language requirement is included in the Master of Arts in Criminal Justice Management and Administration degree.
The Master of Arts in English is a flexible yet comprehensive program of graduate study fitted to the individual student's needs. The program provides this flexibility with five separate options from which the student may choose:
1. Composition Skills
2. Contemporary Literature
3. Creative Writing
4. Teaching English as a Second Language (TESL)
5. Traditional Studies

The curricular requirements of the Master of Arts in English degree program encourage the student to develop his or her critical, analytical, and creative abilities in the field of English.

Composition Skills Option

I. Admission Requirements for the MA in English: Composition Skills Option

Students seeking an MA in English: Composition Skills Option must fulfill the following requirements before they will be formally admitted to the program:
A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.
B. Meet the GPA requirement of 2.50 overall, or 2.50 in the last 60 hours attempted.
C. Have completed 24 undergraduate hours of English language and literature above the freshman level with a GPA of 2.75 or higher. Any student not meeting this requirement will be admitted as a NON-DEGREE SEEKING STUDENT. The student may take additional undergraduate course work or retake courses in order to obtain the required GPA in this area.
D. Complete all prerequisites, if any, as determined by the graduate advisor.

II. Advisement for Composition Skills

The advisement of graduate students in the Master of Arts in English option in Composition Skills is the responsibility of the Graduate English Faculty. During or before the student's first semester, the Director of Graduate English Studies will advise the student. After completion of eight graduate semester hours, the student will select a Graduate Advisory Committee consisting of a chairperson and two other faculty members.

III. Curriculum for Composition Skills

Course Requirements:
A. Students must complete satisfactorily ENG 5013 – Bibliography and Methods of Research.
B. Every student must complete satisfactorily a course in six of the following areas of study in his or her graduate program:
1. British Literature of the Elizabethan Age or before
2. British Literature of the 17th century
3. British Literature of the 18th century
4. British Literature of the 19th century
5. American Literature to 1900
6. Contemporary British or American Literature
7. Composition Skills

This requirement may be satisfied with an author course, a period course, or a genre course if it is restricted to the age indicated. The student's Advisory Committee will evaluate the student's transcript and indicate what courses the student must take.
C. Students must complete twelve hours in the area of Composition Skills. At least 24 of the 32 graduate hours required for the MA English degree must be in graduate English courses. Students may take up to eight hours outside the department with the approval of the Advisory Committee. A maximum of four hours of thesis credit may be included in the 32 required hours.
D. Approved graduate electives must total minimum of 32 graduate hours.

IV. Foreign Language Requirement for Composition Skills

Students must demonstrate a reading knowledge of one foreign language. Students may satisfy this requirement in one of the following ways:
A. Make a passing grade on a foreign language reading examination to be administered by the Department of Modern Languages, Literatures, and Cultural Studies.
B. Make a "C" or better in a minimum of six credit hours in a single foreign language at the University of Central Oklahoma.
C. Produce evidence of having made a "C" or better in a minimum of six credit hours in a single foreign language at an approved college or university.

NOTE: The student should start early in the program to satisfy this requirement.

V. Thesis or Non-thesis Programs for Composition Skills

Students may elect to take the thesis or non-thesis program.

VI. Final Examination for Composition Skills

A. Thesis Students

The examination will be a two-hour oral. Part of the examination will deal with critical concepts relevant to the student's program of study, and part of it will deal with the subject matter of the student's thesis.

Any graduate student who elects or is required to submit
**Contemporary Literature Option**

**I. Admission Requirements for the MA in English:**

Contemporary Literature Option

Students seeking an MA in English: Contemporary Literature Option must fulfill the following requirements before they will be formally admitted to the program.

**A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.**

**Note:** No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

**B. Have completed 24 undergraduate hours of English language and literature above the freshman level with a GPA of 2.75 or higher. Any student not meeting this requirement will be admitted as a NON-DEGREE SEEKING STUDENT. The student may take additional undergraduate course work or retake courses in order to obtain the required GPA in this area.**

**C. Complete all prerequisites, if any, as determined by the graduate advisor.**

**II. Advisement for Contemporary Literature**

The advisement of graduate students in the Master of Arts in English option in Contemporary Literature is the responsibility of the Graduate English Faculty. During or before the student’s first semester, the Director of Graduate English Studies will advise the student. After completion of eight graduate semester hours, the student will select a Graduate Advisory Committee consisting of a chairperson and two other faculty members.

**III. Curriculum for Contemporary Literature**

**Course Requirements**

**A. Students must complete satisfactorily ENG 5013 – Bibliography and Methods of Research.**

**B. Every student must complete satisfactorily a course in six of the following areas of study in his or her graduate program:**

1. British Literature of the Elizabethan Age or before
2. British Literature of the 17th century
3. British Literature of the 18th century
4. British Literature of the 19th century
5. American Literature to 1900
6. Contemporary British or American Literature
7. Composition Skills

**Note:** This requirement may be satisfied with an author course, a period course, or a genre course if it is restricted to the age indicated. The student’s Advisory Committee will evaluate the student’s transcript and indicate what courses the student must take.

**C. Students must complete twelve hours in the area of Contemporary Literature.**

**D. At least 24 of the 32 graduate hours required for the MA English degree must be in graduate English courses. Students may take up to eight hours outside the department with the approval of the Advisory Committee. A maximum of four hours of thesis credit may be included in the 32 required hours.**

**E. Approved graduate electives must total minimum of 32 graduate hours.**

**IV. Foreign Language Requirement for Contemporary Literature**

Students must demonstrate a reading knowledge of one foreign language. Students may satisfy this requirement in one of the following ways:

**A. Make a passing grade on a foreign language reading examination to be administered by the Department of Modern Languages, Literatures, and Cultural Studies.**

**B. Make a “C” or better in a minimum of six credit hours in a single foreign language at the University of Central Oklahoma.**

**C. Produce evidence of having made a “C” or better in a minimum of six credit hours in a single foreign language at an approved college or university.**

**NOTE:** The student should start early in the program to satisfy this requirement.

**V. Thesis or Non-thesis Programs for Contemporary Literature**

Students may elect to take the thesis or non-thesis program.

**VI. Final Examination for Contemporary Literature**

**A. Thesis Students**

The examination will be a two-hour oral. Part of the examination will deal with critical concepts relevant to the student’s program of study, and part of it will deal with the subject matter of the student’s thesis.

Any graduate student who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson
College of Graduate Studies and Research will be present at the defense.

B. Non-thesis Students
   Non-thesis students will take a 4- to 6-hour written examination. The examination will evaluate the student's ability to handle critical concepts relevant to his or her program of study. Upon satisfactory completion of the written exam, the student will take a one-hour oral examination administered by his or her Advisory Committee.

C. Re-examination:
   In the event of unsatisfactory performance on the final examination, the student may petition to be re-examined in the graduate exam period of the following semester. Re-examination will be allowed only twice. If the student performed adequately on part of the examination, he or she will be re-examined only on that portion on which he or she was unsuccessful.

Creative Writing Option
   This option requires that the student take half of his or her courses in areas that cover historical literary periods and half in writing.

I. Admission Requirements for the MA in English: Creative Writing Option
   Students pursuing the Creative Writing Option must fulfill the following requirements before they will be formally admitted to the program.
   A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

B. Have completed 24 undergraduate hours of English Language and Literature above the freshman undergraduate level with a GPA of 2.75 or higher. Any student not meeting this requirement will be admitted as a NON-DEGREE SEEKING STUDENT. The student may take additional coursework or retake courses in order to obtain the required GPA in this area.

C. Submit a writing sample (about 20 pages) of a single project during the first semester of enrollment.

D. Complete all prerequisites, if any, as determined by the graduate advisor.

II. Advisement for Creative Writing
   The advisement of graduate students in the Master of Arts in English option in Creative Writing is the responsibility of the Graduate English Faculty. During or before the student's first semester, the Director of Graduate English Studies will advise the student. After completion of eight graduate semester hours, the student will select a Graduate Advisory Committee consisting of a chairperson and two other faculty members.

III. Curriculum for Creative Writing
   Course Requirements
   A. Students must complete satisfactorily CSDY 5823–Literary Criticism for Creative Writers.

IV. Foreign Lang. Requirement for Creative Writing
   Students may satisfy the foreign language requirement in one of the following ways:
   A. Complete six hours of undergraduate foreign language with a grade of “B” or better. These hours will not count toward the MA degree.

B. Complete six hours of literature in translation. These courses in translation will generally also fulfill one of the literary period requirements (e.g., Russian Literature in Translation fulfills both three hours of the language requirement and the period requirement for 19th-century Literature).

C. Requests to satisfy the language requirement through summer travel workshops will be evaluated on an individual basis.

V. Thesis for Creative Writing
   Four hours of thesis work are required with the stipulation that the last hour of thesis be taken during the semester of graduation. The thesis is a book-length manuscript, ideally of publishable quality, such as a novel, full-length play or screenplay, book of poetry, or collection of short stories.

   The thesis committee will consist of the thesis director and two or possibly three other committee members. The Director and at least one other committee member must hold the Ph.D.

   Any graduate student who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies and Research will be present at the defense.

VI. Final Examination for Creative Writing
   The thesis must be defended in a one-hour oral examination. Students should also demonstrate familiarity with contemporary writing in the area of the thesis.
Teaching English as a Second Language (TESL) Option

The TESL option is an interdisciplinary program that incorporates course work from the College of Education and the College of Liberal Arts.

I. Admission Requirements for the MA English: Teaching English as a Second Language (TESL) Option

Students seeking an MA in English: TESL Option must fulfill the following requirements before they will be formally admitted to the program.

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

B. Have completed 15 undergraduate hours of English language and literature. If applicants have not completed 15 undergraduate hours of English, they will be required to take additional hours of English courses at UCO to meet the requirement.

C. Complete all prerequisites, if any, as determined by the graduate advisor.

II. Advisement for TESL

The advisement of graduate students in the Master of Arts in English option in TESL is the responsibility of the Graduate English Faculty. During or before the student’s first semester, the Director of Graduate English Studies will advise the student. After completion of eight graduate semester hours, the student will select a Graduate Advisory Committee consisting of a chairperson and two other faculty members.

III. Curriculum for TESL

Course Requirements

A. Students must complete satisfactorily ENG 5013-Bibliography and Methods of Research OR PTE 5013-Foundations of Educational Research.

B. Students must complete satisfactorily:
   1. TESL 5313-Testing and Evaluation in Bilingual and TESL Classrooms
   2. ENG 5413-TESL Grammar
   3. TESL 5763-Second Language Acquisition
   4. TESL 5783-Teaching Eng. as a Second Language

C. Students must complete satisfactorily one course in Literature before 1900.

D. Students must complete satisfactorily one course in Literature since 1900.

E. Students must complete satisfactorily one course in the area of Linguistics.

F. At least 20 of the 32 required graduate hours must be in graduate English courses. A maximum of four hours of thesis credit may be included in the 32 required hours.

G. Approved graduate electives must total a minimum of 32 hours.

IV. Foreign Language Requirement for TESL

Students must demonstrate a reading knowledge of one foreign language. Students may satisfy this requirement in one of the following ways:

A. Make a passing grade on a foreign language reading examination to be administered by the Department of Modern Languages, Literatures, and Cultural Studies.

B. Make a “C” or better in a minimum of six credit hours in a single foreign language at the University of Central Oklahoma. (These six hours will not count toward the MA degree.)

C. Produce evidence of having made a “C” or better in a minimum of six credit hours in a single foreign language at an approved college or university. (These six hours will not count toward the MA degree.)

D. English fulfills the foreign language requirement for non-native speakers of English.

NOTE: The student should start early in the program to satisfy this requirement.

V. Thesis or Non-thesis Programs for TESL

Students may elect to take the thesis or non-thesis program.

VI. Final Examination for TESL

A. Thesis Students

The examination will be a two-hour oral. Part of the examination will deal with critical concepts relevant to the student’s program of study, and part of it will deal with the subject matter of the student’s thesis.

Any graduate student who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies and Research will be present at the defense.

B. Non-thesis Students

Non-thesis students will take a 4- to 6-hour written examination. The examination will evaluate the student’s ability to handle critical concepts relevant to his or her program of study. Upon satisfactory completion of the written exam, the student will take a one-hour oral examination administered by his or her Advisory Committee.

C. Re-examination:

In the event of unsatisfactory performance on the final examination, the student may petition to be re-examined in the graduate exam period of the following semester. Re-examination will be allowed only twice. If the student performed adequately on part of the examination, he or she will be re-examined only on that portion on which he or she was unsuccessful.
Program: English–Traditional Studies
Degree: Master of Arts (M.A.)

English: Traditional Studies
Students seeking an MA in English: Traditional Studies Option must fulfill the following requirements before they will be formally admitted to the program.
A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.
Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.
B. Have completed 24 undergraduate hours of English language and literature above the freshman level with a GPA of 2.75 or higher. Any student not meeting this requirement will be admitted as NON-DEGREE SEEKING STUDENT. The student may take additional undergraduate course work or retake courses in order to obtain the required GPA in this area.
C. Complete all prerequisites, if any, as determined by the graduate advisor.

II. Advisement for Traditional Studies
The advisement of graduate students in the Master of Arts in English option in Traditional Studies is the responsibility of the Graduate English Faculty. During or before the student’s first semester, the Director of Graduate English Studies will advise the student. After completion of eight graduate semester hours, the student will select a Graduate Advisory Committee consisting of a chairperson and two other faculty members.

III. Curriculum for Traditional Studies
Course Requirements
A. Students must complete satisfactorily ENG 5013 – Bibliography and Methods of Research.
B. Every student must complete satisfactorily a course in six of the following areas of study in his or her graduate program:
   1. British Literature of the Elizabethan Age or before
   2. British Literature of the 17th century
   3. British Literature of the 18th century
   4. British Literature of the 19th century
   5. American Literature to 1900
   6. Contemporary British or American Literature
   7. Composition Skills
   This requirement may be satisfied with an author course, a period course, or a genre course if it is restricted to the age indicated. The student’s Advisory Committee will evaluate the student's transcript and indicate what courses the student must take.
C. At least 24 of the 32 graduate hours required for the MA English degree must be in graduate English courses. Students may take up to eight hours outside the department with the approval of the Advisory Committee. A maximum of four hours of thesis credit may be included in the 32 required hours.
D. Approved graduate electives must total minimum of 32 graduate hours.

IV. Foreign Language Requirement for Traditional Studies
Students must demonstrate a reading knowledge of one foreign language. Students may satisfy this requirement in one of the following ways:
A. Make a passing grade on a foreign language reading examination to be administered by the Department of Modern Languages, Literatures, and Cultural Studies.
B. Make a “C” or better in a minimum of six credit hours in a single foreign language at the University Of Central Oklahoma.
C. Produce evidence of having made a “C” or better in a minimum of six credit hours in a single foreign language at an approved college or university.
NOTE: The student should start early in the program to satisfy this requirement.

V. Thesis or Non-thesis Programs for Traditional Studies
Students may elect to take the thesis or non-thesis program.

VI. Final Examination for Traditional Studies
A. Thesis Students
The examination will be a two-hour oral. Part of the examination will deal with critical concepts relevant to the student’s program of study, and part of it will deal with the subject matter of the student’s thesis.
Any graduate student who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies and Research will be present at the defense.
B. Non-thesis Students
Non-thesis students will take a 4- to 6-hour written examination. The examination will evaluate the student’s ability to handle critical concepts relevant to his or her program of study. Upon satisfactory completion of the written exam, the student will take a one-hour oral examination administered by his or her Advisory Committee.
C. Re-examination:
In the event of unsatisfactory performance on the final examination, the student may petition to be re-examined in the graduate exam period of the following semester. Re-examination will be allowed only twice. If the student performed adequately on part of the examination, he or she will be re-examined only on that portion on which he or she was unsuccessful.
The Master of Arts in History is designed for those who wish to further their knowledge of history and the historian’s craft, prepare for doctoral programs, or pursue professional goals through the Social Studies Teaching or Museum Studies options. Course offerings reflect the Department of History and Geography’s commitment to developing an awareness and understanding of diverse cultures, contemporary global trends, and global interdependence.

I. Admission Requirements for the M.A. in History Program:

Students seeking a M.A. in History must hold a bachelor’s degree from an accredited college or university with at least 18 hours of history with a grade point average of 2.75. In addition, applicants must fulfill the following requirements before they will be formally admitted to the program.

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

B. Meet the GPA requirement of 2.50 overall, and 2.75 in the last 60 hours attempted.

C. Complete HIST 3113 Historical Research or be able to demonstrate research ability as determined by the Director of Graduate Studies (Graduate Advisor) and the Chair of the Department of History and Geography.

D. Applicants to the Master of Arts in History - Social Studies Teaching must supply the Jackson College of Graduate Studies & Research with documentation showing possession of a current Oklahoma Standard Teaching Certificate or License.

E. Meet with the Graduate Advisor who will complete a “Recommendation for Admission to the Jackson College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed, signed recommendation form, the JCGS&R will admit the student for graduate studies.

F. The student and the Graduate Advisor will work out a formal plan of study during the student’s first semester of graduate work. A signed, completed copy of the plan of study must be filed with the advisor and the JCGS&R before completion of the first semester.

G. Complete all prerequisites, if any, as determined by the graduate advisor.

II. Advisement

An Advisory Committee of three faculty members will be appointed to direct the program of each student. One member of the Advisory Committee will serve as chairperson and will assume the major responsibility for advising the student. The Advisory Committee for students for the Master of Arts in History - Social Studies Teaching will include three members from the content areas and one member from the College of Education. The Advisory Committee must be appointed before the second semester of enrollment.

The department’s Director of Graduate Studies will maintain all student records and will serve as an advisor in supervising the student’s progress toward a degree.

III. M.A. in History Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5013 Historiography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5913 Seminar in History</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Additional Requirements

a. At least one course must be taken in each of the following categories of history:
   1. United States History
   2. European History
   3. Asian, Latin American, and/or Middle Eastern History

b. It is recommended that each student will take at least 12 hours in one category of history and 6 hours in a second category of history. The student’s advisory committee will provide direction in the categories of courses on which the student may focus to achieve expertise and depth.

c. At least 12 credit hours must be earned in courses taught only at the 5000-level (i.e. courses not cross-listed with 4000-level courses). The Core Courses (HIST 5013 Historiography and HIST 5913 Seminar) will count toward these 12 hours. Thesis hours will not count toward this requirement.

d. Each student must complete additional courses in history and/or other related areas, approved by the student’s advisory committee, to complete a total of 33 hours.

B. Master of Arts in History - Museum Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5013 Historiography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5913 Seminar in History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5523 Museum Management</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5623 Museum Theory &amp; Practice</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5950 Internship</td>
<td>6</td>
</tr>
</tbody>
</table>
The internship will be under the supervision of the Director of Museum Studies, who has a set of guidelines to be followed with each internship. It may be taken in one semester or split over two semesters.

2. Additional Requirements
   Any graduate history courses 6 hrs
   Electives in history or other courses 9 hrs
   These courses must be approved by the student’s advisory committee and may include thesis hours.

C. Master of Arts in History - Social Studies Teaching
   1. United States History 6 hrs
   2. World History 6 hrs
   3. Geography 6 hrs
   4. Political Science 3 hrs
   5. Political Science, Economics, or Sociology 3 hrs
   6. Education 5-9 hrs
   The 5-9 hours in Teacher Education must be selected from the following:
      PTE 5013 Found. of Educational Research 3 hrs
      PTE 5963 Materials and Methods in Middle School Teaching 0-3 hrs
      (This course is required only if PTE 4963 Materials and Methods in Middle School Teaching has not already been taken for undergraduate credit.)
      One of the following: 2-3 hrs
      PTE 5113 Modern Philosophy of Education
      PTE 5142 History of Education
      PTE 5172 Educational Sociology
   7. Additional Electives in Social Studies content areas 0-4 hrs. If additional hours are needed to total 33 hours, additional hours may be taken from areas 1-6 listed above.
   8. Portfolio. A portfolio is required. It will include select samples of the student’s work in both the content and education classes. A copy of the portfolio guidelines will be provided by the Graduate Advisor in the Department of History and Geography when the student is admitted to the program.
   9. Seminars. A minimum of 6 hours of the Social Studies courses must be seminars.

D. Thesis Option
   Students for the General History and Museum Studies option may submit a thesis as part of their work. (The Social Studies Teaching option is strictly non-thesis.) The faculty member who directs the thesis will also serve as the Chair of the student’s Advisory Committee.
   Each student who writes a thesis will be required to take an oral examination of about two hours. One hour will be devoted to the defense of the thesis, and the other hour to an examination of the student’s graduate course work.
   Any graduate student entering in the Fall, 2001 semester and thereafter who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the College of Graduate Studies and Research will be present at the defense.
   Students who choose to write a thesis must enroll in HIST 5990 - Thesis for a total of six hours.
   In addition, the Advisory Committee may require the candidate to have a reading knowledge of a foreign language or other research tool which they believe essential for the completion of the thesis. The committee will strongly advise all students who plan to continue their graduate studies on the doctoral level to have at least one foreign language.

E. Final Examinations
   Final examinations are required of all students. In each case, the student’s Advisory Committee will serve as the Examining Committee.
Program: Political Science

Degree: Master of Arts (M.A.)

The Master of Arts in Political Science is a flexible, yet comprehensive program designed to provide the student with advanced preparation in political science and, depending on the program, in related fields in the social sciences. Options are offered in International Affairs, Public Affairs, and General Political Science. The General and International Affairs options can be undertaken during the day or evening, while the Public Affairs option is expressly designed as an evening program for working adults.

Political Science Graduate Advisor—Dr. Jan Hardt, 974-5840, FAX:405-974-3823 Email:jhardt@ucok.edu Department of Political Science, 100 N. University Drive, Campus Box 182, UCO, Edmond, OK 73034-5209

I. Admission Requirements for the M.A. in Political Science Program:

   Students seeking an M.A. in Political Science must fulfill the following requirements before they will be formally admitted to the program:
   
   A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.
   
   Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

   B. Meet the GPA requirement of 2.75 overall, or 3.00 in the last 60 hours attempted.

   C. Complete all prerequisites, if any, as determined by the graduate advisor.

   D. Complete 18 hours of undergraduate Political Science courses and/or related social science disciplines. The suitability of courses other than political science is decided by the advisor.

II. Advisement

   The Chairperson of the department will assign an advisor from among the graduate faculty of the Political Science department to advise the student during the course of his/her graduate study. Other members of the faculty may be called upon as needed.

III. M.A. in Political Science ..................................... 36 hrs

   Students must complete a minimum of 36 semester hours of graduate-level work, including a minimum of 18 hours in political science. Students may take course work in other disciplines as appropriate to their individual interests and program of study. In completing the required 36 graduate hours, students must satisfy the requirements for the Common Core, Research Component, and Option of their choice as indicated below.

   A. Common Core.................................................. 12 hrs
      POL 5023 Scope of the Discipline
      POL 5033 Research Methods

   B. Research Component................................. 3-6 hrs
      The student will fulfill one of the following two requirements, in consultation with the faculty advisor:
      POL 5980 Capstone Paper................................. 3 hrs
      POL 5990 Thesis.............................................. 6 hrs

   C. Option Requirements................................ 18-21 hrs

   General Political Science Option

   This option is designed to enable students to achieve competence in the professional practice of political science teaching, research, 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.

   Required Courses ........................................ 6 hrs
   Two of the following:
   POL 5223 The Presidency
   POL 5253 The Congress
   POL 5263 Judicial Process
   POL 5603 Theories of International Relations
   POL 5703 Theories of Comparative Politics
   POL 5913 Seminar in Political Science

   Electives...................................................... 12-15 hrs

   International Affairs Option

   This option is designed for students who desire to focus their graduate study in international and comparative politics. Students may choose concentrate in either international political economy or foreign policy and security studies.

   Required Courses ........................................ 6 hrs
   POL 5603 Theories of International Relations
   POL 5703 Theories of Comparative Politics

   Electives...................................................... 12-15 hrs

   Public Affairs Option

   The curriculum for this option is intended to provide students a foundation in public policy, with a particular emphasis on the public context. Students may choose from courses in political science or related disciplines to pursue areas of interest within the broader field of urban affairs.

   Required Courses ........................................ 6 hrs
   POL 5193 Public Finance and Budgeting
   POL 5413 Public Policy Analysis

   Electives...................................................... 12-15 hrs
International Studies Program

The International Studies Program is not a departmental major which leads to a degree, but is an interdisciplinary program intended to complement a major, and can be taken in conjunction with any degree program. It includes courses having international content which are offered by various departments, such as history, political science, geography, foreign languages, economics, humanities, business, education, and others.

The International Studies Program is designed for students who wish to learn about foreign countries and cultures, as well as relations among nations. The program is helpful to students who wish to apply the skills learned in their master’s program in a foreign setting, such as:

1. Business majors who want to work for companies having international operations.
2. Education majors who wish to teach abroad.
3. Journalism majors who want to report on happenings in other countries.
4. Military science students who, as officers, may be given major assignments or become involved in defense planning.
5. Other majors who wish to broaden their knowledge to include international affairs.

The Graduate International Studies Program consists of 12 hours of graduate courses with significant international content including two one-hour International Studies Program workshops. The student must demonstrate a proficiency in two United Nations approved languages. Completion of the program is recognized on the student’s transcript upon graduation by a statement indicating the area of specialization.

For further information, contact:
Mr. Jeffrey Plaks, Program Director
LA Room 204B
Department of History and Geography
jplaks@ucok.edu
College of Mathematics and Science
Program: Applied Mathematical Science

Degree: Master of Science (M.S.)

College: Mathematics and Science

The Master of Science Degree in Applied Mathematical Sciences at the University of Central Oklahoma 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. It requires students, depending upon their interests, to select an area of concentration from four options:

- Mathematics
- Computer Science
- Statistics
- Mathematics Teaching

The primary objectives of the Master of Science Degree in Applied Mathematical Sciences are:

1. To provide students with the skills necessary for successful competition in the job market areas of applied mathematical sciences.
2. To help meet the growing demands of business and society in the area of applied mathematical science.
3. To provide students with a proper foundation for a continuing education in applied mathematical sciences.
4. To provide preparation for teachers of the mathematical sciences in a setting that is applications-oriented.

I. Admission Requirements – Applied Mathematics

Applicants for this graduate program must have either an undergraduate degree in the discipline or sufficient course work in the field to provide the background required. Additional prerequisites may be required by the program. Students seeking an M.S. in Applied Mathematical Sciences must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404, NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

B. Achieve a minimum grade point average of 3.00 overall, and a 3.00 in the last 60 hours of courses attempted.

C. Exhibit proficiency in one algorithmic computer language.

D. Complete a minimum of three (3) semester hours of English Composition in residence at an accredited college or university in a predominantly English-speaking country.

E. Complete all prerequisite courses for the program:
   1. Core requirements for all options:
      - Matrix Algebra or Linear Algebra
      - Differential Equations
      - Numerical Analysis I

2. Additional prerequisites–Computer Science option
   - Discrete Mathematics
   - Programming I and II
   - Assembly Language
   - Data Structures

3. Additional Prerequisites–Statistics option
   - Statistical Methods I

Prerequisites are regarded as deficiencies and will not be counted as part of the 36 graduate hours required for the M.S. Degree. Prospective candidates for the M.S. in Applied Mathematical Sciences who do not meet the above requirements may be admitted to the Jackson College of Graduate Studies & Research as Non-Degree Candidates.

Transfer students will be required to present a letter from their previous school or university showing the student was in good academic standing at the time he or she left that university.

If it is unclear from a student’s transcripts and supporting documentation whether a prerequisite has been met, the student may be required by the graduate advisor to either pass an examination or obtain a minimum grade of “B” (3.00) in a designated course(s) at UCO.

II. Advisement

The Graduate Advisor in the Department of Mathematics and Statistics will advise students interested in obtaining the Master of Science in Applied Mathematical Sciences. As early as feasible, three members from the Department of Mathematics and Statistics and the Department of Computer Science will be appointed to serve as an Advisory Committee. The requests of the student will be given consideration in the selection of the Advisory Committee. One member of the Committee will serve as chairperson, and will assume the major responsibility of advising the student.

III. Applied Mathematical Sciences Curriculum

A. Core Requirements ........................................... 9 hrs
   - MATH 5113 Operations Research I
   - STAT 5123 Mathematical Statistics II
   - MATH 5143 Advanced Calculus for Applications

B. Option Requirements ...................................... 9 hrs
   Electives .................................................... 15 hrs
Program: Applied Mathematical Science

Degree: Master of Science (M.S.)

1. Mathematics Option
   MATH 5153 Advanced Calculus for Applications
   2
   MATH 5183 Numerical Analysis II
   MATH 5453 Mathematical Modeling

   Electives must include 9 hours of Mathematics and 6 hours of Statistics.

2. Computer Science Option
   CMSC 5023 Programming Languages
   CMSC 5063 Networks
   * CMSC File Structures
   Electives must include 6 hours of Computer Science and 9 hours of Mathematics and/or Statistics.

3. Statistics Option
   STAT 5103 Statistical Methods II
   STAT 5xx3 Statistical Methods III
   STAT 5353 Probability Theory
   Electives are chosen from Mathematics and Statistics courses.
   * Currently taught as Seminar Courses

4. Mathematics Teaching Option
   MATH 5103 The Real Number System
   MATH 5203 Foundations of Mathematics
   MATH 5433 Theory of Functions OR
   MATH 5453 Mathematical Modeling
   Electives are chosen from Mathematics and Statistics courses.

C. Thesis or Project .............................................. 3 hrs
   MATH 5983 or 5993 Project or Thesis

   Each candidate must successfully complete a minimum of three (3) hours of research in the form of a Master’s thesis or a subject area project, which is determined by whether the product is theoretical in nature or application-oriented.

   Well qualified students may finish their research in one semester, however, most students take several semesters to complete their research. A member of the candidate’s advisory committee will direct the thesis or project.

   Any graduate student entering in the Fall, 2001 semester and thereafter who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies and Research will be present at the defense.

D. Final Examinations
   Each candidate is required to take a written examination of four hours over his/her graduate course work with the approval of the advisory committee. If the examining committee should find the candidate’s performance on the comprehensive examination unsatisfactory, the candidate may petition the Director of Graduate Studies to be re-examined. Request for re-examination will not be granted more than one time.
The Master of Science in Biology program provides students with breadth and depth of training in Biology beyond that provided by the baccalaureate degree. Students may select either the Field/Laboratory or Literature Thesis options. Both options provide students with a Capstone experience consisting of a thesis that addresses scientific question, objectives, or hypotheses using the scientific method.

Students seeking an M.S. in Biology must fulfill the following requirements before they will be formally admitted to the program.

Applicants for this graduate program must have either an undergraduate degree in the discipline or sufficient course work in the field to provide the background required. Additional prerequisites may be required by the program.

I. Admission Requirements for the M.S. in Biology

A. Apply for admission to the Jackson College of Graduate Studies & Research, Room 404 NUC. See page 23.

Note: No student will be admitted to this program or to the Jackson College of Graduate Studies & Research who does not meet the program admission standards.

B. A 2.50 or higher GPA in all undergraduate hours attempted and a 3.00 or higher GPA in the last 60 undergraduate hours attempted.

C. Satisfactory completion of 18 hours of Biology and 10 hours of Chemistry.

D. A completed application form.

E. Three letters of reference from individuals acquainted with the applicant’s academic record or employment record.

F. Scores on the General Test of the Graduate Record Examination (GRE) of at least 1000 (combined Verbal and Quantitative).

G. Written acceptance by a Graduate Faculty member of the Department of Biology willing to serve as major advisor.

II. Requirements in the First Year of the Biology MS Program

Students seeking an M.S. in Biology must fulfill the following requirements before they complete the first year of the program:

A. Take the advisory exam in Biology.

B. Select a thesis committee, consisting of at least three Graduate Faculty members in the Biology Department.

C. Submit a formal plan of study. A copy of this plan of study, signed by the student and the thesis committee, must be filed with the department and the Jackson College of Graduate Studies & Research no later than the end of the first academic year of enrollment.

III. Graduate Course Work

A. Prerequisites: Complete with a minimum grade of "C." College Algebra, Organic Chemistry, one course in Physics. Additional prerequisites, as determined by the thesis committee, and as described in the plan of study, must be completed with a minimum grade of "C."

B. BIO 5012 Introduction to Biology Research

C. To ensure that students are broadly educated in biology, each student must have satisfactorily completed (during either their undergraduate or graduate work) at least one 3000, 4000, or 5000 level course in each of the following core areas: Plant Biology, Animal Biology, Microbiology, Cellular Biology, Genetics, and Environmental Biology. The plan of study should be designed based on this requirement and the student’s academic record.

D. Students should complete all graduate course work with a minimum GPA of 3.00.

IV. Degree Options

A. Thesis (Field/Laboratory Option) ................. 6 hrs

This option is based on research that addresses questions, objectives, or hypotheses using original research in the field or laboratory. A maximum of six semester hours will count toward the degree upon acceptance of the thesis by the student’s Advisory Committee.

B. Thesis (Literature Option) ..................... 2 hrs

This option is based on research that addresses questions, objectives, or hypotheses using data from the literature. A maximum of two semester hours will count toward the degree upon acceptance of the thesis by the student’s thesis committee.

NOTE: Any graduate student entering in the Fall, 2001 semester and thereafter who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies & Research will be present at the defense.

V. Comprehensive Examination

A. Each student is required to pass a final written examination which will test the candidate’s proficiency in each of the areas listed under III. C. above.

B. Each student is required to make an oral presentation of the thesis to the Faculty.

C. Each student is required to pass an oral examination over the thesis, to be administered by the student’s thesis committee.

NOTE: In the event of an unsatisfactory performance on any of these examinations, the candidate may petition to be re-examined during the graduate exam period of the following semester. Re-examination, except in extraordinary circumstances, will be allowed only once.
The Department of Physics & Engineering offers graduate study leading to the Master of Science in Engineering Physics (MSEP). As technology advances, the boundaries between traditional physics and other academic disciplines blur. As a result, new and exciting opportunities are appearing for the application of physics to problems outside of traditional physics. The MSEP program is designed so that its graduates can pursue careers in diverse interdisciplinary fields in industry and technology. The program also provides advanced study in applied physics for traditional students and those intending to pursue the Ph.D. in Physics and Engineering.

The MSEP program requires 32 semester credit hours beyond the BS degree, and for well prepared students, can be completed in about two years. Course work in the core fields of physics is required of all students. Additional advanced courses are chosen with the guidance of the student's Advisory Committee. Students generally choose their research advisors by the end of their first year of graduate study.

The MSEP program encourages students to select elective courses from disciplines other than engineering and physics, such as chemistry, computing science, mathematics, business, and management. This enables students to tailor programs of study according to their particular interests and situations. The majority of course offerings for the MSEP are scheduled in the evening for the convenience of working students.

Students may write a thesis in fulfillment of requirements or by completing formal class work alone in the non-thesis option. The MS thesis must be defended in a final oral presentation.

I. Admission Requirements for the M.S. in Engineering Physics Program

   Students seeking an M.S. in Engineering Physics must fulfill the following requirements before they will be formally admitted to the program:

   A. Apply for admission to the College of Graduate Studies & Research, Room 404, NUC. See page 23.

   Note: No student will be admitted to this program or to the College of Graduate Studies & Research who does not meet the program admission standards.

   B. Achieve a minimum grade point average of 3.00 overall, and a 3.00 in the last 60 hours of courses attempted.

   C. Complete all prerequisites, if any, as determined by the graduate advisor. Transcripts must indicate credit in at least 24 hours of physics, or the equivalent, and mathematics through Differential Equations. Students with deficiencies will be advised to complete 3000 and 4000-level courses in physics and engineering as preparation for the 5000-level courses.

   D. Earn eight hours of graduate credit at the University of Central Oklahoma with a minimum 3.00 GPA, with no grade below a 'C'.

   E. Transfer students will be required to present a letter from their previous school or university showing the student was in good academic standing at the time he or she left that university.

II. Engineering Physics Curriculum 32 hrs

   Requirements for the MS Degree in Engineering Physics include the completion of 32 credit hours of graduate-level courses beyond the B.S. degree. 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.

   A. Core Courses 21 hrs

   The following core courses must be completed:

   - PHY 5013 Mathematical Physics II
   - PHY 5443 Quantum Mechanics

   To complete the core requirements, at least four of the following courses must also be completed:

   - ENGR 5023 Thermal Science
   - ENGR 5163 Engineering Optics
   - ENGR 5443 Fluid Dynamics
   - ENGR 5613 Photonics
   - ENGR 5990 Thesis
   - PHY 5033 Nuclear Physics
   - PHY 5043 Solid State Physics
   - PHY 5063 Analytical Mechanics
   - PHY 5083 Electromagnetic Radiation
   - PHY 5103 Classical Mechanics with Applications
   - PHY 5203 Applied Electrodynamics
   - PHY 5990 Thesis

   ENGR 5990 and PHY 5990 may only be taken by students electing the thesis option and may comprise up to a maximum of six semester hours.

   B. Electives to total 32 hours 11 hrs

   All electives must be approved by the student's advisement committee and selected from graduate-level courses in physics, engineering, mathematics, computer science, chemistry, business, management, or related fields as approved by the student's advisement committee.

III. Thesis Option

   The focus of the MSEP program is a thesis based on research conducted under the supervision of a faculty advisor. While a non-thesis degree option is available, students are strongly encouraged to choose the thesis option.

   Any graduate student who elects or is required to submit a thesis must publicly defend the thesis before the student will be allowed to graduate. A representative of the Jackson College of Graduate Studies and Research will be present at the defense. See thesis format and submission requirements in this catalog.
Program: Forensic Science
Degree: Master of Science (M.S.)

**Admission to the program is restricted to Fall semesters only.**

The M.S. in Forensic Sciences is a program designed to provide graduate education for existing or future law enforcement personnel, forensic laboratory analysts and forensic nursing professionals. The program offers options in Technical Investigations, Criminalistics and Nursing. The Technical Investigations option is designed for those individuals who have a background or an interest in some aspect of law enforcement which involves crime scene investigation. The Criminalistics option is intended for those interested in or involved in analyzing evidence and will require a strong background or major in the physical or natural sciences. The Nursing option is designed for registered nurses who hold a bachelor’s degree in nursing or a related field, and who wish to pursue a forensics career.

Enrollment in the MS in Forensic Sciences program is limited. To be considered for admission to the program for the Fall Semester, the completed application must be received in the Forensic Sciences offices no later than the last working day of the third week of the preceding March. The documentation must contain the Application for Admission to Graduate Studies, transcripts, and satisfactory GRE scores.

I. Admission Requirements for the M.S. in Forensic Sciences Program:

Applicants for this graduate program must have either an undergraduate degree in the discipline or sufficient course work in the field to provide the background required. Additional prerequisites may be required by the program.

Students seeking an M.S. in Forensic Sciences must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the College of Graduate Studies & Research, Room 404, NUC. See page 23.

**Note: No student will be admitted to this program or to the College of Graduate Studies & Research who does not meet the program admission standards.**

B. Attain a GPA of 2.75 or higher in all undergraduate hours attempted or have earned a Master’s degree from an accredited institution.

C. Attain a combined score of 1000 on any two of the three GRE subscales. The score on the analytical writing section will be converted according to the following formula and example:

\[(Reported \ Score \times 100) + 200 = Converted \ Score\]

\[e.g. \ (3.5 \times 100) + 200 = 550\]

Scores must be submitted before acceptance to the program.

D. Complete all prerequisites, if any, as determined by the graduate advisor. Prerequisites must be completed during the first year, and grades earned in these prerequisite courses will be included in the undergraduate GPA considered for admission to the program.

E. Transfer students will be required to present a letter from their previous school or university showing the student was in good academic standing at the time he or she left that university.

II. Advisement

The Director of the program in concert with the program’s Academic Advisement Committee will assign an advisor from among the graduate faculty from the appropriate department. The advisor will develop the plan of study and advise the graduate student during the course of his/her graduate studies.

III. M.S. in Forensic Sciences Curriculum

Students must complete a minimum of 34 hours of graduate level work, including a core of 13 hours and a minimum of 21 additional hours in one of the options.

A. Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CJ 5313</td>
<td>Ethics and Testimony</td>
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<tr>
<td>POL 5323</td>
<td>The Constitution &amp; Criminal Procedure</td>
</tr>
<tr>
<td>FRSC 5143</td>
<td>Crime Scene Investigation and Reconstruction</td>
</tr>
<tr>
<td>FRSC 5102</td>
<td>Physical Aspects of Forensic Science</td>
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<tr>
<td>FRSC 5202</td>
<td>Biological Aspects of Forensic Science</td>
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B. Option Requirements

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>FRSC5112</td>
<td>Physical Aspects of Forensic Science Laboratory</td>
</tr>
<tr>
<td>FRSC 5212</td>
<td>Biological Aspects of Forensic Science Laboratory</td>
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<tr>
<td>FRSC 5323</td>
<td>Forensic Toxicology and Laboratory</td>
</tr>
<tr>
<td>FRSC 5313</td>
<td>Death Investigation</td>
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<tr>
<td>FRSC 5333</td>
<td>Advanced Forensic Serology &amp; Lab.</td>
</tr>
<tr>
<td>BIO 5743</td>
<td>Molecular and Population Genetics</td>
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</table>

18-20 hrs
Program: Forensic Science  
Degree: Master of Science (M.S.)  
College: Mathematics and Science

FRSC 5992-4  Thesis OR  
FRSC 5902-4 Practicum in Forensic Science

Elective Courses to a minimum of 34 hrs
- BIO 5443 and 5443L Microtechniques
- BIO 5723 Biometrics
- CHEM 5253 & 5253L Forensic Science Analysis and Laboratory

2. Technical Investigations

Required courses ........................................... 14-16 hrs
- CJ 5323 Victimology
- FRSC 5313 Death Investigation
- FRSC 5413 Bloodstain Pattern Analysis I
- JOUR 5413 Techniques of Forensic Photography
- FRSC 5992-4 Thesis OR
- FRSC 5902-4 Practicum in Forensic Science

Elective Courses to a minimum of 34 hrs
- FRSC 5443 Forensic Arson Investigation
- FRSC 5423 Bloodstain Pattern Analysis II

Any course(s) from the Criminalistics or Nursing Options for which prerequisites have been met.

3. Nursing

Required courses ............................................ 21 hrs
- NURS 5513 Psychiatric Forensic Nursing
- NURS 5523 Sexual Assault Forensics
- NURS 5533 Child Abuse Forensics
- NURS 5543 Domestic Violence Forensics
- FRSC 5313 Death Investigation
- FRSC 5413 Bloodstain Pattern Analysis I
- FRSC 5903 Practicum in Clinical Forensics

C. Comprehensive Examination

Each candidate is required to take a two-part written examination. The first part will cover the core courses and the second part will cover the required courses in his/her option. If the examining committee should find the candidate’s performance on the comprehensive examination is unsatisfactory, the candidate may petition the director of the Forensic Sciences program to be re-examined. Requests for re-examination will not be granted more than one time.

Graduate students who elect or are required to submit a thesis must each publicly defend the thesis before the student will be allowed to graduate. A representative of the College of Graduate Studies and Research will be present at the defense. See thesis format and submission requirements in this catalog.

Dr. Robert Bost, Program Dir., 974-5519 rbost@ucok.edu;  
Dr. David von Minden, 974-5467, dvonminden@ucok.edu;  
Dr. Linda Steele, 974-5176, lmsteele@ucok.edu;  
Dr. Sid Brown, 974-5271, sibrown@ucok.edu.
Graduate Faculty
**Graduate Faculty**

<table>
<thead>
<tr>
<th>Name</th>
<th>College</th>
<th>Degree, Institution</th>
<th>Date of Degree</th>
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<td><strong>A</strong></td>
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<tr>
<td>Absher, Anita G.</td>
<td>Education, B.S., Oklahoma State University</td>
<td>M.S., University of Central Oklahoma,</td>
<td>1983</td>
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<tr>
<td>Adamiak, Stanley J.</td>
<td>Liberal Arts, B.A., University of Vermont</td>
<td>M.A., University of Nebraska, 1990; Ph.D.</td>
<td>1988</td>
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<tr>
<td>Adams, Gwendolyn</td>
<td>Arts, Media &amp; Design, B.A. University of</td>
<td>M.S., University of Central Oklahoma,</td>
<td>1975</td>
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<tr>
<td>Ahmad, Riaz</td>
<td>Mathematics and Science, B.S.,</td>
<td>M.Ed. University of Central Oklahoma,</td>
<td>1969</td>
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<tr>
<td>Albahadily, Fakahrideen N.</td>
<td>Mathematics and Science, B.S., Basrah</td>
<td>M.S., Texas A&amp;M University, 1984; Ph.D.</td>
<td>1976</td>
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<tr>
<td>Allen, Steve</td>
<td>Education, B.S., University of Oklahoma,</td>
<td>M.S., University of Oklahoma, 1964; M.S.,</td>
<td>1973</td>
</tr>
<tr>
<td>Allison, Jerry D.</td>
<td>Business Administration, B.S. University of</td>
<td>University of Central Oklahoma, 1978; M.S.</td>
<td>1962</td>
</tr>
<tr>
<td>Alvarez, Esperanza</td>
<td>Education, B.S., Texas Women’s University,</td>
<td>M.A.T., Oklahoma City University, 1974;</td>
<td>1974</td>
</tr>
<tr>
<td>Anderson, Chalon</td>
<td>Education, B.S., University of Central</td>
<td>M.Ed., University of Central Oklahoma,</td>
<td>1984</td>
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<tr>
<td>Anderson, Joyce M.</td>
<td>Education, B.S., University of Central</td>
<td>M.S., University of Central Oklahoma, 1988</td>
<td>1986</td>
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<tr>
<td>Bahouth, Saba</td>
<td>Business Administration, B.S., American</td>
<td>M.S., Vanderbilt University, 1981; Ph.D.,</td>
<td>1975</td>
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<tr>
<td>Baker, James F.</td>
<td>Liberal Arts, B.A., University of Houston,</td>
<td>M.A., Tulane University of Louisiana, 1967</td>
<td>1965</td>
</tr>
<tr>
<td>Barker, Deborah A.</td>
<td>Education, B.A., Oklahoma Christian University of Science and Arts, 1972; M.Ed., University of Central Oklahoma 1987; Ph.D., University of Oklahoma, 1995</td>
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<tr>
<td>Barnes, Karen L.</td>
<td>Education, B.S.N., University of Oklahoma</td>
<td>M.S., University of Oklahoma Health Science Center, 1979; Ph.D., University of Oklahoma, 1989</td>
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<tr>
<td>Barthell, John F.</td>
<td>Mathematics and Science, B.S., University of California at Berkeley, 1985; Ph.D., University of California at Berkeley, 1992</td>
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<tr>
<td>Bass, T. David</td>
<td>Mathematics and Science, B.S., Lamar University, 1978; M.S., Lamar University, 1980; Ph.D., Texas A&amp;M University, 1985</td>
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<td>Baughman, T. H.</td>
<td>Liberal Arts, B.A., Stetson University,</td>
<td>M.A., Ohio State University, 1969; Ph.D., Florida State University, 1990</td>
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<tr>
<td>Beasley, Lori A.</td>
<td>Education, B.S., Oklahoma State University,</td>
<td>M.Ed., University of Central Oklahoma,</td>
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<td>Benson, Juana</td>
<td>Education, B.S., Oklahoma State University,</td>
<td>M.S., Oklahoma State University, 1990</td>
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<td>Bergman, Thomas P.</td>
<td>Business Administration, B.S., Northeastern</td>
<td>M.B.A., Northeastern Oklahoma State University, 1984; Ph.D., University of Oklahoma, 1981</td>
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<td>Bevel, Tom</td>
<td>Mathematics and Science, B.A., University of</td>
<td>M.A., University of Central Oklahoma, 1977</td>
<td>1986</td>
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<td>Bidlack, James E.</td>
<td>Mathematics and Science, B.S., Purdue</td>
<td>M.S., University of Arkansas, 1986; Ph.D., Iowa State University, 1990</td>
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<td>Bird, Rosa J.</td>
<td>Liberal Arts, B.A., University of Puerto Rico</td>
<td>M.A., University of Illinois at Urbana-Champaign, 1988; Ph.D., University of Illinois at Urbana-Champaign, 1991</td>
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<td>Birdsong, Sheryle</td>
<td>Education, B.S., University of Central</td>
<td>M.Ed., University of Central Oklahoma,</td>
<td>1994</td>
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<td>Black, Stephen</td>
<td>Business Administration, B.S., Texas A&amp;M</td>
<td>M.S., Oklahoma City University, 1982; M.B.A., Oklahoma City University, 1985; Ph.D., Oklahoma State University, 1995</td>
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<tr>
<td>Boliver, David E.</td>
<td>Mathematics and Science, B.A., Texas Tech</td>
<td>M.A., Rutgers University, 1966; Ed.D., Rutgers University, 1971</td>
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<tr>
<td>Bost, Robert O.</td>
<td>Mathematics and Science, B.S., University</td>
<td>M.A., University of Texas at Austin, 1966; MA, University of Texas at Austin, 1967; Ph.D., University of Houston, 1970</td>
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<tr>
<td>Bowden, Keith</td>
<td>Arts, Media &amp; Design, B.F.A., University of</td>
<td>M.S., University of Central Oklahoma,</td>
<td>1986</td>
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<td>Bowen, John</td>
<td>Mathematics and Science, B.S., University of Central Oklahoma, 1974; Ph.D., Oklahoma State University, 1982</td>
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<tr>
<td>Boyt, Thomas E.</td>
<td>Business Administration, B.S., U.S. Air</td>
<td>D.V.M., Colorado State University, 1980;</td>
<td></td>
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<tr>
<td>Breazeale, Carl E.</td>
<td>Education, B.S., University of Central</td>
<td>M.S., Central Missouri State University,</td>
<td>1978</td>
</tr>
</tbody>
</table>
Graduate Faculty

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


Brown, Deborah J., Liberal Arts, B.A., Southern Nazarene University, 1974; M.A.T., Rolling College, 1979; Ph.D., University of Oklahoma, 1994

Brown, Kathy A., Education, B.S., University of Central Oklahoma, 1981; M.Ed., University of Central Oklahoma, 1986; Ph.D., Oklahoma State University, 1994

Brown, Kenny L., Liberal Arts, B.A., Oklahoma State University, 1972; M.A., Oklahoma State University, 1975; Ph.D., Oklahoma State University, 1985

Brown, Randy L., Education, B.S., University of Texas at Austin, 1969; M.Ed., University of Texas at Austin, 1980; Ed.D., Texas A&M, 1991

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

*Burnett, George, Liberal Arts, B.S., Oklahoma State University, 1981; J.D., Oklahoma City University, 1987

Buxton, Patricia L., Education, B.S., University of Central Oklahoma, 1976; M.S., University of Oklahoma Health Science Center, 1980; Ed.D., Oklahoma State University, 1989

Buxton, Sheldon, Education, B.S., Missouri Southern State University, 1972; M.S., Southwest Missouri State University, 1977; Ed.D., Pittsburg State University, 1981; Ed.D., University of Arkansas, 1989

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, Mathematics and Science, B.S., Texas Tech University, 1969; M.S., University of North Texas, 1972; Ph.D., University of New Mexico, 1978

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


*Canfield, Dennis, Mathematics and Science, B.S., Lynchburg College, 1971; M.S., City University of New York, 1976; Ph.D., Northeastern University at Boston, 1988

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

Carrell, Amy, Liberal Arts, B.A., Purdue University, 1983; M.A. Purdue University, 1985; Ph.D., Purdue University, 1993

Carter, Karen, Arts, Media & Design, B.M.Ed., Oklahoma State University, 1971; M.S. Oklahoma State University, 1976; Ph.D. University of Oklahoma, 1986

Chandler, Gerald M., Education, B.A., Florida State University, 1967; M.A., Florida State University, 1969; Ph.D., Florida State University, 1985


Chen, Wei, Mathematics and Science, B.S., Shandong University, China, 1982; M.S., University of Oregon, Eugene, 1984; Ph.D., University of Oregon, Eugene, 1988

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

*Cleary, Shawna, 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

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

*Cody, Jenny L., Education, B.S., University of Central Oklahoma, 1975; M.Ed., University of Oklahoma, 1977

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

*Colden, Melanie, Education, B.A., Oklahoma Baptist University, 1971; M.S., University of Oklahoma, 1973

Collins, Edward C., Education, B.A., Gonzaga University, 1966; M.T., East Central Oklahoma State University, 1967; Ph.D., University of Oklahoma, 1976

*Cook, Debra, Education, B.S.Ed., Oklahoma State University, 1980; M.S., Oklahoma State University, 1984; Ed.D., Oklahoma State University, 2000

Cooper, Charles, Mathematics and Science, University of Oklahoma, 1976; University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1990

*Corum, William R., Business Administration, B.S., Millikin University, 1966; J.D., Oklahoma City University, 1976

*Coy, Sherry, Liberal Arts, B.A., Oklahoma Baptist University, 1978; M.Ed.; Southwestern Oklahoma State University,
### Graduate Faculty

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<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year(s)</th>
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<td>Craig, Dana S.</td>
<td>Ph.D., Nova Southeastern University</td>
<td>2001</td>
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<td>Dadelez, Eva</td>
<td>M.S., Washington State University, 1989</td>
<td>Ed.D., Oklahoma State University, 1999</td>
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<td>Davis, Marsha</td>
<td>Education, B.S.</td>
<td>Oklahoma State University, 1976; M.Ed., University of Central Oklahoma, 1984</td>
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<td>Davis, Lola</td>
<td>Education, B.S.</td>
<td>University of Central Oklahoma, 1977; M.Ed., Ed.D., Oklahoma State University, 1993</td>
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<td>De Bolt, Darian C.</td>
<td>Liberal Arts, B.A.</td>
<td>University of Oklahoma, 1968; M.A., University of Oklahoma, 1985; Ph.D.</td>
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<td>Decker, James</td>
<td>Mathematics and Science, B.S.</td>
<td>Carnegie-Mellon University, 1970; Ph.D., University of California, 1975</td>
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<td>De los Santos, Tomas</td>
<td>Business Administration, B.A.</td>
<td>Universidad Autonoma de Nuevo Leon, 1972; M.A., Boston University, 1976; Ph.D., Clark University, 1988</td>
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<td>Dennis, Judy</td>
<td>Education, B.S.</td>
<td>Colorado State University, 1965; M.S., Colorado State University, 1966</td>
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<td>Deskin, Jack W.</td>
<td>Liberal Arts, B.S.</td>
<td>Oklahoma State University, 1964; M.A., University of Oklahoma, 1968; Ph.D., University of Southern Mississippi, 1977</td>
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<tr>
<td>Devenport, Jill A.</td>
<td>Education, B.A.</td>
<td>State University of New York College at Buffalo, 1975; M.S., Southern Oregon State College, 1978; Ph.D., University of Oklahoma, 1986</td>
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<td>Dickson, Warren</td>
<td>Business Administration, B.F.A.</td>
<td>University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1994</td>
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<td>Doan, Robert</td>
<td>Education, B.S.</td>
<td>Oklahoma State University, 1965; M.S., Washington State University, 1966; M.Ed., University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1986</td>
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<td>Donaldson, Daniel</td>
<td>Liberal Arts, B.A.</td>
<td>California State University, Fullerton, 1992; M.A., California State University, Fullerton, 1994; Ph.D., Kent State University, 1999</td>
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<td>Donovan, Kathleen M.</td>
<td>Education, B.A.</td>
<td>University of Oklahoma, 1970; M.A., Southern Methodist University, 1972; Ph.D., University of Kansas, 1978</td>
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<td>Downs, Alexis</td>
<td>Business Administration, B.A.</td>
<td>University of Wisconsin-Oshkosh, 1975; M.A., Oklahoma State University, 1978; M.Acc., University of Oklahoma, 1982; Ph.D., St. Louis University, 1998</td>
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<td>DuVerney, Brenda</td>
<td>Liberal Arts, B.A.</td>
<td>University of Central Oklahoma, 2000; M.A., University of Central Oklahoma, 2002</td>
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<td>Eakins, Keith</td>
<td>Liberal Arts, B.A.</td>
<td>Ohio State University, 1985; J.D., Ohio State University, 1989; Ph.D., Ohio State University, 1999</td>
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<td>Echols, David W.</td>
<td>Education, B.S.</td>
<td>University of Oklahoma, 1972; J.D., Oklahoma City University, 1978</td>
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<td>Elliott, Ray</td>
<td>Liberal Arts, B.S.</td>
<td>Southwestern Oklahoma State University, 1974; M.Ed., Southwestern Oklahoma State University, 1975; J.D., Oklahoma City University, 1980</td>
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<td>Endres, Daniel J.</td>
<td>Mathematics &amp; Science, B.S.</td>
<td>University of New Mexico, 1983; M.S., University of New Mexico, 1986; Ph.D., University of New Mexico, 1992</td>
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<td>Epplin, Maryellen P.</td>
<td>Business Administration, B.A.</td>
<td>Montana State College, 1975; M.S., Iowa State University, 1977; Ph.D., Oklahoma State University, 1992</td>
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<td>Epstein, Robert H.</td>
<td>Business Administration, B.S.</td>
<td>Cornell University, 1973; M.A., University of Denver, 1974; M.A., University of Southern California, 1976; Ph.D., University of Southern California, 1978</td>
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<td>Evans-Groce, LaMonia N.</td>
<td>Liberal Arts, B.S.</td>
<td>Bishop College, 1971; M.S., University of Central Oklahoma, 1975; Ph.D., University of Oklahoma, 1987</td>
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<td>Ferguson, John M.</td>
<td>Mathematics &amp; Science, B.S.</td>
<td>University of Kansas, 1987; Ph.D., Iowa State University, 1993</td>
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<td>Fister, Nelda</td>
<td>Mathematics &amp; Science, B.S.</td>
<td>Oklahoma Baptist University, 1965; M.S., University of Oklahoma, 1974</td>
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Graduate Faculty

*Flesher, Sandra, Arts, Media & Design, B.M., Eastman School of Music, 1960; M.M., Eastman School of Music, 1965
*Fly, Pamela, Education, B.S.Ed., Southwest Missouri State University, 1980; M.Ed., Drury College, 1984; Ph.D., University of Oklahoma, 1994
*Font, Raul, Education, B.A., University of Puerto Rico, 1974; M.A., University of Central Oklahoma, 1984; Ph.D., University of Oklahoma, 2001
*Ford, Darrell, Business Administration, J.D., M.B.A., University of Texas, 1986
Ford, David A., Liberal Arts, B.A., Oral Roberts University, 1973; M.S., Oklahoma State University, 1975; Ph.D., Oklahoma State University, 1988
*Foster, Larry L., Business Administration, B.S., Oklahoma State University, 1962; J.D., University of Oklahoma, 1965
Frech, Cheryl Baldwin, Mathematics & Science, B.S., Oklahoma State University, 1981; M.S. University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1987
*Fuller, Susie, Education, B.S., University of Oklahoma, 1979; M.S., University of Oklahoma, 1988

G
Garic, John, Business Administration, B.A., University of New Orleans, 1976; J.D. Loyola University School of Law, 1979; M.Ed., University of New Orleans, 1994
Garrison, Stephen, Liberal Arts, B.A., Baylor University, 1974; M.A., Baylor University, 1977; Ph.D., University of South Carolina, 1981
*Gavel, Craig, Mathematics and Science, B.S., Oklahoma City University, 1988; M.S., Oklahoma City University, 1992
George, John E., Liberal Arts, B.S., University of Oklahoma, 1958; M.S., University of Oklahoma, 1960; M.A., University of Oklahoma, 1967; Ph.D., University of Oklahoma, 1971
Getzoff, Douglas R., Arts, Media & Design, B.A., University of Northern Iowa, 1982; M.F.A., University of Georgia, 1984
Givan, Christopher F., Liberal Arts, B.A., Yale University, 1966; M.A., Stanford University, 1968; Ph.D., Stanford University, 1970
Gleason, Anne, Business Administration, B.S., Duke University, 1981; Ph.D., Florida State University, 1990
*Gleason, Denise D., Arts, Media & Design, B.A., Oklahoma City University, 1972; M.C.J.A., Oklahoma City University, 1975; M.Ed., University of Central Oklahoma, 1994
*Goldman, Jan, Education, M.Ed., University of Central Oklahoma, 1990
*Gorrell, Brian, Arts, Media & Design, B.M.Ed., University of Central Oklahoma, 1995; M.M., Oklahoma City University, 1998
Goudge, Darrell, Business Administration, 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
*Gourley, Michael D., Mathematics and Science, B.B.A., University of Oklahoma, 1974; M.S., University of Oklahoma, 1975
*Gravel, Craig, Liberal Arts, B.S., Oklahoma City University 1988; M.A., Oklahoma City University 1992
Green, Barbara, Education, B.S., Cameron University, 1980; M.S., Southwestern State University, 1986; Ph.D., Oklahoma State University, 1992
Green, Malinda Hendricks, Education, B.A., Northwestern Oklahoma State University, 1971; M.A., Northwestern Oklahoma State University, 1976; Ph.D., University of Oklahoma, 1989
*Green, Pamela, Arts, Media & Design, B.M., Oklahoma City University, 1970; M.M., Oklahoma City University, 1973
Grzybowski, Joseph A., Mathematics and Science, B.S., St. Bonaventure University, 1970; M.S., St. Bonaventure University, 1974; Ph.D., University of Oklahoma, 1980
Guild, Thomas E., Business Administration, B.A., University of Oklahoma, 1976; J.D. Southern Methodist University, 1979
Guthrie, Peggy J., Mathematics and Science, B.S., East Central Oklahoma State University, 1958; M.S., University of Oklahoma, 1968; Ph.D., University of Oklahoma Health Sciences Center, 1982
*Guzik, Bernie, Arts, Media & Design, B.M., Juilliard School of Music, 1968

H
Hansen, Billye, Business Administration, B.S., Oklahoma State University, 1968; M.Ed., University of Central Oklahoma, 1971; Ed.D., Oklahoma State University, 1984
Hanson, Olivia, Mathematics and Science, B.S., University of Oklahoma, 1972; Ph.D., University of Oklahoma, 1982
Hardt, Jan C., Liberal Arts, B.A., Union College-New York, 1986; M.A., University of California-Davis, 1988; Ph.D., University of California-Davis, 1991; Ph.D., University of Oklahoma, 1996
## Graduate Faculty

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<td>University of South Alabama</td>
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<td><strong>Huang, April L.</strong></td>
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<td><strong>Israel, Deborah</strong></td>
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<td>SUNY at Stony Brook</td>
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<td><strong>Jimison, Lorraine</strong></td>
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<td><strong>Higbie, Russell M.</strong></td>
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<td><strong>Hill, Charles E.</strong></td>
<td>B.A.</td>
<td>University of Central Oklahoma</td>
<td>Liberal Arts</td>
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Graduate Catalog, 2003-2004
Graduate Faculty


*Johnson, Brenda Seward, Arts, Media & Design, B.M.Ed., Oklahoma State University, 1975; M.M., Oklahoma City University, 1979

Johnson, Joseph T., Business Administration, B.A., University of Michigan, 1968; M.T.S., Harvard University, 1971; M.S., Michigan State University, 1973; Ph.D., University of Chicago, 1980

*Johnson, Scott, Arts, Media & Design, B.A., Oklahoma City University, 1990; M.M., Oklahoma City University, 1998

Johnson, William A., Liberal Arts, B.A., Northeastern Oklahoma State University, 1967; M.S., Pittsburg State University, 1968; Ph.D., Oklahoma State University, 1971


Jones, Randall J., Liberal Arts, B.A., Oklahoma State University, 1962; M.A., Oklahoma State University, 1966; Ph.D., University of Texas at Austin, 1974

Jones, Robert C., Liberal Arts, B.S., Oklahoma City University, 1960; M.S., Oklahoma State University, 1962; Ph.D., University of Oklahoma, 1966

Jones, Russell W., Business Administration, B.S., Oklahoma State University, 1955; M.S.B.A., Boston University, 1977; Ph.D., Oklahoma State University, 1992

*Jordan, Fred, Mathematics and Science, A.B., Bowdoin College, 1962; M.D., Tufts University School of Medicine, 1966

Jung, Byung I., Liberal Arts, BLAW, Won Kwang University, Korea, 1971; MRCP, University of Oklahoma, 1977; Ph.D., University of Oklahoma, 1984

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

K

*Katz, David, Mathematics and Science, B.A., Central College, 1972; Ph.D., University of Utah, 1980


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

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


*King, Danny, Education, B.S., University of Central Oklahoma, 1989; M.Ed., University of Central Oklahoma, 1993

King, John P., Mathematics and Science, B.S., University of Central Oklahoma, 1961; Ph.D., Oklahoma State University, 1966


Kleeman, J. Kole, Liberal Arts, B.S., Southern Illinois University at Carbondale, 1980; M.S., Southern Illinois University at Carbondale, 1983; Ph.D., Ohio University at Athens, 1995


Knight, Bettie Jo, Liberal Arts, B.S., Oklahoma State University, 1974; M.A., Oklahoma State University, 1979; Ph.D., Oklahoma State University, 1983

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


Kuzminsinski, Pam, Education, B.S., University of Oklahoma, 1973; M.Ed., North Texas State University, 1980; Ph.D., North Texas State University, 1984

*Kyle, Gari, Arts, Media & Design, B.M., Oklahoma City University, 1972; M.M., Oklahoma City University, 1974

L

*Lacy, Robin H., Jr., Education, B.S., Oklahoma State University, 1985; M.S., Oklahoma State University, 1998

LaGrow, Patricia, Mathematics and Science, B.S., University of Central Oklahoma, 1976; M.S., University of Oklahoma, 1979; Ph.D., Texas Woman's University, 1993

Lator, Brendan J., Liberal Arts, B.A., College of Saint Rose, Albany, 1992; M.A., University at Albany, SUNY, 1996; Ph.D., University at Albany, SUNY, 1998


Larson, Shirley K., Education, B.S., Oklahoma State University, 1965; M.S., Drake University, 1973; Ed.D., Oklahoma State University, 1990

Law, Stephen C., Liberal Arts, B.A., Florida State University, 1978; M.A., Florida State University, 1980; Ph.D., Florida State University, 1986

*Lawson, Debi, Education, B.B.A., University of Central Oklahoma, 1984; M.S., University of Central Oklahoma, 1987

Graduate Faculty

Lehman, Paul R., Liberal Arts, B.A., University of Central Oklahoma, 1969; M.Ed., University of Central Oklahoma, 1971; Ph.D., Lehigh University, 1976

Lemley, Evan C., Mathematics and Science, B.A., Hendrix College, 1989; M.S., University of Arkansas, 1991; Ph.D., University of Arkansas, 1996

Leonard, Sandra R., Mathematics and Science, B.S., University of Oklahoma, 1964; M.S., University of Oklahoma, 1967

Lewis, Gladys S., Liberal Arts, R.N., St. Anthony’s, 1953; B.A., Texas Christian University, 1956; M.A., University of Central Oklahoma, 1985; Ph.D., Oklahoma State University, 1991

Li, Xiao-Bing, Liberal Arts, B.A., Nankai University, China, 1982; M.A., Carnegie-Mellon University, 1984; Ph.D., Carnegie-Mellon University, 1991

Liew, Chung Ja, Business Administration, B.S., University of California-Berkeley, 1965; M.A., University of Oklahoma, 1973; Ph.D., University of Oklahoma, 1977


Lucas, Carol A., Mathematics and Science, B.S., Southwest Missouri State University, 1977; M.A., Southwest Missouri State University, 1979; Ph.D., University of Kansas at Lawrence, 1999

Lucas, Larry A., Mathematics and Science, B.S., Southwest Missouri State University, 1975; M.A., Southwest Missouri State University, 1979; Ph.D., University of Missouri, 1987


Lynch, Anne G., Liberal Arts, B.A., University of Oklahoma, 1961; M.A., University of Oklahoma

Lyon, Melinda, Arts, Media & Design, B.S., Oklahoma State University, 1978; M.S., University of Central Oklahoma, 1989

Maddox, Eleanor J., Education, B.S., Pittsburg State University, 1969; M.Ed., University of Missouri-Columbia, 1965; Ph.D., Arizona State University, 1977


Markwood, Christopher, Arts, Media & Design, B.A., Southwest Baptist University, 1987; M.A. University of Missouri-Columbia, 1988; Ph.D. University of Missouri-Columbia, 1993

Marshall, Charles L., Education, B.S., Duquesne University, 1974; M.S., Duquesne University, 1977; Ph.D., University of Oklahoma, 1984

Martin, David L., Mathematics and Science, B.S., Cameron University, 1973; Ph.D., Oklahoma State University, 1979

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

Mauk, Linda, Arts, Media & Design, B.S., Oklahoma State University, 1982

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


Mayfield, Sandra, Liberal Arts, B.A., Oklahoma Baptist University, 1964; M.A., University of Oklahoma, 1970; Ph.D., University of Oklahoma, 1980


McClellan, 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

McClure, Nancy R., Business Administration, B.B.A., Texas Tech University, 1980; M.B.A., Texas Tech University, 1982; Ph.D., Texas Tech University, 1995

McCoy, Mark R., Liberal Arts, B.S., Western Michigan University, 1980; M.S., National University, 1984; Ed.D., Oklahoma State University, 2000

McCurliey, Barbara, Arts, Media & Design, B.S., Oklahoma State University, 1981

McDaniel, John W., Mathematics and Science, B.S., East Central Oklahoma State University, 1972; M.S., Oklahoma State University, 1975; Ph.D., Kansas State University, 1985

McDonald, Linda L., Liberal Arts, B.A., Oklahoma City University, 1965; M.A., University of Kansas, 1967; M.A., University of Central Oklahoma, 1991


McLaughlin, Scott F., Education, B.S., Winona State Uni-
Graduate Faculty

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<td>Liberal Arts, B.A.</td>
<td>University of Central Oklahoma, 1982</td>
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<td>Necco, Joanne</td>
<td>Education, B.S.</td>
<td>University of Central Oklahoma, 1978</td>
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<td>*Nelson, Carol Jean</td>
<td>Liberal Arts, B.A.</td>
<td>Central State University, 1971</td>
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<td>New, Dallas G.</td>
<td>Mathematics and Science, B.S.</td>
<td>Baker University, 1988</td>
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<td>New, Pamela R.</td>
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<td>Noel, David E.</td>
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<td>Mathematics and Science, B.S.</td>
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<td>Olivier, Gwendolyn M.</td>
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University of Central Oklahoma

Graduate Catalog, 2003-2004

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Graduate Faculty

Parrish, Ralph W., Business Administration, B.B.A., Wichita State University, 1977; M.B.A., Wichita State University, 1982; Ph.D., University of Arkansas, 1994

Patterson, Patsy M., Education, B.S., Southwestern Oklahoma State University, 1966; M.L.S., University of Oklahoma, 1984; Ed.D., Oklahoma State University, 1995

*Peters, Richard, Liberal Arts, B.A., University of Wichita, 1955; M.A., University of Oklahoma, 1961; Ph.D., University of Oklahoma, 1971

*Peterson, Royce, Liberal Arts, B.S., McMurry College, 1954; M.Ed., McMurry College, 1960

Pinkston, Gerry C., Education, B.S., Oklahoma State University, 1971; M.Ed., University of Central Oklahoma, 1975; Ed.D., Oklahoma State University, 1982

Plaks, Jeffrey, Liberal Arts, B.A., University of Connecticut, 1989; M.A., University of Connecticut, 1992; Ph.D., Northern Illinois University, 1998

Pool, Carolyn G., Liberal Arts, B.S., University of Oklahoma, 1963; M.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1987

Pourbabaei, Hassan, Business Administration, B.S., Advanced Statistical Institute, 1974; M.A., Eastern New Mexico University, 1976; M.S., Southwestern University of Louisiana, 1979; M.A., University of Missouri-Columbia, 1981; Ph.D., University of Nebraska-Lincoln, 1987

Pratt, Steven, Liberal Arts, B.A., the University of New Mexico, 1973; M.A., University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1987

Pugh, Edward J., Liberal Arts, B.A., University of Central Oklahoma, 1972; M.A., University of Oklahoma, 1977; Ph.D., University of Oklahoma, 1996

Q

*Querry, Pat, Education, B.S., University of Central Oklahoma, 1988; M.Ed., University of Central Oklahoma, 1990; Ed.D., Oklahoma State University, 1998

R

Radke, William J., Mathematics & Science, B.S., Mankato State University, 1970; M.A., Mankato State University, 1972; Ph.D., University of Arizona, 1975

Rambo, Alma G., Mathematics & Science, B.S., University of Central Oklahoma, 1982; M.S., University of Oklahoma, 1986; Ph.D., University of Oklahoma, 1997

Rao, S. Narasinga, Mathematics and Science, B.S., University of Madras, India, 1958; M.S., University of Madras, India, 1962; M.S., McMaster University, 1969; Ph.D., State University at Buffalo, 1973

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


Remy-Schumacher, Tess, Arts, Media & Design, Kunstlerische Reifeprüfung, Musikhochschule Cologne, 1987; M.M., University of Southern California, Los Angeles, 1989; D.M.A., University of Southern California, Los Angeles, 1998

*Reynolds, Rebecca, Education, B.S., University of Tulsa, 1978; M.S., University of Oklahoma Health Science Center, 1983

Rice, Allen C., Liberal Arts, B.A., University of Oklahoma, 1980; M.A., University of Oklahoma 1983; Ph.D., University of Indiana, 1993

*Richards, Robert, Business Administration, B.A., Oklahoma City University, 1965; M.L., Golden Gate University, 1996; J.D., Thomas Jefferson School of Law, 1993


Rickman, Charles A., Business Administration, B.B.A., Missouri Southern State College, 1985; M.B.A., University of Missouri-Columbia, 1986; Ph.D., University of Oklahoma, 1990

Roberson, Jere W., Liberal Arts, B.S., Tennessee Technological University, 1962; M.A., Auburn University, 1963; Ph.D., University of Georgia, 1966

Roettger, Lloyd O., Education, B.S., Indiana State University, 1970; M.A., Indiana State University, 1971; Ph.D., Iowa State University, 1990

Rooker, Jill, Education, B.S., Oklahoma State University, 1976; B.S., Oklahoma State University, 1978; M.S., Oklahoma State University, 1984; Ph.D., Indiana University, 1995

Rooney, Martin, Mathematics and Science, B.S., University of Texas at Austin, 1968; M.S., Brown University, 1971; Ph.D., University of Texas at Austin, 1977


*Rudebock, Rich, Business Administration, B.B.A., Kent State University, 1974; M.Ed., Texas Tech University, 1978; Ed.D., Oklahoma State University, 1999

S

*Sasser, Sue Lynn, Business Administration, B.A., University of Central Oklahoma, 1976; M.S., University of Central Oklahoma, 1980; Ph.D., Texas Woman’s University, 1983

Scott, Gregory M., Liberal Arts, B.A., Ohio Wesleyan University, 1970; M.A., University of Virginia, 1973; M.Div., Oral Roberts University, 1987; Ph.D., University of Virginia, 1989

Scott, Jill, Education, B.A., University of Southern Maine, 1987; M.S., Oklahoma State University, 1990; Ph.D., Oklahoma State University, 1995

Graduate Faculty

Sebert, Candy A., B.S., Oklahoma State University, 1972; M.Ed., Northeastern Oklahoma State University, 1974; Ed.D., Oklahoma State University, 1983
Seibert, Larry J., Business Administration, B.S., Purdue University, North Central, 1984; M.S.B.A., Indiana University Northwest, 1986; Ph.D., Purdue University, 1994
Shaaf, Mohammad, Business Administration, B.S., Pahlavi University, Shiraz, Iran, 1972; M.B.A., University of Texas of the Permian Basin, 1976; Ph.D., Texas Tech University, 1982
Sharp, Brett S., Liberal Arts, B.S., Oklahoma State University, 1988; M.P.A., University of Oklahoma, 1991; Ph.D., University of Oklahoma, 1998
Sheets, Mary Flanagan, Business Administration, B.S., Oklahoma City University, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1995
Shirley, Michael, Business Administration, B.A., Oklahoma State University, 1978; J.D., University of Oklahoma, 1981
Shreck, R. Paulette, Education, 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
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
Sloan, Roberta Raider, Arts, Media & Design, B.S., Northwestern University, 1966; M.A., University of Michigan, 1967; Ph.D., University of Michigan, 1970
*Sloop, Gail, Arts, Media & Design, B.A., Southwestern Oklahoma State University, 1975; M.F.A., University of Houston, 1986
Smith, Mark J., Liberal Arts, B.A., University of Central Florida, 1975; M.A., University of Florida, 1993; Ph.D., University of Florida, 1997
*Snear, Karen, Education, B.S., Oklahoma State University, 1990; M.Ed., Northwestern Okla. State University, 1995
*Snider, Gayle, Education, B.A., University of Colorado, 1972; M.P.H., University of North Carolina, 1978; M.S., University of Oklahoma, 1996
Sokoll, Gary, Mathematics and Science, B.S., University of Central Oklahoma, 1980; M.Ed., South Dakota State University, 1981; J.D., University of South Dakota, 1987
Southerland, Stacy, Liberal Arts, B.A., Stephen F. Austin State University, 1987; M.A., Indiana University, 1990; Ph.D., Indiana University, Bloomington, 1994
Spelman, Mary D., Liberal Arts, B.A., University of Central Oklahoma, 1971; M.Ed., University of Central Oklahoma, 1976; Ph.D., Oklahoma State University, 1996
Spencer, Susan, 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, 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., Liberal Arts, B.A., University of Oklahoma, 1979; M.A., University of Oklahoma, 1986; Ph.D., University of Iowa, 1994
Sprung, Douglas C., Education, B.A., Western Michigan University, 1964; M.A., Western Michigan University, 1965; M.S., Central Michigan University, 1970; Ph.D., University of Michigan, 1973
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
Steele, Linda L., Liberal Arts, B.A., University of Central Oklahoma, 1988; M.A., University of Central Oklahoma, 1990; Ph.D., University of Southwestern Louisiana, 1996
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 Jr., Liberal Arts, B.A., University of Central Oklahoma, 1991; M.A., University of Central Oklahoma, 1992; Ph.D., Oklahoma State University, 1999
Stockwell, William, Mathematics and Science, B.S., University of Central Oklahoma, 1973; M.A., University of Oklahoma, 1975; PhD, University of Oklahoma 2002
Stone, Paul A., *Mathematics and Science, B.S., University of Florida, 1987; M.S., Auburn University, 1990; Ph.D., University of New Mexico, 1995
Graduate Faculty

*Stuart, Roger,* Liberal Arts, B.A., University of Oklahoma, 1973; J.D., University of Oklahoma, 1978  
Stufflebean, Tana, Education, B.S., Oklahoma State University, 1964; M.S., University of Central Oklahoma, 1977; Ph.D., Oklahoma State University, 1982  
Stults, Cathy L., Liberal Arts, B.A.Ed., University of Central Oklahoma, 1970; Ph.D., University of Oklahoma, 1986  
Stumbaugh, Charles C., Business Administration, B.S., Northeastern Oklahoma State University, 1963; M.S., Oklahoma State University, 1964; Ph.D., University of Oklahoma, 1975  
Swezey, Keith, Liberal Arts, B.A., University of Central Oklahoma, 1974; M.S., Oklahoma State University, 1989; Ed.D., Oklahoma State University, 1997  
Sung, Hong, Mathematics and Science, B.S., Seoul National University, 1984; M.S., University of Louisiana, 1990; Ph.D., University of Arizona, 1994  
*Tabor, Susan E.,* Education, B.S., University of Nebraska, 1979; M.Ed., University of Central Oklahoma, 1982; Ph.D., University of Oklahoma, 2001  
Terrell, Kathereen P., Business Administration, B.B.A., University of Oklahoma, 1969; M.B.A., University of Central Oklahoma, 1990; Ed.D., Oklahoma State University, 1994  
Terrell, Robert L., Business Administration, B.B.A., University of Oklahoma, 1969; M.B.A., University of Oklahoma, 1971; Ed.D., Oklahoma State University, 1992  
*Thi Vu, Nicole,* Mathematics and Science, B.S., University of the Ozarks, 1980; B.S., Arkansas State University, 1981; B.S., University of Oklahoma, 1991; Ph.D., University of Oklahoma, 1998  
*Thompson, Sandra D.,* Arts, Media & Design, B.M., Oklahoma City University, 1975; M.M.Ed., University of Central Oklahoma, 1984  
Thornton, Phyllis, Mathematics and Science, B.A., San Diego State University, 1970; Ed.D., Oklahoma State University, 1988  
*Tice, Deborah,* Education, B.S., University of Central Oklahoma, 1991; M.Ed., University of Central Oklahoma, 1992; Ph.D., Oklahoma State University, 2002  
Tullis, Kim J., Business Administration, B.S., Southern Nazarene University, 1977; M.B.A., University of Houston, 1988; Ph.D., University of Arkansas, 1996  
Turner, Thomas R., Mathematics and Science, B.S., University of Washington, 1975; M.S., Iowa State University, 1981; Ph.D., Iowa State University, 1987  
*Van Cook, Jeri,* Liberal Arts, B.S., Northwestern Oklahoma State University, 1977; M.A., University of Central Oklahoma, 1991  
*Vaughan, Danny,* Arts, Media & Design, B.A., Oklahoma Christian University of Science and Arts, 1996; M.M., University of Central Oklahoma, 1997  
Vaughan, Theresa, Liberal Arts, B.A., University of Michigan, 1990; M.A., Indiana University, 1995; Ph.D., Indiana University, 1999  
*Vaughn-Roberson, Glen,* Liberal Arts, B.A., Northwestern Oklahoma State University, 1968; M.A., Oklahoma State University, 1972; Ph.D., Oklahoma State University, 1977  
*Villani, Shari,* Education, B.S.Ed., Northwestern Oklahoma State University, 1972; M.Ed., University of Central Oklahoma, 1993; Ed.D., Oklahoma State University, 1999  
von Minden, David L., Mathematics and Science, B.S., Texas Tech University, 1966; Ph.D., University of Nebraska, 1970  
  
W  
*Wagner, Earle,* Business Administration, B.S., Oklahoma State University, 1960; C.P.A., Oklahoma State University, 1962; J.D., Oklahoma City University, 1970  
Wakefield, Judith E., Education, B.S.Ed., Emporia State University, 1971; Ph.D., University of Oklahoma, 1986  
*Walker, Michael,* Arts, Media & Design, B.M., Oklahoma City University, 1990; M.M.Ed., University of Central Oklahoma, 1994  
Wall, Ida Kay, Education, B.S., University of Central Oklahoma, 1970; M.S., University of Central Oklahoma, 1979; Ed.D., Oklahoma State University, 1988  
*Ward, Sherry,* Education, B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1995  
Warning, Renee, Business Administration, B.B.A., University of Central Oklahoma, 1986; M.B.A., University of Central Oklahoma, 1989; Ed.D., Oklahoma State University, 1992  
Warren, Clifton L., Liberal Arts, B.A., University of Richmond, 1952; M.A., University of Richmond, 1954; Ph.D., Indiana University, 1962  
Washington, Pamela, Liberal Arts, B.A., Oklahoma State University, 1982; M.A., Oklahoma State University, 1985; Ph.D., University of Southwestern Louisiana, 1993  
Waters, Marilyn B., Education, B.S., Oklahoma State University, 1981; M.S., Oklahoma State University, 1985; Ph.D., Oklahoma State University, 1992  
Watson, James R., Arts, Media & Design, B.S., University of Texas at Austin, 1979; M.Ed., University of North Texas, 1982; Ph.D., University of North Texas, 1987  
Webb, David D., Liberal Arts, B.A., Pepperdine University, 1981; Ph.D., University of Central Oklahoma, 1987
Graduate Faculty

1962; M.A., University of Oklahoma, 1963; Ph.D., University of Oklahoma, 1978
Wendling, Brent L., Education, B.A., Syracuse University, 1966; M.Ed., Bowling Green State University, Ohio, 1973; Ph.D., Bowling Green State University, Ohio, 1986
Wert-Gray, Stacia, Business Administration, B.S., University of Arizona, 1981; M.B.A., University of Arizona, 1985; Ph.D., University of Oklahoma, 1993
Williams, Janice K., Business Administration, B.S., Oklahoma State University, 1969; M.B.A., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1993
*Williams, Kathryn, Liberal Arts, B.A., University of Oklahoma, 1975; M.C.J.A., Oklahoma City University, 1980
Williams, Mary E., Business Administration, B.S.Ed., Langston University, 1973; M.Ed., Northeastern Oklahoma State University, 1977; Ph.D., University of Oklahoma, 2001
Willis, P. Geoffrey, Business Administration, B.S., Vanderbilt University, 1984; M.S., Texas Tech University, 1992;
### Graduate Course Descriptions

#### Key to Course Prefixes

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<tr>
<td>SPAN</td>
<td>Spanish, Modern Languages, Literatures and Cultural Studies, CLA</td>
</tr>
<tr>
<td>SLP</td>
<td>Speech, Language Pathology, Special Services, COE</td>
</tr>
<tr>
<td>STAT</td>
<td>Statistics, Mathematics and Statistics, CM&amp;S</td>
</tr>
<tr>
<td>SAS</td>
<td>Substance Abuse Studies, Sociology, Criminal Justice and Substance Abuse Studies, CLA</td>
</tr>
<tr>
<td>TESL</td>
<td>Teaching English as a Second Language, Curriculum and Instruction, COE</td>
</tr>
<tr>
<td>THRT</td>
<td>Theatre, Theatre, Dance and Media Arts, CAMD</td>
</tr>
</tbody>
</table>
Graduate Course Descriptions

**ACCOUNTING (ACCT)**
Department of Accounting, College of Business Administration

**ACCT 5000  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. No more than 2 hours of workshop may be counted toward a master's degree.

**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.

**ACCT 5113  ACCOUNTING THEORY**
Provides a frame of reference in financial accounting theory, origin and development of accounting practices, and a critical study of current accounting theory. **Prereq:** Completed all prerequisites for the MBA Program. 18 credit hours in upper division accounting, including ACCT 3213 & ACCT 3233.

**ACCT 5213  CURRENT TOPICS IN ACCOUNTING**
A course to provide the student with knowledge and insight to current problems and/or new areas of concern emerging in the field of accounting. **Prereq:** Completed all prerequisites for the MBA Program, 18 credit hours in upper division accounting courses including ACCT 3213 and ACCT 3233.

**ACCT 5313  CURRENT ISSUES IN TAXATION**
Analysis of corporate partnerships; federal tax situations involving estate and trust, with emphasis on research and planning. **Prereq:** Completed all prerequisites for the MBA Program, 18 credit hours in upper division accounting courses including ACCT 3333.

**ACCT 5423  CURRENT ISSUES IN AUDITING**
A graduate course designed to challenge the graduate student to consider philosophies and concepts of accounting and auditing; to understand the current developments, threats and attributes of the profession. **Prereq:** Completed all prerequisites for the MBA Program, 18 credit hours in upper division accounting courses including ACCT 4363.

**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 IN ACCOUNTING**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**ACCT 5920  DIRECTED READING IN ACCOUNTING**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**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  SPECIAL TOPICS IN ACCOUNTING**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary.

**ACCT-ADED**

**ACCT 5960  INSTITUTE IN ACCOUNTING**
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**ACCT 5970  STUDY TOUR**
Credit will vary from 1 to 2 hours. 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 Occupational And Technology Education, College of Education

**ADED 5000  WORKSHOP IN ADULT 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**ADED 5073  MANAGEMENT OF ADULT EDUCATION AND COMMUNITY SERVICE**
This course will focus on the organization and administration of adult programs with emphasis on assessing needs, planning staff development, fiscal operations, facilities, evaluation, and maintenance of effective community relations.

**ADED 5122  FOUNDATIONS OF TRAINING AND DEVELOPMENT**
This course is designed to provide an overview of the training and development field. The major emphasis is on the roles and responsibilities of training and development personnel, the structure of departments housing the training and development function, and how training and development personnel identify and provide for training needs.

**ADED 5132  HISTORY AND PHILOSOPHY OF ADULT EDUCATION**
This course is an overview of the historical development of adult education, current programs of adult education abroad and in the United States, nature of adult groups, present trends and future developments, organization and administration, and the philosophy of adult education.

**ADED 5313  TECHNIQUES OF TEACHING ADULTS**
This course will improve an adult educator’s skills in teaching/training adult learner in an educational and/or business setting. Emphases will be placed on the functions of planning, organizing, conducting, and evaluating the instructional process of adult education and training programs.

**ADED 5342  CONSULTING SKILLS IN TRAINING AND DEVELOPMENT**
This course examines the internal and external consulting roles of the training and development professional. Topics include an overview of the consulting process, conducting contracting meetings, understanding and dealing with resistance, gathering data, and conducting feedback meetings. Responding to requests for proposals, writing proposals, developing budgets, and determining the cost benefits of training will also be examined.
Graduate Course Descriptions

ADED 5423  INSTRUCTIONAL EVALUATION IN TRAINING AND DEVELOPMENT
This course is an examination of techniques for the evaluation of training and vocational-technical education with special emphasis on the training and administration of valid and reliable knowledge-based and performance-based tests.

ADED 5432  HUMAN RELATIONS IN TRAINING AND 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 5453  PSYCHOLOGY OF ADULT DEVELOPMENT
This course is designed to trace the development of the individual from early adulthood through aging. The developmental process to be considered will include young adulthood, marriage and the family, work leisure and retirement, aging and theories of aging.

ADED 5531  NEEDS ANALYSIS
This course represents a study focusing on the process of analyzing performance problems at organizational, process and worker levels to provide a composite picture of those requiring training and the nature and content of that training. 
Prereq: OCTE 4122 and OCTE 4853 or OCTE 4882

ADED 5541  OCCUPATIONAL TRAINING ANALYSIS
This course focuses on the process of analyzing workplace requirements and identifying the knowledge, skills and attitudes necessary for new and existing duties within occupations. 
Prereq: OCTE 3023 or History and Philosophy of Vocational Education and OCTE 4853 or equivalent.

ADED 5823  NATURE AND CHARACTERISTICS OF THE ADULT LEARNER
This course will familiarize the student with adult learning theories and the implications for the education of adults. Emphasis in the course contents is based on the application of the psychological, sociological and physiological characteristics of adult learner, the implementation and integration of the 4MAT system of instruction, the changing trends and demographics in society and the effects on adult learning, and the life-cycles and stages of adult learners as they relate to the learning environment.

ADED 5883  ADVANCED INSTRUCTIONAL METHODS
This course is designed to prepare the trainer to function as a group facilitator, topics will cover the design and facilitation of case studies, role plays, discussions, simulations, games opening exercises, and various experimental learning methods.

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 IN ADULT EDUCATION

ADED-ART

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

ADED 5920  DIRECTED READING IN ADULT EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

ADED 5930  INDIVIDUAL STUDY IN ADULT EDUCATION
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. 
Prereq: an undergraduate major or equivalent in the subject matter area to be studied and permission of the Department Chair and Graduate Advisor.

ADED 5940  SPECIAL TOPICS IN ADULT EDUCATION
Credit varies from 1 to 4 hours. Directed intensive study on selected problems or special topics. 
Prereq: an undergraduate major or equivalent in the subject matter area to be studied and permission of the Department head and director of graduate studies.

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 from 1 to 2 hours; 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.

ART (ART)
Department of Arts, College of Arts, Media & Design

ART 5000  WORKSHOP IN ART
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 toward a master’s degree.

ART 5023  ENAMELING
This course offers study of materials and techniques used in 2-D and 3-D enameled metal design. 
Prereq: six hours of art or design.

ART 5033  FURNITURE AS ART
This course integrates sculptural concepts with the design of functional furniture. Methods and materials used facilitate the harmonious balance between utility and art. 
Prereq: ART 3053.

ART 5043  PHOTO COMPOSITION
Graduate Course Descriptions

**ART**

This course explores the social, religious, and political influences on the creation of the arts of Africa. Arts from Western Nigeria to Guinea are discussed in relation to stylistic and functional similarities and differences.

**ART 5233 CENTRAL AFRICAN ART**

This course explores the social, religious, and political influences on the creation of the arts of Africa. Arts from Central Africa from Eastern Nigeria to South Africa are discussed in relation to stylistic and functional similarities and differences.

**ART 5253 GLASS DESIGN II**

This course offers graduate-level study of advanced flat glass fabrication techniques. Students develop skill in the appropriate choice of materials, and apply art elements and principles to create original designs in glass. **Prereq:** ART 5143, plus six hours of art.

**ART 5263 CERAMICS IV**

This course is for the graduate student with advanced experience and skill level in ceramic medium. Students research and experiment with clay formulation, glazes, firing techniques and ceramic forms. **Prereq:** ART 2703, 2803, and 3173.

**ART 5273 RELIEF PRINTMAKING**

This course offers in-depth graduate advanced study in relief printmaking techniques, including woodcut, linoleum block, collagraph and monotype processes.

**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. **Prereq:** ART 1112, 3153, 4303, or permission of instructor.

**ART 5313 SURVEY OF ART HISTORY II**

Important movements and leaders in art since 1650 A.D.; their influence upon modern life; forces and trends in the contemporary field. **Prereq:** ART 1112.

**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 5353 THE BUSINESS OF ART**

Students will develop business skills needed to successfully market artwork, i.e. grant writing, record-keeping, developing a portfolio and resume, exhibiting, targeting art markets, and understanding tax requirements. **Prereq:** three hours of art.

**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 5373 INTRO TO ART THERAPY**

This course will provide a general overview of the foundation and theories of art therapy and is a required course for art therapy registration and certification. **Prereq:** three hours of art and three hours of psychology.

**ART 5053 NATIVE AMERICAN ART**

This course covers the evolution of Native American art from pre-history roots through contemporary expression.

**ART 5063 MURAL PAINTING I**

This course offers graduate study in the design and painting of large murals. Students participate in onsite planning, equipment preparation and community involvement. **Prereq:** Instructor permission.

**ART 5103 ETCHING**

A study in the intaglio process exploring such basic techniques as etching, drypoint, aquatint, inkless intaglio, and mezzotint. **Prereq:** ART 3603.

**ART 5113 LITHOGRAPHY**

A course in the basic planographic printing techniques. Printing surfaces such as stone, metal, and paper will be explored. **Prereq:** ART 3603.

**ART 5123 SERIGRAPHY**

The course explores advanced techniques in the screen printing (silk screen) process of printmaking. **Prereq:** ART 1063.

**ART 5133 DIGITAL PRINTMAKING**

This course is a study of the use of the computer and other related hardware in the creation of fine art multiples. Each student will create limited edition prints using the computer and various computer printers. **Prereq:** ART 1042 and 1082.

**ART 5143 GLASS DESIGN I**

This course offers graduate-level study of basic flat glass fabrication techniques. Students develop skill in the appropriate choice of materials, and apply art elements and principles to create original designs in glass. **Prereq:** graduate standing plus six hours of art.

**ART 5152 WATERCOLOR**

This course offers graduate study in advanced watercolor techniques. Students will create original paintings in watercolor, acrylics, or any waterbased paint medium. **Prereq:** Art 1023, 1082 & 2202.

**ART 5173 CERAMICS III**

This course is for the graduate student with advanced experience and skill level in ceramic medium. Students research and experiment with clay formulation, glazes, firing techniques and ceramic forms. **Prereq:** ART 2703, 2803.

**ART 5203 ADVANCED PAINTING**

This course offers advanced graduate study in a wide range of painting techniques. Students will create original painting in oil, acrylic, and/or water based medium. **Prereq:** ART 3603 Painting II or permission of instructor.

**ART 5213 SCULPTURE III**

The individual expressions and techniques in various three-dimensional materials such as wood, metal, stone, and other plastic materials. **Prereq:** ART 3053.

**ART 5223 WEST AFRICAN ART**

This course offers the study of photography as an art form. Students develop their visual perception using the camera, explore creative darkroom techniques, participate in an exhibition, and produce a portfolio of photographs. **Prereq:** JOUR 1123, three hours of art.

**ART 5073 ETCHING**

A course in the basic planographic printing techniques. Printing surfaces such as stone, metal, and paper will be explored. **Prereq:** ART 3603.

**ART 5103 LITHOGRAPHY**

A course in the basic planographic printing techniques. Printing surfaces such as stone, metal, and paper will be explored. **Prereq:** ART 3603.

**ART 5113 SERIGRAPHY**

The course explores advanced techniques in the screen printing (silk screen) process of printmaking. **Prereq:** ART 1063.

**ART 5133 DIGITAL PRINTMAKING**

This course is a study of the use of the computer and other related hardware in the creation of fine art multiples. Each student will create limited edition prints using the computer and various computer printers. **Prereq:** ART 1042 and 1082.

**ART 5143 GLASS DESIGN I**

This course offers graduate-level study of basic flat glass fabrication techniques. Students develop skill in the appropriate choice of materials, and apply art elements and principles to create original designs in glass. **Prereq:** graduate standing plus six hours of art.

**ART 5152 WATERCOLOR**

This course offers graduate study in advanced watercolor techniques. Students will create original paintings in watercolor, acrylics, or any waterbased paint medium. **Prereq:** Art 1023, 1082 & 2202.

**ART 5173 CERAMICS III**

This course is for the graduate student with advanced experience and skill level in ceramic medium. Students research and experiment with clay formulation, glazes, firing techniques and ceramic forms. **Prereq:** ART 2703, 2803.

**ART 5203 ADVANCED PAINTING**

This course offers advanced graduate study in a wide range of painting techniques. Students will create original painting in oil, acrylic, and/or water based medium. **Prereq:** ART 3603 Painting II or permission of instructor.

**ART 5213 SCULPTURE III**

The individual expressions and techniques in various three-dimensional materials such as wood, metal, stone, and other plastic materials. **Prereq:** ART 3053.
## Graduate Course Descriptions

### ART 5383  METHODS FOR TEACHING ART HISTORY
This course offers the graduate student methods of art history curriculum development. A variety of media is explored in research, documentation and presentation.

### ART 5403  ADVANCED VISUAL ARTS FOR ELEMENTARY SCHOOLS
Development of sequential skills and concepts in the visual arts for elementary schools; survey factors of discipline-based art education (production, criticism, aesthetics, and history.) **Prereq:** ART 3803 or permission of the instructor.

### ART 5413  ADVANCED JEWELRY
Advanced study in jewelry using the casting processes. The development and production of jewelry with this method. **Prereq:** ART 3463 or written permission of instructor.

### ART 5423  FIBER ARTS
This course offers Graduate level study of a wide range of fiberart techniques, such as papermaking, feltmaking, and book arts. Students create original, expressive 2-D and 3-D designs in fiber medium. **Prereq:** ART 3414 or instructor permission.

### ART 5433  WEAVING
With instructor-direction, students will develop a plan for advanced research and saturation in weaving design. Options will be chosen according to student’s interest, such as weaving for interior design, application to teaching multicultural design, or for personal expression. **Prereq:** ART 3403 Weaving or permission of instructor.

### ART 5443  PHOTO: SPECIAL PROJECTS
This course offers graduate study in a wide range of photographic techniques. Students will create original photographs with both silver and non-silver processes. **Prereq:** three hours of photography including darkroom experience.

### ART 5463  MEDIA IN ART THERAPY
This course is designed to acquaint the student with the therapeutic qualities of media as used in clinical and art therapeutic applications. In addition, technical and safe uses of the media will be discussed. Strong emphasis will be placed on defining art therapy as process. Individual research in art therapy techniques and media is required. **Prereq:** three hours of art and three hours of psychology or sociology.

### ART 5473  ART THERAPY AS PROCESS AND PRODUCT
This course will provide an overview of the foundation and theories of art therapy and is a required course for art therapy registration and certification. The course concentrates on the therapeutic benefits of the creative process and product. **Prereq:** three hours of art and three hours of psychology.

### ART 5503  CERAMIC TECHNIQUES AND DEVELOPMENTS
An extended study of creative experiences in a variety of materials and methods used in the teaching of ceramics in art education. **Prereq:** ART 4653.

### ART 5522  ART PRESENTATION AND DISPLAY
This class will explore a variety of basic art presentation and display techniques. Each student will learn about and experience various ways to present a variety of artwork. Techniques in mounting, matting, shrink wrapping, laminating, and framing will be covered. Each student will actually use these and other techniques to protect, preserve and display works of art. Each student must supply a variety of artwork for presentation preparation.

### ART 5553  PHOTOGRAPHING ART
This course offers graduate study in photographing works of art. Topics include cameras, film and lighting of 2-D and 3-D works of art. A variety of film types are used to ensure faithful color and exposure accuracy. **Prereq:** Written permission.

### ART 5623  ADVANCED FORM AND SURFACE DESIGN
This course is an in-depth study of specialized techniques used in three-dimensional form or two-dimensional surface design offered by guest artists. The integration of studio visual art specializations and design concepts is emphasized. **Prereq:** Six hours of art or permission of instructor.

### ART 5653  CERAMICS II

### ART 5703  ART IN AMERICA
A progress study of the cultural arts in America by surveying architecture, sculpture, painting, minor arts, and artists from America’s beginning history throughout the years of growing American art. **Prereq:** ART 1112.

### ART 5833  EXHIBIT PRESENTATION
The goal of this course is to integrate exhibit design and project management into a practical medium with which the creative artist, historian, interior designer, marketer, and media specialist can impact their chosen audience. Exhibit design and its related presentation forms thereby become a vital medium for audience delivery and offer a unified context for these interdisciplinary skills to be developed into collaborative end product.

### ART 5842  ELEMENTARY ART EDUCATION METHODS
Students develop a sequential discipline-based Art Education curriculum for elementary schools. **(for art majors)**

### ART 5853  SECONDARY ART EDUCATION METHODS
Curriculum materials for secondary school art will be developed and sequentially organized. Presentation techniques are practiced. **(for art majors)**

### ART 5900  PRACTICUM IN ART
Credit varies from 1 to 4 hours. Subject matter will vary within the department’s field of study.

### ART 5910  SEMINAR IN ART
Credit varies from 1 to 4 hours. Directed intensive study on selected problems of special topics. **Prereq:** an under-
### Graduate Course Descriptions

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<tr>
<th>Course Code</th>
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<th>Prerequisite</th>
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<tbody>
<tr>
<td>ART 5920</td>
<td>DIRECTED READING IN ART</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.</td>
</tr>
<tr>
<td>ART 5930</td>
<td>INDIVIDUAL STUDY IN ART</td>
<td>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. <strong>Prereq:</strong> an undergraduate major or equivalent in the subject matter area to be studied, and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>ART 5940</td>
<td>SPECIAL TOPICS IN ART</td>
<td>Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.</td>
</tr>
<tr>
<td>ART 5950</td>
<td>INTERNSHIP IN ART</td>
<td>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.</td>
</tr>
<tr>
<td>ART 5960</td>
<td>INSTITUTE IN ART</td>
<td>Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.</td>
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<tr>
<td>ART 5970</td>
<td>STUDY TOUR IN ART</td>
<td>Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.</td>
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<tr>
<td>ART 5990</td>
<td>THESIS IN ART</td>
<td>Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.</td>
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<tr>
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<tbody>
<tr>
<td>BIO 5000</td>
<td>WORKSHOP IN BIOLOGY</td>
<td>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 toward a master’s degree.</td>
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**BIOLOGY (BIO)**

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<tr>
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<th>Prerequisite</th>
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<tbody>
<tr>
<td>BIO 5012</td>
<td>INTRODUCTION TO BIOLOGICAL RESEARCH</td>
<td>The course is designed to guide the beginning graduate student through elementary experimental design, data collection and analysis, and the subsequent writing of a scientific research proposal. In addition, the course will provide an introduction to the biological literature and to bibliographic search strategies for finding relevant, published information in a library. <strong>Prereq:</strong> Minimum 18 hours of biological science.</td>
</tr>
<tr>
<td>BIO 5024</td>
<td>FRESHWATER BIOLOGY</td>
<td>A study of the origins and varieties of the world’s Freshwater Biota and the special adaptations relative to that environment. The physical and chemical parameters of the freshwater environment will also be considered. Extensive field work required. Concurrent enrollment in Biology 5024L is required. <strong>Prereq:</strong> 12 hours of Biology.</td>
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**ART-BIO**

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<tr>
<th>Course Code</th>
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<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>BIO 5024L</td>
<td>FRESHWATER BIOLOGY LAB</td>
<td>Lab for BIO 5024 Freshwater Biology. <strong>Prereq:</strong> 12 hours of Biology including BIO 1304.</td>
</tr>
<tr>
<td>BIO 5103</td>
<td>HISTORY OF BIOLOGY</td>
<td>The origin and growth of biological thought and the people associated with it. The philosophy and development of scientific thought resulting in changing paradigm leading to the scientific method and modern experimental science. <strong>Prereq:</strong> 12 hours of biological science including 3 hours of courses numbered in the 3000 level or above.</td>
</tr>
<tr>
<td>BIO 5113</td>
<td>BIOGEOGRAPHY</td>
<td>Study of the distribution of organisms, both past and present. Includes concepts from ecology, evolution, and systematics. <strong>Prereq:</strong> 12 hours in Biology, including a course in Ecology and permission of instructor.</td>
</tr>
<tr>
<td>BIO 5124</td>
<td>HERPETOLOGY</td>
<td>Amphibians and reptiles: their evaluation, morphology, taxonomy, ecology, physiology and behavior. Concurrent enrollment in BIO 5124L is required. <strong>Prereq:</strong> 15 hours of Biology Science &amp; BIO 2263.</td>
</tr>
<tr>
<td>BIO 5124L</td>
<td>HERPETOLOGY LAB</td>
<td>Lab for BIO 5124 Herpetology. <strong>Prereq:</strong> 12 hours of Biology and BIO 1404.</td>
</tr>
<tr>
<td>BIO 5204</td>
<td>PLANT ECOLOGY</td>
<td>Principles of vegetation analysis and the interaction of plants with their environment. Characterization of important biomes (grassland, deciduous forest, etc.) with investigations at the population, community and ecosystem levels. BIO 5204L, which includes field work, must be taken concurrently. <strong>Prereq:</strong> 12 hours of Biological Science, including BIO 2263.</td>
</tr>
<tr>
<td>BIO 5204L</td>
<td>PLANT ECOLOGY LAB</td>
<td>Lab for BIO 5204 Plant Ecology. <strong>Prereq:</strong> 12 hours of Biology including BIO 2263.</td>
</tr>
<tr>
<td>BIO 5254</td>
<td>ANIMAL BEHAVIOR</td>
<td>A study of the genetic, physiological, ecological, and evolutionary basis of behavior with emphasis on adaptation of behavioral processes. Methods of studying behavior are considered. BIO 5254L, which includes field work, must be taken concurrently. <strong>Prereq:</strong> 12 hours of Biological Science, including BIO 1404.</td>
</tr>
<tr>
<td>BIO 5254L</td>
<td>ANIMAL BEHAVIOR LAB</td>
<td>Lab for BIO 5254 Animal Behavior Lab. <strong>Prereq:</strong> 12 hours of Biological Science including BIO 1404.</td>
</tr>
<tr>
<td>BIO 5264</td>
<td>MAMMALOGY</td>
<td>Mammals: their taxonomy, anatomy, ecology, distribution, behavior and natural history. The course consists of three hours lecture and three hours laboratory per week. BIO 5264L, which includes field work, must be taken concurrently. <strong>Prereq:</strong> 12 hours of Biology including BIO 1404.</td>
</tr>
<tr>
<td>BIO 5264L</td>
<td>MAMMALOGY LAB</td>
<td>Lab for BIO 5264 Animal Behavior Lab. <strong>Prereq:</strong> 12 hours of Biological Science including BIO 1404.</td>
</tr>
<tr>
<td>BIO 5294</td>
<td>PLANT TAXONOMY</td>
<td>Classification of the vascular plants with emphasis on distribution and identification of local flowering plants. BIO 5294L, which includes field work, must be taken concurrently. <strong>Prereq:</strong> 12 hours of Biology including BIO 1304.</td>
</tr>
<tr>
<td>BIO 5294L</td>
<td>PLANT TAXONOMY LAB</td>
<td><strong>Prereq:</strong> 12 hours of Biology including BIO 1304.</td>
</tr>
</tbody>
</table>
Graduate Course Descriptions

Lab for BIO 5294.

BIO 5303 PHYSIOLOGY & BIOCHEMICAL ADAPTATIONS
A comprehensive study of the physiological and biochemical strategies which help organisms adapt to various environmental conditions. Prereq: One course in Organic Chemistry and 12 hours of Biological Science to include at least one advanced class in Cell Physiology, Cell Biology or Biochemistry.

BIO 5324 MARINE BIOLOGY
A survey of marine life, with emphasis on community relationships, ecological factors in different habitats, and their influence on the distributions, abundance, and adaptations of marine organisms. BIO 5324L, which includes a coastal field trip, is required and must be taken concurrently. Prereq: 12 hours Biology, including BIO 2263.

BIO 5324L MARINE BIOLOGY LAB
Lab for BIO 5324

BIO 5334 ENVIRONMENTAL MICROBIOLOGY
This course is an advanced study in microbiology dealing with the use of microorganisms to mineralize, detoxify and degrade environmental contaminants. This course will study the mechanisms and processes by which microorganisms are involved in the treatment of sewage, identification of waterborne microbial diseases and the process of water purification which prevents the spread of these diseases. The course will investigate the remediation of heavy metal contaminated soils. Laboratory exercises will enable students to become familiar with and to use standard tests for the analysis of water and wastewater and the biodegradation of environmental pollutants. Prereq: Animal Biology (BIO 1404); Plant Biology (BIO 1304); Introductory Microbiology (BIO 2314); Environmental Biology (2263); General Chemistry I (CHEM 1103); General Chemistry II (CHEM 1223); Organic Chemistry I (CHEM 3303).

BIO 5354 PLANT ANATOMY
Advanced studies of vascular plant cell and tissue types will be pursued. Anatomical studies will focus on structure and function of developing and mature roots, stems, and leaves, as well as introductory studies of flowers and seeds. BIO 5354L must be taken concurrently. Prereq: BIO 1304, BIO 2203, and BIO 2314.

BIO 5354L PLANT ANATOMY LAB
Lab for BIO 5354.

BIO 5443 MICROTECHNIQUE
The course is designed to introduce the graduate student to manual and machine techniques of tissue processing and staining procedures. Microphotography, phase and fluorescence microscopy are also included. Prereq: Minimum 12 hours of biological science. BIO 5443L to be taken concurrently.

BIO 5443L MICROTECHNIQUE LAB
Lab for BIO 5443

BIO 5454 CELL PHYSIOLOGY
A detailed analysis of cell structures and functions. Includes study of the molecular composition, structure, and function of cell organelles and a physical-chemical analysis of cell activities. BIO 5454L must be taken concurrently. Prereq: 12 hours of Biological Science and Organic Chemistry.

BIO 5454L CELL PHYSIOLOGY LAB
Lab for BIO 5454.

BIO 5504 MYCOLOGY
A general survey covering the morphology, physiology, ecology, reproduction, and economic importance of fungi, including those of medical importance, with laboratory experience in their collection, cultivation, and identification. BIO 5504L must be taken concurrently. Prereq: 12 hours Biology including BIO 1304 and BIO 2314.

BIO 5504L MYCOLOGY LAB
Lab for BIO 5504.

BIO 5524 AQUATIC ENTOMOLOGY
A study of the taxonomy, morphology, ecology, and evolution of aquatic insects occurring in North America. Laboratory will emphasize collection and identification of aquatic insects. A collection is required. Concurrent enrollment in BIO 5524L is required. Prereq: 15 hrs of Biological Science including BIO 1404.

BIO 5524L AQUATIC ENTOMOLOGY LAB
Special lab for BIO 5524.

BIO 5603 ADVANCED MAMMALIAN PHYSIOLOGY I
A comprehensive survey of basic physiological properties of living systems, detailed study of the nervous, muscular, and cardiovascular systems, with human emphasis. Prereq: 12 hours of Animal Biology, including BIO 2604, CHEM 3303 or CHEM 3403; Physics strongly recommended.

BIO 5613 ADVANCED MAMMALIAN PHYSIOLOGY II
Mammalian metabolism, an integrated and detailed study of the function of respiratory, digestive, excretory, reproductive and endocrine systems of mammals including human physiology. Prereq: 12 hours of Animal Biology including BIO 2604 and CHEM 3303 or CHEM 3403, Physics strongly recommended.

BIO 5703 EVOLUTION
The theory and processes of evolution with emphasis on the importance of these as unifying concepts of biology. Both historical and modern concepts are incorporated. Prereq: 12 hours of Biological Science to include BIO 2233 or equivalent. Ecological background recommended.

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. Prereq: 15 hours of Biology and MATH 1513.

BIO 5743 MOLECULAR AND POPULATION GENETICS
An advance study of the major topics in modern genetic theory and research including behavior, developmental, molecular, and immunogenetics. A background in genetics and chemistry is required. Prereq: BIO 2233 or BIO 3304 and CHEM 3303.

BIO 5763 BIOLOGY OF CANCER
### Graduate Course Descriptions

This course is designed to develop students' understanding of the structure, function and reproduction of normal cells and how cancer cells are different. Classification and naming of neoplasms (tumors and cancers) and spread of cancer (invasion and metastasis) will be discussed. Physical, chemical and biological agents responsible for transformation and mechanisms of oncogenesis will be examined. The clinical aspects of cancer will be characterized and methods of treatment will be included. **Prereq:** 15 hours of Biology including BIO 2314.

**BIO 5843 VIROLOGY**

A detailed study of the nature and structure on host cells. Also included will be the viral genetics, molecular cloning, pathogenesis of viral diseases, mechanism of host resistance and a survey of tumor and cancer causing viruses. Concurrent enrollment in BIO 5843L is required. **Prereq:** 12 hours of Biology including BIO 2314.

**BIO 5843L VIROLOGY LAB**

Special lab for BIO 5843.

**BIO 5853 GENERAL METHODS OF TEACHING SCIENCE**

An advanced course in the special problems associated with the teaching of secondary science. The development of an appropriate philosophy and a variety of teaching methods will be stressed. **Prereq:** Admission to teacher education is required plus 24 hours of Science courses.

**BIO 5853L GENERAL METHODS OF TEACHING SCIENCE LAB**

Lab for BIO 5853.

**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 IN BIOLOGY**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**BIO 5920 DIRECTED READING IN BIOLOGY**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**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 SPECIAL TOPICS IN BIOLOGY**

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the Department's field of study.

**BIO 5950 INSTITUTE IN BIOLOGY**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**BIO 5960 STUDY TOUR**

Credit will vary from 1 to 2 hours. 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.

### BUSINESS ADMINISTRATION (BADM)

**Department of General Business, College of Business Administration**

**BADM 5000 WORKSHOP IN BUSINESS ADMINISTRATION**

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 toward a master’s degree.

**BADM 5900 PRACTICUM IN BUSINESS ADMINISTRATION**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**BADM 5910 SEMINAR IN BUSINESS ADMINISTRATION**

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

**BADM 5920 DIRECTED READING IN BUSINESS ADMINISTRATION**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**BADM 5930 INDIVIDUAL STUDY IN BUSINESS ADMINISTRATION**

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 5940 SPECIAL TOPICS IN BUSINESS ADMINISTRATION**

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the Departments field of study.

**BADM 5960 INSTITUTE IN BUSINESS ADMINISTRATION**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.

**BADM 5970 STUDY TOUR IN BUSINESS ADMINISTRATION**

Credit will vary from 1 to 2 hours. 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 General Business, College of Business Administration**

**BCOM 5000 WORKSHOP IN BUSINESS COMMUNICATIONS**

Within the department’s field of study.
Graduate Course Descriptions

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 toward 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. **Prereq:** 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. **Prereq:** Completed all prerequisites for the MBA Program.

**BCOM 5900  PRACTICUM IN BUSINESS COMMUNICATION**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**BCOM 5910  SEMINAR IN BUSINESS COMMUNICATION**
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

**BCOM 5920  DIRECTED READING IN BUSINESS COMMUNICATIONS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**BCOM 5930  INDIVIDUAL STUDY IN BUSINESS COMMUNICATIONS**
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  SEMINAR IN BUSINESS COMMUNICATIONS**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the Department’s field of study.

**BCOM 5950  INTERNSHIP IN BUSINESS COMMUNICATIONS**
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 IN BUSINESS COMMUNICATIONS**
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 from 1 to 2 hours. 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.

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**CHEMISTRY (CHEM)**
Department of Chemistry

**CHEM 5000  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. No more than 2 hours of workshop may be counted toward a master’s degree.

**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. **Prereq:** CHEM 3403; CHEM 3323 and BIO 2203 are strongly recommended.

**CHEM 5253  FORENSIC SCIENCE ANALYSIS & LAB**
This course provides an introduction to classical and modern forensic science laboratory techniques with emphasis on the theory of modern analytical instrumentation and application to solving forensic problems. Techniques covered include latent fingerprints, textile fibers, poisons and drugs, tool mark and firearm characterization, DNA analysis, and quantitative determination of alcohol and drugs in blood. Concurrent enrollment in CHEM 5253L is required. **Prereq:** CHEM 3403; CHEM 3454 Fundamentals of Instrumental Analysis and Laboratory.

**CHEM 5253L  FORENSIC SCIENCE ANALYSIS & LAB**
Laboratory to accompany CHEM 5253. Concurrent enrollment in CHEM 5253 is required.

**CHEM 5454  ADVANCED INSTRUMENTAL ANALYSIS**
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. **Prereq:** CHEM 3454; CHEM 3602 or concurrent enrollment.

**CHEM 5454L  ADVANCED INSTRUMENTAL ANALYSIS & LAB**
The laboratory course to accompany CHEM 5454. Concurrent enrollment in CHEM 5454 is required.

**CHEM 5603  ADVANCED ORGANIC CHEMISTRY**
A continuation of CHEM 3303-CHEM 3323 sequence, intended primarily to provide a core graduate-level course in organic chemistry. Emphasis is on theoretical organic chemistry, especially mechanisms of organic reactions and the evidence that supports them, including molecular orbital theory, stereochemistry, kinetics, and thermodynamics. **Prereq:** CHEM
### Graduate Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3323</td>
<td>and CHEM 3503 or concurrent enrollment.</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CHEM 5900</td>
<td>PRACTICUM IN CHEMISTRY</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5910</td>
<td>SEMINAR IN CHEMISTRY</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5920</td>
<td>DIRECTED READING IN CHEMISTRY</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5930</td>
<td>INDIVIDUAL STUDY IN CHEMISTRY</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5940</td>
<td>SPECIAL TOPICS IN CHEMISTRY</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5950</td>
<td>INTERNSHIP IN CHEMISTRY</td>
<td>1-8</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5960</td>
<td>INSTITUTE IN CHEMISTRY</td>
<td>1-8</td>
<td>Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHEM 5970</td>
<td>STUDY TOUR</td>
<td>1-6</td>
<td>Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
</tr>
<tr>
<td>CHEM 5990</td>
<td>THESIS</td>
<td>1-6</td>
<td>Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
</tr>
</tbody>
</table>

### CHINESE (CHIN)

Department of Modern Languages, Literatures, and Cultural Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 5000</td>
<td>WORKSHOP IN CHINESE</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study. Naturally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted toward a master’s degree.</td>
</tr>
<tr>
<td>CHIN 5900</td>
<td>PRACTICUM IN CHINESE</td>
<td>1-4</td>
<td>An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>CHIN 5910</td>
<td>SEMINAR IN CHINESE</td>
<td>1-4</td>
<td>Directed intensive study on selected problems or special topics. Prereq: An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>CHIN 5920</td>
<td>DIRECTED READING IN CHINESE</td>
<td>1-4</td>
<td>Directed intensive study on a temporary basis. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHIN 5930</td>
<td>INDIVIDUAL STUDY IN CHINESE</td>
<td>1-4</td>
<td>Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports. Prereq: An undergraduate major or equivalent in the subject area to be studied and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>CHIN 5940</td>
<td>SPECIAL TOPICS IN CHINESE</td>
<td>1-4</td>
<td>Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>CHIN 5950</td>
<td>INTERNSHIP IN CHINESE</td>
<td>1-8</td>
<td>Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
</tr>
<tr>
<td>CHIN 5960</td>
<td>INSTITUTE IN CHINESE</td>
<td>1-8</td>
<td>Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
</tr>
</tbody>
</table>

### COMMUNICATION (COMM)

Department of Communication, College of Liberal Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 5000</td>
<td>WORKSHOP IN COMMUNICATION</td>
<td>1-4</td>
<td>Subject matter will vary within the department’s field of study. Naturally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted toward a master’s degree.</td>
</tr>
<tr>
<td>COMM 5900</td>
<td>PRACTICUM IN COMMUNICATION</td>
<td>1-4</td>
<td>An undergraduate major or equivalent in the subject area to be studied and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>COMM 5910</td>
<td>SEMINAR IN COMMUNICATION</td>
<td>1-4</td>
<td>Directed intensive study on selected problems or special topics. Prereq: An undergraduate major or equivalent in the subject area to be studied and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>COMM 5920</td>
<td>DIRECTED READING IN COMMUNICATION</td>
<td>1-4</td>
<td>Directed intensive study on a temporary basis. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>COMM 5930</td>
<td>INDIVIDUAL STUDY IN COMMUNICATION</td>
<td>1-4</td>
<td>Directed intensive study on definite problems or special subjects, based on approved outlines or plans; conferences, oral and written reports. Prereq: An undergraduate major or equivalent in the subject area to be studied and permission of the Department Chair and Graduate Advisor.</td>
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<tr>
<td>COMM 5940</td>
<td>SPECIAL TOPICS IN COMMUNICATION</td>
<td>1-4</td>
<td>Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.</td>
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<tr>
<td>COMM 5950</td>
<td>INTERNSHIP IN COMMUNICATION</td>
<td>1-8</td>
<td>Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
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<tr>
<td>COMM 5960</td>
<td>INSTITUTE IN COMMUNICATION</td>
<td>1-8</td>
<td>Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
</tr>
</tbody>
</table>
Graduate Course Descriptions

Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.

**COMM 5970 STUDY TOUR**
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**COMM 5990 THESIS**
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, College of Mathematics and Science

**CMSC 5000 WORKSHOP IN COMPUTER SCIENCE**
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 toward a master’s degree.

**CMSC 5023 PROGRAMMING LANGUAGES**
This course studies the underlying concepts of programming languages. Languages designed for various application are surveyed. The grammars, syntax, and semantics are investigated. **Prereq:** CMSC 3613 or 5013; MATH 2323; admission to the graduate program.

**CMSC 5033 CONCEPTS OF ARTIFICIAL INTELLIGENCE**
A study of the basic concepts and techniques of artificial intelligence or intelligent systems. 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. **Prereq:** CMSC 3613 or CMSC 5013.

**CMSC 5043 APPLICATION OF DATABASE MANAGEMENT SYSTEMS**
The integration of theory and practice in the use and comparison of current database systems, and the access of those systems, including hierarchical and relational, through utilization of host and data manipulation languages. **Prereq:** CMSC 1713 and CMSC 3613 or 5013.

**CMSC 5053 OPERATING SYSTEMS**
A study of operating system concepts including concurrent processes, mutual exclusion techniques, deadlock, real and virtual memory management, job scheduling, auxiliary storage management, network operating systems and multiprocessing. **Prereq:** CMSC 3613 or 5013.

**CMSC 5063 NETWORKS**
Networks is a study of multi-processing environments, which includes the theory governing layered network architectures, the ISO-OSI communications interface, packet transmission, addressing and routing, and the use of communications software. **Prereq:** CMSC 3613.

**CMSC 5073 TRANSLATOR DESIGN**
Students are introduced to compiler writing, grammars, finite automata, top-down (LL) and bottom-up (LR) parsing, semantic analysis, error detection, optimization, and code generation. **Prereq:** CMSC 1513 and 5023.

**CMSC 5113 STRUCTURED DESIGN**
Elements of a discipline of program and systems design. Emphasis on the architecture of programs and systems rather than programming. **Prereq:** CMSC 2105, 2173 or permission of instructor.

**CMSC 5123 ADVANCED MICROCOMPUTER APPLICATIONS**
Survey of the installation and programming of microcomputers using microcomputer based operating systems; 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**
Concepts, principles, implementation practices, and guidelines for the selection and installation of data base systems. Choosing a dictionary, the relational approach, the hierarchical approach, and the network approach. Security and integrity comparison. **Prereq:** CMSC 4003 or CMSC 5043.

**CMSC 5243 ARTIFICIAL INTELLIGENCE**
Theoretical foundations and applications of artificial intelligence including expert systems and shells, production systems, rules, frames, object oriented programming, reasoning with uncertain beliefs, neural nets and corresponding machine architectures, natural language problems, image recognition and the dynamics of robotic motion. **Prereq:** CMSC 4133 or 5033.

**CMSC 5283 SOFTWARE ENGINEERING**
Engineering and management disciplines applied to computer software projects. Emphasis on project organization and management; system and software life cycle; software cost estimation; software development environments; requirements engineering; testing, verification and validation; configuration management; software quality assurance; and risk analysis.

**CMSC 5900 PRACTICUM IN COMPUTER SCIENCE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**CMSC 5910 SEMINAR IN COMPUTER SCIENCE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**CMSC 5920 DIRECTED READING IN COMPUTER SCIENCE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. **Prereq:** Instructor permission.

**CMSC 5930 INDIVIDUAL STUDY IN COMPUTER SCIENCE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. **Prereq:** Permission of instructor.

**CMSC 5940 SPECIAL TOPICS IN COMPUTER SCIENCE**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary...
within the department’s field of study.

**CMSC 5960  INSTITUTE IN COMPUTER SCIENCE**
Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study. **Prereq:** Permission of instructor.

**CMSC 5970  STUDY TOUR**
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**CMSC 5980  GRADUATE PROJECT IN COMPUTER SCIENCE**
A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. **Prereq:** 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. **Prereq:** Permission of instructor.

**CREATIVE WRITING (CSDY)**
Department of English, College of Liberal Arts

**CSDY 5000  WORKSHOP IN CREATIVE STUDIES**
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 toward a master’s degree.

**CSDY 5103  THE DETECTIVE STORY**
This course will undertake to study detective stories seriously by placing them in three contexts: a historical context, in which the rise and decline of the detective story and its transformation into the novel of mystery or suspense will be considered; a morphological context, which will focus on the ludic structure common to all detective stories; and a critical context, in which several attempts to treat the detective story with self-conscious artistry will be analyzed and judged. The thrust of the course is designed to raise ever more persistent questions about what does and does not constitute seriousness in literary fiction by considering the detective story functionally, in terms of the human desires it satisfies.

**CSDY 5113  PUBLICATION PROCEDURES: EDITING & MARKETING**
The course provides the graduate student with practical knowledge of the publishing world, including editorial techniques and proofreading, marketing book-length fiction projects and obtaining representation, concurrent enrollment, or completion of novel writing course.

**CSDY 5203  RUSSIAN LITERATURE IN TRANSLATION: 19TH CENTURY WRITERS TECHNIQUE/THEORY**
A three-hour seminar for graduate students focusing on discussion and analysis of the 19th Century major Russian writers. This course fulfills either a period or translation requirement. No reading knowledge of Russian required.

**CSDY 5213  LITERARY IMPRESSIONISM: FORD, CONRAD, AND JAMES**
This is a study of the literature which takes its name from the impressionists (first exhibited in 1874) and which reached an apogee in the 1890s. Literary impressionism is outlined in part in the writing of Ford Maddox Ford and describes a variety of recurring literary themes and styles employed in the novels of all three writers. Some of the features of this approach are a jumbled or nonlinear narrative chronology; an unreliable narrator; an interest in special visual detail, often a kaleidoscopic effect of visual images; a skeptical or ambivalent attitude towards the hero; and an interest in the possible conflict between ethics and art, resulting in a moral evasiveness. All three writers are major figures in the modernist movement and can be seen as ushering in the modern novel.

**CSDY 5223  GREEK DRAMA IN TRANSLATION**
A study of the major tragedies by Aeschylus, Sophocles, and Euripides as well as some of the works by Aristophanes and Menander. This course gives the student of literature as well as the writer in training a better grasp on the literary and cultural significance of these masterpieces.

**CSDY 5233  FITZGERALD, HEMINGWAY AND THE EXPATRIATES: WRITING**
This course focuses on discussion and analysis of the jazz age and the expatriate writers. This course assumes a high level of competence in writing. The student will explore themes and techniques common to writers of this period and assess the historical impact.

**CSDY 5243  FORM & THEORIES OF PRE-SHAKESPEAREAN LITERATURE**
This course analyzes traditional English texts from the point of view of the creativity of character and their relation to narrative. This course is an intensive study of different literary forms and their effects on the reader.

**CSDY 5253  ADVANCED GENRE STUDIES IN CREATIVE WRITING**
A conference course for the creative studies students and other special students who have chosen creative writing as their focus in a degree pattern. The student will continue work throughout the semester on a single fiction or nonfiction project begun in CSDY 3593. Another 100 polished pages output required.

**CSDY 5263  CHARACTER & CULTURE IN THE 18TH CENTURY**
This course examines representative texts in 18th century English literature which show how human identity was conceived and presented through various literary structures, with special emphasis on the novel and the drama. The growth of the reading public and the rise of the middle class, the invention of biographical writing, the exploration of friendships between men and women, and the dialectic between the individual and his society are key issues to be covered in this course.

**CSDY 5273  WRITING THE NOVEL**
### Graduate Course Descriptions

This is a continuation of CSDY 3593 and 4253, aiding the student in the final structuring and composition of the writing project. A third 100 pages of polished copy is required, and student work is analyzed against exemplary materials for publication submissions.

**CSDY 5313  WRITING MYSTERY/ADVENTURE**
The student will read popular and classic Mystery/Adventure stories and write creative papers in both genres. The student will research and compare historical and contemporary works and prepare a scholarly paper analyzing additional works of a contemporary author. **Prereq:** CSDY 3573.

**CSDY 5353  CREATING THE POEM**
Students will learn to analyze poetry in terms of tone, persona, literal and figurative imagery, arrangement, symbolism, allusion, myth and archetype, sound, and devices used to achieve the desired effect, poetic forms, and various styles. Students will write poetry in many different forms and styles.

**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 5433  20TH CENTURY SPANISH LITERATURE IN TRANSLATION**
Students will read 20th century works translated from Spanish into English by such writers as Unamuno, Lorca, Jimenez, Borges, Mistral, Neruda, Garcia Marques, Paz, Allende, Anaya, and others. The interchange of influences between Old World and New will be explored.

**CSDY 5443  WRITING THE CONTEMPORARY NOVEL**
The student will read popular and bestselling novels and write the first chapter of a novel. The student will read two contemporary novels and prepare two analytical reports. **Prereq:** CSDY 3573.

**CSDY 5513  PLAYWRITING**
The student will read popular play scripts, view live play productions, and write creatively in the dramatic genre. The graduate student will view additional live play productions and produce 50% more creative manuscript pages. **Prereq:** CSDY 3573.

**CSDY 5523  SCREENWRITING**
The student will read contemporary screenplays, view popular movies, and write creatively in the screenplay genre. **Prereq:** CSDY 3573.

**CSDY 5533  WRITING FOR TELEVISION**
The student will read popular television scripts, view and analyze television shows, and write creatively in the television genre. **Prereq:** CSDY 3573.

**CSDY 5823  LITERARY CRITICISM FOR CREATIVE WRITERS**

Literary Criticism for Creative Writers is an advanced course in the historical and contemporary theories of criticism. The student will examine poetry, fiction, and drama and respond using both scholarly and creative methodologies.

**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 IN CREATIVE STUDIES**
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

**CSDY 5920  DIRECTED READ IN CREATIVE STUDIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**CSDY 5930  INDIVIDUAL STUDY IN CREATIVE STUDIES**
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  SPECIAL TOPICS IN CREATIVE STUDIES**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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 from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**CSDY 5990  PRACTICUM IN CREATIVE STUDIES**
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

**CSDY 5990  THESIS**
Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.

**CSDY-CJ**

**CJ 5000 WORKSHOP IN CRIMINAL JUSTICE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Normally involves lecture, films, guest speakers, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted toward a master’s degree.

**CJ 5013 JUVENILE JUSTICE SYSTEM 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 POLICE COMMUNITY RELATIONS**
Examination of factors contributing to friction or cooperation...
between law enforcement personnel and the community
with emphasis on minority groups, political pressures and
cultural problems. Community organizations and social
responsibility of law enforcement.

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 perspec-
tive. **Prereq:** POL 3613.

CJ 5053 CRIMINAL JUSTICE SYSTEM MANAGE-
MENT AND ADMINISTRATION
The criminal justice process in America will be viewed in
depth from a systems approach. Areas to be covered are:
(1) criminal justice as a manageable system, (2) systems
as an approach to management, (3) systems management
modeling, (4) criminal justice organizational consideration,
and (5) making the criminal justice model go systemati-
cally.

CJ 5063 INNOVATIONS 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, imple-
mentation, 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 juris-
prudence and the enactments of criminal offense statutes.
The elements of and defenses to inchoate offenses, against
persons, crimes against persons, crimes against morality, al-
cohol/drug offenses, white collar/organized crime, offenses
against public health, offense against public order and of-
fenses against justice and public order will be reviewed in
detail as well as other miscellaneous crimes, statutes and
important appellate court cases. **Prereq:** POL 3613.

CJ 5093 POLICE SYSTEM MANAGEMENT AND
ADMINISTRATION
The police process in America will be viewed from a sys-
tems 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 FOR CRIMINAL
JUSTICE
This course is primarily designed to acquaint students with
basic research methodology and statistics peculiar to the
field of criminal justice. It will be a tool which can be used
to study problems in applied research.

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 SYSTEM MANAGE-
MENT AND 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 cor-
rectional 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. **Prereq:**
graduate standing.

CJ 5203 DANGEROUS AND VIOLENT OF-
FENDERS
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. **Prereq:** 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, legis-
lation and enforcement, sociology and psychology of drug
abuse prevention/treatment will be included.

CJ 5313 ETHICS AND TESTIMONY
This course provides a comprehensive review of ethics in
the criminal justice system and specific ethical dilemmas that
confront forensics’ specialists in the investigation, collection
and preservation of evidence and presentation of testimony
and physical evidence in a court of law. Topics include ethics,
arrrest, search and seizure, evidentiary standards, methods
of evidence presentation and evidentiary standards and pro-
cedures for courtroom testimony. This course will conclude
with an in-depth analysis of the ethical responsibilities of the
forensics’ specialist as an expert witness in courts of law.
**Prereq:** CJ 3643 and POL 5323.

CJ 5323 VICTIMOLOGY
This course is designed to provide a complete and integrated
picture of victimization, including recent information as well as classical works on the subject. Additional emphasis will be placed on victim services.

**CJ 5413 DELINQUENT CHILDREN LAW: PROCESS AND PROCEDURE**

This course is a comprehensive survey of the evolution of the laws, agencies, institutions, courts and treatment for juvenile delinquents in Oklahoma and the United States, including the terminology unique to juvenile legal system and the processes and legal procedures of juvenile courts in Oklahoma and the United States. **Prereq:** CJ 4413, 4423, SOC 4573.

**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 CORRECTION SYSTEMS**

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. **Prereq:** 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. **Prereq:** CJ 4413, 4423, 4433, SOC 4573.

**CJ 5713 COMMUNITY-BASED CORRECTIONS**

This course 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. **Prereq:** CJ 4703.

**CJ 5723 CRITICAL ISSUES IN CORRECTIONS**

This course is designed to give the student a comprehensive survey of the controversial issues in Oklahoma and American corrections, including but not limited to: rehabilitation v. Punishment, shaming, electronic monitoring, boot camps, privatization, community supervision v. Incarceration, drug offender incarceration v. Treatment, white collar offenders, death penalty for adults and juveniles, coed institutions, incarceration of pregnant women, and other issues in the field of corrections. **Prereq:** CJ 4703.

**CJ 5813 OKLAHOMA ADULT CORRECTIONS 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.

**CJ-DES**

**CJ 5823 INTERNATIONAL CORRECTIONS SYSTEM**

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. **Prereq:** CJ 4703, 4713, 4723, 4813.

**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 IN CRIMINAL JUSTICE**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**CJ 5920 DIRECTED READINGS IN CRIMINAL JUSTICE**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**CJ 5930 INDIVIDUAL STUDY IN CRIMINAL JUSTICE**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Assignments are completed on an individual basis covering material specified by the instructor.

**CJ 5940 SPECIAL TOPICS IN CRIMINAL JUSTICE**

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

**CJ 5950 INTERNSHIP IN CRIMINAL JUSTICE**

Credit will vary from 1 to 6 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. Supervised practical experience gained in a professional field by an advanced or graduate student.

**CJ 5970 STUDY TOUR**

Credit will vary from 1 to 6 hours. 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**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.

**DANCE (DANC)**

Department of Theatre, Dance, and Media Arts, College of Arts, Media & Design

**DANC 5910 SEMINAR IN DANCE**

Credit will vary from 1 to 4 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)
Department of Design, College of Arts, Media & Design

DES 5000 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. No more than 2 hours of workshop may be counted toward a master’s degree.

DES 5113 HISTORY OF GRAPHIC DESIGN
This lecture course is a survey of the development of visual communication, design movements, historical styles, and designers. The student will present a major project in historical research to the Design Graduate Committee for review, guidance, and evaluation. Prereq: permission of instructor.

DES 5211 SUMMER SEMINAR
This course provides advanced study in a variety of special subjects in design. The course content will vary in each seminar. The student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated for credit. Prereq: permission of instructor.

DES 5233 PSYCHOLOGY OF DESIGN
This course provides advanced study in the application of psychology, creativity thinking, and problem solving to develop effective design solutions. The student will present research, design projects, and presentations to the Design Graduate Committee for review, guidance, and evaluation. Prereq: permission of instructor.

DES 5253 DESIGN IN GLOBAL CULTURES
This course provides advanced study of design principles, philosophies, materials, and production methods in ethnic cultures. The student will present research and projects to the Design Graduate Committee for review, guidance, and evaluation. Prereq: permission of instructor.

DES 5273 BUSINESS OF DESIGN
This course provides advanced study in establishing a design office, including naming, contracts, registrations, soliciting clients, invoicing, and promotion. The student will present a business plan and samples of promotions to the Design Graduate Committee for review, guidance, and evaluation. Prereq: permission of instructor.

DES 5293 DESIGN STUDIO
This course provides advanced 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. This course may be repeated for credit. Prereq: permission of instructor.

DES 5333 PRINT DESIGN STUDIO
This course provides advanced study in the application of principles, philosophies, materials, and production of print 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. Prereq: permission of instructor.

DES 5353 PACKAGE DESIGN STUDIO
This course provides advanced study in the application of principles, philosophies, materials, and production of package 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. Prereq: permission of instructor.

DES 5373 ADVERTISING DESIGN STUDIO
This course provides advanced study in the application of principles, philosophies, materials, and production of advertising 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. Prereq: permission of instructor.

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 for credit. Prereq: permission of instructor.

DES 5433 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 for credit. Prereq: permission of instructor.

DES 5463 NEW MEDIA DESIGN STUDIO
This course provides advanced study in the application of principles, philosophies, materials, and production of new media 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. Prereq: 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. Prereq: permission of instructor.

DES 5513 HISTORY OF INTERIOR DESIGN I
This course is a survey of the development of history of Interior Design from antiquity to the Renaissance including design movements, styles, furniture, and designers. The student will present a major project in historical research to the Design Graduate Committee for review, guidance, and evaluation. Prereq: permission of instructor.

DES 5523 HISTORY INTERIOR DESIGN II
This course is a survey of the development of the history of
### Graduate Course Descriptions

**DES 5553  HISTORY OF INTERIOR DESIGN III**
This course is a survey of the development of the history of Interior Design from the Bauhaus to the present including design movements, styles, furniture, and designers. The student will present a major project in historical research to the Design Graduate Committee for review, guidance, and evaluation. **Prereq:** permission of instructor.

**DES 5613  LIGHTING DESIGN STUDIO**
This course provides advanced study in the application of principles, philosophies, materials, and production of lighting 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. **Prereq:** permission of instructor.

**DES 5633  COMPUTER DRAFTING STUDIO**
This course provides advanced study in the application of principles, philosophies, materials, and production of computer drafting. This student will present projects and solutions to the Design Graduate Committee for review, guidance, and evaluation. This course may be repeated for credit. **Prereq:** permission of instructor.

**DES 5653  RESIDENTIAL DESIGN STUDIO**
This course provides advanced study in the application of principles, philosophies, materials, and production of residential interior 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. **Prereq:** permission of instructor.

**DES 5713  COMMERCIAL DESIGN STUDIO**
This course provides advanced study in the application of principles, philosophies, materials, and production of commercial interior 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. **Prereq:** permission of instructor.

**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. **Prereq:** permission of instructor.

**DES 5753  ENVIRONMENTAL DESIGN STUDIO**
This course provides advanced study in the application of principles, philosophies, materials, and production of environmental 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. **Prereq:** permission of instructor.

**DES 5990  PRACTICUM IN DESIGN**
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. **Prereq:** permission of instructor.

**DES 5990  STUDY TOUR IN DESIGN**
Credit will vary from 1 to 2 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 from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**DES 5983  THESIS PROJECT PROPOSAL**
This course provides advanced study in the development of a capstone thesis research project in design. The student will propose, prepare, write, and make an oral presentation to the Design Graduate Committee for review, guidance, and evaluation. **Prereq:** admission to the program and written permission of instructor.

**DES 5990  THESIS IN DESIGN**
Credit will vary from 1 to 9 hours. Subject matter will vary within the department’s field of study.

**EDUCATIONAL ADMINISTRATION (EADM)**

**EADM 5000  WORKSHOP IN EDUCATIONAL ADMINISTRATION**
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.
Graduate Course Descriptions

EADM 5353 COMPUTER APPLICATIONS AND TECHNOLOGY FOR SCHOOL ADMINISTRATORS
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. Prereq: Nine to 11 hours in Fundamentals of Administration, Curriculum, Research and Advanced Psychology and computer literacy.

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. Prereq: EADM 5543.

EADM 5453 INTERPERSONAL RELATIONSHIPS 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. Prereq: Admission to Education Administration and EADM 5543.

EADM 5543 FOUNDATION OF PUBLIC SCHOOL ADMINISTRATION
Basic principles and practices in modern school administration.

EADM 5553 LEGAL ASPECTS OF 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. Prereq: EADM 5543.

EADM 5583 PUBLIC SCHOOL FINANCE
Sources of school finance, control of expenditures, general principles of financial administration. Prereq: Admission to Education Administration and EADM 5543.

EADM 5623 SUPERVISION AND EVALUATION OF INSTRUCTION
The course will prepare school leaders to supervise and evaluate instructional programs, personnel, an curricular programs in public schools. Additionally, this course will examine the better practices in classroom supervision, the perspectives for supervision, and the foundations for supervisory leadership. Prereq: 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. Prereq: EADM 5543 and admission to Education Administration.

EADM-ECED

EADM 5683 CURRICULUM LEADERSHIP
The course will emphasize the supervision and evaluation of curriculum in the 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. Prereq: EADM 5543, 5013 and admission to the School Administration Program.

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) Prereq: All courses 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 IN EDUCATIONAL ADMINISTRATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

EADM 5920 DIRECTED READING IN EDUCATIONAL ADMINISTRATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

EADM 5930 INDIVIDUAL STUDY IN EDUCATIONAL ADMINISTRATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

EADM 5940 SPECIAL TOPICS IN EDUCATIONAL ADMINISTRATION
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

EADM 5950 INTERNSHIP IN EDUCATIONAL ADMINISTRATION
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 IN EDUCATIONAL ADMINISTRATION
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)
Graduate Course Descriptions

Department of Curriculum and Instruction, College of Education

ECED 5000 WORKSHOP IN EARLY CHILDHOOD 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. No more than 2 hours of workshop may be counted toward a master’s degree.

ECED 5042 PARENT EDUCATION I
(Cognitive and moral development, birth to age five.) This course addresses an in-depth study of the cognitive and moral development of the child from birth to age five. 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 promote language, reading, and MATH readiness, using readily available materials.

ECED 5062 PARENT EDUCATION II
(Affective development, birth to age five) An analysis of the social, emotional, and physical characteristics of the child; birth through four. Techniques of guidance and of behavior management appropriate to developmental needs of this age group is the primary focus of this course.

ECED 5073 LANGUAGE DEVELOPMENT AND EMERGENT LITERACY
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 5102 PARENT EDUCATION IV
(Affective development, age five through age eight) An analysis of the social, emotional, and physical characteristics of the child five through eight. Techniques of guidance and of behavior management appropriate to developmental needs of this age group is the primary focus of this course.

ECED 5133 SCIENCE & SOCIAL STUDIES IN EARLY CHILDHOOD
The application of cognitive development and the constructivist theories in the selection of appropriate methods, materials, and experiences for preschool and primary-age children in science and social studies.

ECED 5153 DEVELOPMENTAL ASSESSMENT

ECED

ISSUES IN EARLY CHILDHOOD
This course is a study in assessment issues currently impacting preschool-primary aged children with an emphasis on the purposes of assessment and appropriate assessment strategies which teachers/caregivers may utilize.

ECED 5223 EDUCATIONAL PRACTICES OF CONSTRUCTIVIST TEACHERS
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 IN PRACTICE
A study of the complexities surrounding the implementation of multicultural education and the implications for every educator who is committed to drawing out the inherent potential that all children bring to school. Strategies for the development of individuals who can work cooperatively across cultural, linguistic, and racial boundaries with the goal of producing critical, creative thinkers who are knowledgeable about and sensitive to other cultural perspectives is the focus. This course affirms the central role that individual educators play in nurturing and shaping the lives and identities of our youth and encourages interactions with students that are respectful, intellectually challenging and empowering.

ECED 5313 CREATIVE ARTS, MUSIC & MOVEMENT
A study of developmentally appropriate experiences for young children in creative visual art, crafts, dramatic arts, music, rhythm, movement, and perceptual motor development.

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 relationships with both parents and the community. Prereq: Admission to Teacher Education.

ECED 5433 THEORETICAL PERSPECTIVES OF LEARNING AND 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 PROFESSIONALISM AND ADVOCACY IN EARLY CHILDHOOD
As an introduction to the graduate program in early childhood education, this course examines the professional roles of the early childhood educator. Particular emphasis is placed upon advocacy responsibilities of the educator while serving young children and their families through the exploration of the discipline’s current issues and trends. Students are introduced to a variety of assignments that will be required in their graduate program and an individualized degree plan is devised. This course is to be taken within the initial six hours of graduate study.

ECED 5900 PRACTICUM IN EARLY CHILDHOOD EDUCATION
Graduate Course Descriptions

CREDIT MAY VARY FROM 1 TO 4 HOURS. SUBJECT MATTER WILL VARY WITHIN THE DEPARTMENT’S FIELD OF STUDY.

**ECED 5910 SEMINAR IN EARLY CHILDHOOD EDUCATION**
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

**ECED 5920 DIRECTED READING IN EARLY CHILDHOOD EDUCATION**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ECED 5930 INDIVIDUAL STUDY IN EARLY CHILDHOOD 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.

**ECED 5940 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

**ECED 5950 INTERNSHIP IN EARLY CHILDHOOD 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.

**ECED 5960 INSTITUTE IN EARLY CHILDHOOD EDUCATION**
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 from 1 to 2 hours; subject matter will vary within the department’s field of study.

**ECED 5980 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, College of Business Administration

**ECON 5000 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**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. **Prereq:** 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. **Prereq:** 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. **Prereq:** Completed all prerequisites for the MBA Program.

**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. **Prereq:** 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. **Prereq:** 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. **Prereq:** 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. **Prereq:** Completed all prerequisites for the MBA Program.

**ECON 5363 MARKET STRUCTURE, REGULATION AND 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. **Prereq:** Completed all prerequisites for the MBA Program.

**ECON 5373 HEALTH CARE ECONOMICS**
A comprehensive examination of health care markets through 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. **Prereq:** 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
Graduate Course Descriptions

topics on the balance of payments and the international adjustment mechanism. Prereq: 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. Prereq: 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. Prereq: 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. Prereq: 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. Prereq: 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 economics in transition. Prereq: Completed all prerequisites for the MBA Program.

**ECON 5893 APPLIED RESEARCH AND ANALYSIS TOOLS**
Provides the applied knowledge, advanced technical and library skills, and hands-on experience necessary for performing economic research and analysis. Prereq: 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 IN ECONOMICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ECON 5920 DIRECTED READING IN ECONOMICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**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 SPECIAL TOPICS IN ECONOMICS**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the Departments 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 from 1 to 2 hours. 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, College of Education

**ELED 5000 WORKSHOP IN ELEMENTARY 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**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. Prereq: ELED 4213 Teaching Language Arts in Elementary/Middle School Grades.

**ELED 5253 INQUIRY SCIENCE FOR ELEMENTARY TEACHERS**
A study of inquiry methods for teaching children life, earth-space and physical science concepts. Emphasis is placed on national science and certification standards. Prereq: valid elementary certificate or admitted to candidacy.

**ELED 5323 TEACHING MATHEMATICS IN THE PRESCHOOL & PRIMARY GRADES**
The selection and organization of subject matter is designed to facilitate the teacher’s ability to meet the needs of preschool and primary children. Child development and mathematics curriculum will be studied including mathematics readiness, diagnosis, and placement. Activities for developing concepts in topics such as pre-number, number, geometry, measurement, and the collection and organization of data will be explored. Prereq: Admission to Teacher Education.

**ELED 5333 TEACHING MATHEMATICS IN THE**
## Graduate Course Descriptions

### 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. **Prereq:** ELED 5323 and Admission to Teacher Education.

**ELED 5463 SOCIAL STUDIES IN THE ELEMENTARY SCHOOL**

Materials and procedures of teaching social studies in the elementary grades; function of social studies in the elementary school; consideration of techniques of teaching social studies. **Prereq:** Admission to Teacher Education.

### ELED-ENGR

**EDUCATION**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ELED 5930 INDIVIDUAL STUDY IN ELEMENTARY EDUCATION**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ELED 5940 SPECIAL TOPICS IN ELEMENTARY EDUCATION**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

**ELED 5950 INTERNSHIP IN ELEMENTARY 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.

**ELED 5960 INSTITUTE IN ELEMENTARY EDUCATION**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ELED 5970 STUDY TOUR**
Credit will vary from 1 to 2 hours; subject matter will vary within the department’s field of study.

**ELED 5990 THESIS**
Credit will vary from 1 to 2 hours; subject matter will vary within the department’s field of study.

**ENGINEERING (ENGR)**
Department of Physics & Engineering, College of Mathematics & Science

**ENGR 5000 WORKSHOP IN ENGINEERING**
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 toward a master’s degree.

**ENGR 5023 THERMAL SCIENCE**
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. **Prereq:** ENGR 3203, 3443, and MATH 3103

**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. **Prereq:** Graduate standing and permission of instructor.

**ENGR 5443 FLUID DYNAMICS**
The fundamental equations and solution methods of fluid dynamics are presented with particular attention to solving the Navier-Stokes equation. Topics covered will include mass conservation, momentum and energy equations for
## Graduate Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 5940</td>
<td>SPECIAL TOPICS IN ENGINEERING</td>
<td>1-4</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5910</td>
<td>SEMINAR IN ENGINEERING</td>
<td>1-4</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5920</td>
<td>DIRECTED READING IN ENGINEERING</td>
<td>1-4</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5930</td>
<td>INDIVIDUAL STUDY IN ENGINEERING</td>
<td>1-4</td>
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<td>ENGR 5940</td>
<td>SPECIAL TOPICS IN ENGINEERING</td>
<td>1-4</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5960</td>
<td>INSTITUTE IN ENGINEERING</td>
<td>1-4</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5970</td>
<td>STUDY TOUR</td>
<td>1-2</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5980</td>
<td>GRADUATE PROJECT IN ENGINEERING</td>
<td>1-6</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>ENGR 5990</td>
<td>THESIS</td>
<td>1-6</td>
<td>Permission of instructor</td>
</tr>
</tbody>
</table>

**ENGR 5000 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**ENG 5013 BIBLIOGRAPHY & METHODS OF RESEARCH IN ENGLISH**
Provides both theory and practice of advanced scholarly research in literary studies.

**ENG 5023 ADVANCED TECHNICAL WRITING**
This course provides comprehensive guidance to skills in clear, direct, and effective writing in each specific professional area. Students will become familiar with reports, proposals, partition, or mechanism descriptions, process descriptions, instructions, specifications, resumes, letters, memoranda and other technical communication formats.

**ENG 5033 ISSUES IN TECHNICAL WRITING**
This course offers an intensive study of a specific topic within the discipline of technical writing. Content will vary within the limits of the discipline.

**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 MODERN DRAMA**
A one-semester course in world drama starting with Ibsen, the late 19th Century father of modern drama, and proceeding to several contemporary plays. The course focuses on major world dramatists/movements, covering about 24 plays.

**ENG 5113 STUDIES IN LITERARY CRITICISM**
This course features advanced studies in literary theory with emphasis on 20th century criticism and practice in the various modes of literary analysis.

**ENG 5133 19TH CENTURY BRITISH NOVEL**
This course provides 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 POETRY AND PROSE**
A study of major British literary figures during the Victorian period (1832-1901). This course is designed to introduce students to the use of Victorian periodicals and contemporary modern schools of literary criticism and their terminology and aims.

**ENG 5173 ROMANTIC POETRY**
A study of the major poets of the Romantic period from the 1780s to the 1820s, the course is designed to introduce students to the major literary criticism on the Romantic period as it increases their understanding of the Romantic poets’ ideals and artistic themes.
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>ENG 5183</td>
<td>RESTORATION &amp; EARLY 18TH CENTURY BRITISH LITERATURE</td>
<td>This course concentrates on the poetry of Dryden and Pope as representative of themes, types, and verse forms of the Restoration and early 18th century. Approaches will be largely historical, topical, and analytical. This course provides a con-centered knowledge of themes, techniques, and traditions in the major poetry of Dryden and Pope, acquired by the student through advanced research and techniques of scholarship.</td>
</tr>
<tr>
<td>ENG 5233</td>
<td>MODERN AMERICAN POETRY</td>
<td>This 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.</td>
</tr>
<tr>
<td>ENG 5243</td>
<td>CHAUCER</td>
<td>This course examines the Canterbury Tales and Troilus and Criseyde. The text is in Middle English, but a translation is allowed to aid the students in understanding Chaucer’s language.</td>
</tr>
<tr>
<td>ENG 5253</td>
<td>AMERICAN NOVEL II</td>
<td>This course surveys the evolution of the American novel from 1900 to WWII. The course examines a range of literary styles and analyzes those characteristics of realism, naturalism, and modernism that appear in a representative sampling of important texts.</td>
</tr>
<tr>
<td>ENG 5273</td>
<td>AMERICAN FICTION SINCE WORLD WAR II</td>
<td>This course examines the development of post-modern American fiction. Beginning with two seminal prewar novels and contrasting later, radical texts with more conservative ones, the course charts the major characteristics of postwar fiction and sets it within the historical and aesthetic context of American literature.</td>
</tr>
<tr>
<td>ENG 5283</td>
<td>ENGLISH GRAMMAR AND USAGE</td>
<td>This 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 analyses are supplemented by workbook exercises and readings in scholarly journals.</td>
</tr>
<tr>
<td>ENG 5343</td>
<td>LINGUISTICS</td>
<td>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.</td>
</tr>
<tr>
<td>ENG 5353</td>
<td>ISSUES IN LINGUISTICS</td>
<td>This course offers an intensive study of a specific topic within the discipline of linguistics. Content varies within the limits of discipline.</td>
</tr>
<tr>
<td>ENG 5383</td>
<td>MODERN AMERICAN POETRY</td>
<td>This 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.</td>
</tr>
<tr>
<td>ENG 5413</td>
<td>TESL GRAMMAR</td>
<td>The course allows students to study the practical application of grammatical theories in English as a Second Language (ESL) instruction through both primary and secondary research.</td>
</tr>
<tr>
<td>ENG 5423</td>
<td>A LITERARY STUDY OF THE BIBLE</td>
<td>A study of the Bible as literature provides an overview of the various current critical approaches (historical, anthropological, archetypal, linguistic) to a study of the Bible. The forms of the Biblical text are studied 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.</td>
</tr>
</tbody>
</table>
This course provides a broad cultural background study of Native Americans and their literature in the United States from pre-contact times to the present, with critical study of works by American Indian authors, of Native American mythology and folklore, and of the integration of related music, visual art, and tribal histories. This course includes traditional, transitional, and modern works.

**ENG 5473  ADVANCED COMPOSITION**

A study of the principles of effective writing and their application 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 17th century poet, puritan, and revolutionary. Through close critical readings of Milton’s work, the class examines such Miltonic themes as loss, guilt, patience, choice, trial, free will, the relationship between men and women, and their relationship with God. The class studies 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 analyzes Milton in his various roles of farsighted politician, profound theologian, and visionary poet.

**ENG 5503  16TH CENTURY BRITISH LITERATURE**

The course provides a survey of 16th 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 provides 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.

**ENG 5523  MAJOR FIGURES AND MOVEMENTS IN LITERATURE**

This course offers an intensive study of specific authors and literary movements. Special attention is paid to the literary, historical, and critical contexts of the authors or movements selected for study. Content will vary within the department’s field of study.

**ENG 5533  METHODS OF TEACHING COMPOSITION FOR TEACHING ASSISTANTS**

This course provides teaching assistants with the training necessary to teach first-year composition. Students focus on the pedagogical concerns involved in teaching the writing process and 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. **Prereq:** Students must be accepted into the Teaching Assistant program. Permission required.

**ENG 5553  THE HISTORY OF RHETORIC FROM THE CLASSICAL AGE**

This course surveys the history of rhetoric in western Europe from the 5th century B.C. through the 17th century. The first half of the course covers the major theories and pedagogics of classical rhetoric, from Homer through Quintilian, and the second half covers rhetoric in the Middle Ages and the Renaissance.

**ENG 5563  MODERN BRITISH POETRY**

This course examines the works of the major British poets from before World War I to the contemporary era.

**ENG 5573  20TH CENTURY BRITISH NOVEL SINCE WW II**

A study of the major British novelists and their work from approximately 1940 to 1990. The course focuses on “postmodernism” as a major literary movement in England following World War II.

**ENG 5583  17TH CENTURY BRITISH LITERATURE**

This course is a survey of British literature in the 17th century. Prose writers include Browne, Burton, Donne, Walton, and others; novelists include Defoe and Aphra Behn; poets include Donne, Herbert, Marvell, Vaughan, Traherne. **Prereq:** 6 hours grammar and composition.

**ENG 5613  18TH CENTURY POETRY: POPE TO COWPER**

This course offers an in-depth survey of the works of the major poets of 18th century Britain, including Alexander Pope, Thomas Gray, Anna Laetitia Barbauld, and William Cowper. This course also provides an overview of the major genres and thematic concerns of the 18th century British poetry and traces the development of British cultural attitudes and esthetic sensibilities from the Augustan age to the beginning of the Romantic Period.

**ENG 5623  STUDIES IN SHAKESPEARE: THE TRAGEDIES**

This course offers an in-depth study of a selection of Shakespeare’s tragedies.

**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  CLASSIC YOUNG ADULT LITERATURE**

This course explores literature written specifically for or taught to an adolescent audience and focuses on texts written before 1980.

**ENG 5653  HISTORY OF RHETORIC: 1700 TO PRESENT**

This course surveys the history of rhetoric in western Europe from 1700 to the present. The first half of the course covers the rhetorics of The Enlightenment, 1700 to 1900, and the second half covers the rhetorics of the twentieth century.

**ENG 5663  THE BEAT MOVEMENT**

This course examines the works of many of the most significant writers of the Beat Movement in American literature of the 1950s and 1960s, including Allen Ginsberg, Jace Kerouac, and William Burroughs.

**ENG 5673  CONTEMPORARY YOUNG ADULT LITERATURE**
This course explores literature written specifically for or taught to an adolescent audience and will focus on texts written after 1980.

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 nobles, 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 present their research and scholarly projects in a class symposium.

ENG 5753 ISSUES IN RHETORIC
This course offers an intensive study of a specific topic within the canon of rhetoric. Content varies within the limits of the discipline.

ENG 5763 AMERICAN LITERATURE 1800 TO 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 TO 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 AND 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 5823 ETHNIC AMERICAN LITERATURE
This course focuses on the literature of African-Americans, Asian-Americans, Hispanic Americans, American Indians, and European Americans.

ENG 5843 THEORY & RESEARCH OF TEACHING SECONDARY ENGLISH
This methodology course links educational philosophy or theory to the formulation of units, behavioral objectives, and daily lesson planning relative to teaching grammar, composition, and literature in the secondary schools. Prereq: Bachelor in Education or admitted to a certification program.

ENG 5853 STUDIES IN SHAKESPEARE: THE COMEDIES
This course offers an in-depth study of six of Shakespeare’s comedies. In addition to studying the secondary criticism, students will correlate films/productions with their reading of the primary texts.

ENG 5863 SHAKESPEARE’S HISTORY PLAYS
This course provides extensive research into the plays and background of the early Kings of England through literary analysis.

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 IN ENGLISH
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

ENG 5920 DIRECTED READINGS IN ENGLISH
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

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 SPECIAL TOPICS IN ENGLISH
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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 from one to two hours. Subject matter will vary within the department’s field of study.

ENG 5990 SEMINAR IN ENGLISH
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

ENG-FMCD

FAMILY AND CHILD STUDIES (FMCD)
Department of Human Environmental Sciences, College of Education

FMCD 5000 WORKSHOP IN FAMILY AND CHILD STUDIES
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 toward a master’s degree.

FMCD 5011 PROFESSIONAL DEVELOPMENT IN FAMILY AND CHILD STUDIES
This course will explain professional opportunities, professional organizations, certifications, and job opportunities in Family and Child Studies. The graduate internship and portfolio assessment will also be addressed. Prereq: Majors only.
Graduate Course Descriptions

**FMCD 5023  THEORIES IN FAMILY AND CHILD STUDIES**
This graduate course is an organized study of major theoretical approaches to the study of family and child studies. **Prereq:** 9 hours behavioral science course work.

**FMCD 5043  FAMILY DYNAMICS**
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, conflicts resolution, diversity and strengths in families, and living in a global world. **Prereq:** 6 hours marriage, family, or related courses (psychology, sociology, etc.).

**FMCD 5363  ETHICS & ISSUES IN FAMILY STUDIES**
The study of 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  LIFE-SPAN HUMAN DEVELOPMENT IN CHILD & FAMILY STUDIES**
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. **Prereq:** Instructor permission.

**FMCD 5900  PRACTICUM IN FAMILY AND CHILD STUDIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FMCD 5910  SEMINAR IN FAMILY AND CHILD STUDIES**
Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. **Prereq:** An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

**FMCD 5920  DIRECTED READING IN FAMILY AND CHILD STUDIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FMCD 5930  INDIVIDUAL STUDY IN FAMILY AND CHILD STUDIES**
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. **Prereq:** An undergraduate major or equivalent in the subject area and permission of the Department Chair and Graduate Advisor.

**FMCD 5940  SPECIAL TOPICS IN FAMILY AND CHILD STUDIES**
Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. **Prereq:** An undergraduate minor or equivalent in the subject matter area and written permission of the Department Chair and Graduate Advisor.

**FMCD 5950  INTERNSHIP IN FAMILY AND CHILD STUDIES**
Credit will vary from 1 to 2 hours; subject matter will vary within the department’s field of study.

**FMCD 5960  INSTITUTE IN FAMILY AND CHILD STUDIES**
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 from 1 to 2 hours; 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.

**FACS-FMKT**

**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.

**FMCD 5960  INSTITUTE IN FAMILY AND CHILD STUDIES**
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 from 1 to 2 hours; 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.

**FAMILY AND CONSUMER SCIENCE EDUCATION (FACS)**
Department of Occupational And Technology Education, College of Education

**FACS 5000  WORKSHOP IN FAMILY AND CONSUMER SCIENCE**
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 toward a master’s degree.

**FACS 5112  HOME MANAGEMENT**
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 for 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 5572  CAREER EDUCATION**
This course is designed to provide the student with understanding of themselves relative to careers with special emphasis on the breadth of the field.

**FACS 5900  PRACTICUM IN FAMILY AND CONSUMER SCIENCES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FACS 5910  SEMINAR IN FAMILY AND CONSUMER SCIENCES**
Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. **Prereq:** An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.
# Graduate Course Descriptions

<table>
<thead>
<tr>
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</thead>
<tbody>
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<td>THESIS</td>
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<tr>
<td>FASHION MARKETING (FMKT)</td>
<td>Department of Human Environmental Sciences, College of Education</td>
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<tr>
<td>FMKT 5000</td>
<td>WORKSHOP IN FASHION MARKETING</td>
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<td>FMKT 5063</td>
<td>FASHION ACCESSORIES</td>
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<td>FMKT 5073</td>
<td>HERITAGE OF DRESS II</td>
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<td>FMKT 5900</td>
<td>PRACTICUM IN FASHION MARKETING</td>
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<td>FINANCE (FIN)</td>
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<tr>
<td>FIN 5000</td>
<td>WORKSHOP IN FINANCE</td>
<td>Completed all prerequisites for the MBA Program.</td>
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<tr>
<td>FIN 5203</td>
<td>CONTEMPORARY PROBLEMS IN FINANCE</td>
<td>Prereq: Completed all prerequisites for the MBA Program.</td>
</tr>
<tr>
<td>FIN 5223</td>
<td>INTERNATIONAL FINANCE</td>
<td>Prereq: FIN 5333</td>
</tr>
<tr>
<td>FIN 5233</td>
<td>INVESTMENT ANALYSIS</td>
<td>Prereq: FIN 5333</td>
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<tr>
<td>FIN 5243</td>
<td>MONEY AND CAPITAL MARKETS</td>
<td>Prereq: FIN 5333</td>
</tr>
<tr>
<td>FIN 5253</td>
<td>CAPITAL BUDGETING</td>
<td>Prereq: FIN 5333</td>
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<tr>
<td>FIN 5333</td>
<td>FINANCIAL ADMINISTRATION AND CONTROL</td>
<td>Prereq: Completed all prerequisites for the MBA Program.</td>
</tr>
<tr>
<td>FIN 5535</td>
<td>DERIVATIVE SECURITIES</td>
<td>Prereq: Completed all prerequisites for the MBA Program.</td>
</tr>
<tr>
<td>FIN 5413</td>
<td>FINANCIAL ANALYSIS WITH COMPUTERS</td>
<td>Prereq: Completed all prerequisites for the MBA Program.</td>
</tr>
<tr>
<td>FIN 5423</td>
<td>EMPLOYEE BENEFIT PLANNING</td>
<td>Prereq: Completed all prerequisites for the MBA Program.</td>
</tr>
<tr>
<td>FIN 5433</td>
<td>SEMINAR IN FINANCE</td>
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</table>
### Graduate Course Descriptions

**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, Literatures & Cultural Studies, College of Liberal Arts

**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 toward a master’s degree.

**FLGN 5103  LITERATURE OF THE FRENCH AND 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. Prereq: 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 IN FOREIGN LANGUAGE**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FLGN 5920  DIRECTED READING IN FOREIGN LANG**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FLGN 5930  INDIVIDUAL STUDY IN FOREIGN LANG**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FLGN 5940  SPECIAL TOPICS IN FOREIGN LANG**  
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 from 1 to 2 hours. 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.

**FORENSIC SCIENCE (FRSC)**  
Department of Chemistry, College of Mathematics and Science

**FRSC 5000  WORKSHOP IN FORENSIC SCIENCE**  
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 toward a master’s degree.

**FRSC 5102  PHYSICAL ASPECTS OF FORENSIC SCIENCE**  
Survey of the physical aspects of forensic science. Topics include operation and function of a forensic science laboratory, fingerprint identification, firearms and tool marks identification, document examination, trace evidence examination, and crime scene investigation. Prereq: One semester of college chemistry with laboratory.

**FRSC 5112  PHYSICAL ASPECTS OF FORENSIC SCIENCE LABORATORY**  
This is a laboratory course that utilizes advanced microscopic, chemical, and instrumental methods applied to crime scene samples. This course includes principles and methods of analysis of microscopic and macroscopic evidence such as glass, soil, paper, inks, and dyes, paints and other coating materials, explosives, fibers, drugs, and other materials classifiable as trace evidence. Prereq: CHEM 2104 and FRSC 5102.

**FRSC 5143  CRIME SCENE INVESTIGATION AND RECONSTRUCTION**  
This course covers techniques used in crime scene processing and the integration of all forensic disciplines used in an investigation. A formal process which reconstructs crime scenes and which will withstand courtroom challenges will be developed. Topics include crime scene processing, integration of forensic disciplines, investigation of a mock crime scene, event analysis, and event flow charting.

**FRSC 5202  BIOLOGICAL ASPECTS OF FORENSIC SCIENCE**  
This course introduces principles of forensic serology, pathology, and toxicology and provides basic knowledge of the application of techniques in these areas to forensic investigations, including identification of human remains, partial individualization of biological materials, and detection of drugs in biological matrices.

**FRSC 5213  DEATH INVESTIGATION**  
This course presents laboratory applications of forensic serology, pathology, and toxicology. Techniques of comparison and individualization of biological evidence will be utilized. The theory and practice of microscopic, biological, immunological, and chemical analysis will be applied to the examination of blood, seminal fluid, saliva, hair, tissues, botanical samples, and other materials of forensic interest. Prereq: BIO 3304, CHEM 3441, FRSC 5202.

**FRSC 5313  DEATH INVESTIGATION**  
This course is a comprehensive study of the multidisciplinary scientific principles and techniques which comprise the modern basis of human death investigation. Emphasis is placed on forensic pathology and the pathophysiology of
Graduate Course Descriptions

natural and unnatural death. Complementary techniques from physical anthropology, radiology and odontology are integrated through didactic presentations and case studies. **Prereq:** FRSC 5143 and 5202.

**FRSC 5323**  FORENSIC TOXICOLOGY AND LAB
This course is a comprehensive study of the scientific principles and techniques which comprise modern forensic toxicology. Emphasis is placed on modern instrumental techniques used in the toxicological analysis of biological samples. **Prereq:** CHEM 3454, FRSC 5102, or permission of instructor. Concurrent enrollment in FRSC 5323L is required.

**FRSC 5323L**  FORENSIC TOXICOLOGY LABORATORY
Laboratory to accompany FRSC 5323. **Prereq:** CHEM 3454, FRSC 5102 or written permission of instructor. Concurrent enrollment in FRSC 5323L is required.

**FRSC 5333**  ADVANCED FORENSIC SEROLOGY & LAB
This lecture and laboratory course presents advanced principles of serology with forensic laboratory applications. This course includes the theory and practice of techniques used to identify and individualize biological samples of forensic interest. **Prereq:** FRSC 5202. Concurrent enrollment in FRSC 5333L is required.

**FRSC 5333L**  ADVANCED FORENSIC SEROLOGY LAB
Laboratory to accompany FRSC 5333. **Prereq:** FRSC 5202. Concurrent enrollment in FRSC 5333L is required.

**FRSC 5413**  BLOODSTAIN PATTERN ANALYSIS I
This comprehensive course 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. Topics include the physical laws of fluids and the application of physics and trigonometry to bloodstain pattern analysis. Several practical exercises are used to assess the skill and knowledge of the student. **Prereq:** FRSC 5102 and 5202.

**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. **Prereq:** 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. **Prereq:** FRSC 5102.

**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 IN FORENSIC SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FRSC 5920**  DIRECTED READING IN FORENSIC SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**FRSC 5930**  INDIVIDUAL STUDY IN FORENSIC SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. **Prereq:** Permission of instructor.

**FRSC 5940**  SPECIAL TOPICS IN FORENSIC SCIENCE
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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. **Prereq:** Permission of instructor.

**FRSC 5970**  STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**FRSC 5980**  GRADUATE PROJECT IN FORENSIC SCIENCE
A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. **Prereq:** Permission of instructor.

**FRSC 5990**  THESIS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. **Prereq:** Permission of instructor.

**FRENCH (FRCH)**
Department of Modern Languages, Literatures, & Cultural Studies, College of Liberal Arts

**FRCH 5000**  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. No more than 2 hours of workshop may be counted toward a master’s degree.
Graduate Course Descriptions

FRCH 5203  READINGS IN FRENCH CULTURE & CIVILIZATION
Prereq: 18 hours of French or equivalent.
FRCH 5223  ADVANCED FRENCH GRAMMAR
Prereq: Eighteen hours of French or equivalent.
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. Prereq: 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 IN FRENCH
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Prereq: 18 hours of French or equivalent and permission of instructor. May be repeated for credit up to four hours with change in content.
FRCH 5920  DIRECTED READING IN FRENCH
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Prereq: 18 hours of French or equivalent.
FRCH 5930  INDIVIDUAL STUDY IN FRENCH LIT
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.
FRCH 5940  SPECIAL TOPICS IN FRENCH
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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 from 1 to 2 hours. 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.

FUNERAL SERVICE (FNRL)
Department of Funeral Service, College of Mathematics and Science

FNRL 5000  WORKSHOP IN FUNERAL SERVICE
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 toward a master’s degree.

FNRL-GERM

FNRL 5483  PSYCHOLOGY OF GRIEF
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 IN FUNERAL SERVICE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.
FNRL 5920  DIRECTED READING IN FUNERAL SERVICE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.
FNRL 5930  INDIVIDUAL STUDY IN FUNERAL SERVICE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.
FNRL 5940  SPECIAL TOPICS IN FUNERAL SERVICE
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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 from 1 to 2 hours. 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.

GENERAL SCIENCE (GENS)
Department of Physics and Engineering, College of Mathematics and Science

GENS 5000  WORKSHOP IN GENERAL SCIENCE
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 toward a master’s degree.
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.
GENS 5910  SEMINAR IN GENERAL SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.
GENS 5920  DIRECTED READING IN GENERAL SCIENCE
Graduate Course Descriptions

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GEO 5930 INDEPENDENT STUDY IN GENERAL SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GEO 5960 INSTITUTE IN GENERAL SCIENCE
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 from 1 to 2 hours. 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.

GEOGRAPHY (GEO)
Department of History And Geography, College of Liberal Arts

GEO 5000 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 speakers, etc. A grade of “P” or “F” will be given. No more than 2 hours of workshop may be counted toward a master’s degree.

GEO 5103 HISTORICAL GEOGRAPHY OF THE UNITED STATES
Geographical environment as it has modified and influenced the historical growth of the United States.

GEO 5503 GEOGRAPHY OF SOUTH AMERICA
An intensive study of the geography of South America.

GEO 5703 GEOGRAPHIC INFORMATION SYSTEMS FOR K-12 EDUCATION
This course introduces geographic information systems as tools for illustrating geographic concepts in K-12 education. The primary focus is on theoretical and practical knowledge of GIS software, as well as on applying that knowledge to standards-based education models.

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 IN GEOGRAPHY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GEO 5920 DIRECTED READING IN GEOGRAPHY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

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 SPECIAL TOPICS IN GEOGRAPHY
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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

GERM-GERO

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 from 1 to 2 hours. 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, Literatures & Cultural Studies, College of Liberal Arts

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 toward a master’s degree.

GERM 5203 READINGS IN GERMAN CULTURE AND CIVILIZATION
Prereq: Eighteen hours of German or equivalent.

GERM 5223 ADVANCED GERMAN GRAMMAR
Prereq: Eighteen hours of German or equivalent.

GERM 5313 JOHANN W. VON GOETHE: LIFE, LITERATURE AND LEGACY
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”. Prereq: 17 hours of German courses and graduate standing.

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 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. Prereq: Eighteen hours of German or equivalent, and permission of instructor.

GERM 5920 DIRECTED READING IN GERMAN
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Prereq: 18 hours of German or equivalent.

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. Prereq: Eighteen hours of German or equivalent, and permission of instructor.

GERM 5940 SPECIAL TOPICS IN GERMAN
Credit will vary from 1 to 4 hours. Introduces a new topic
Graduate Course Descriptions

GERO-GUID

Graduate Catalog, 2003-2004

or course on a temporary basis. Subject matter will vary within the department’s field of study.

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.

GERM 5970  STUDY TOUR
Credit will vary from 1 to 2 hours. 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 Adult Education, College of Education

GERO 5023  ORIENTATION TO GERONTOLOGY
The purpose of this course is to present a broad overview of the major concepts and issues relevant in the field of gerontology. These will include theories of aging, health and physiological aspects of aging, environmental design and retirement housing, leisure and recreation.

GERO 5213  HEALTH AND 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 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 fields, 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 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. Prereqv: Course should be taken during students last spring semester prior to graduation.

GERO 5900  PRACTICUM IN GERONTOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GERO 5910  SEMINAR IN GERONTOLOGY
Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prereqv: An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

GERO 5920  DIRECTED READING IN GERONTOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GERO 5930  INDIVIDUAL STUDY IN GERONTOLOGY
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. Prereqv: An undergraduate major or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

GERO 5940  SPECIAL TOPICS IN GERONTOLOGY
Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prereqv: An undergraduate minor or equivalent in the subject matter area and written permission of the Department Chair and Graduate Advisor.

GERO 5950  INTERNSHIP IN GERONTOLOGY
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 IN GERONTOLOGY
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)
Department of Advanced Professional Services, College of Education

GUID 5000 WORKSHOP IN GUIDANCE AND COUNSELING
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
Graduate Course Descriptions

GUID 5013 PRINCIPLES OF GUIDANCE AND COUNSELING
Principles, functions and practices basic to guidance on both elementary and secondary levels, professional, ethical and legal responsibilities; historical development and current trends and issues. This course includes the characteristics of successful counselors and the development of basic helping skills.

GUID 5113 THEORIES AND TECHNIQUES OF 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. Prereq: GUID 5163.

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. Prereq: GUID 5163.

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. Prereq: GUID 5163.

GUID 5163 THEORIES AND TECHNIQUES OF INDIVIDUAL SCHOOL COUNSELING
Introduction to individual counseling theory and school counseling techniques. Emphasis is placed on major counseling theories, their underlying philosophy, assumptions and techniques. Their strengths and weaknesses with an application in the school setting. Prereq: GUID 5163.

GUID 5172 CAPSTONE EXPERIENCE IN 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. Prereq: Permission of the instructor.

GUID 5193 ABNORMAL PSYCHOLOGY FOR 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 THE COUNSELOR AS CONSULTANT
Theory and practice as a consultant in school, family, and community settings.

GUID 5253 DEVELOPMENTAL GUIDANCE
Study of the design and management of a comprehensive developmental guidance program. Emphasis on the planning and implementation of a guidance curriculum appropriate for needs of all students. Prereq: GUID 5103 and PTE 5203.

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. Prereq: PTE 5383.

GUID 5343 COUNSELING CHILDREN AND ADOLESCENTS
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. Prereq: GUID 5153, 5163 or concurrent enrollment or permission.

GUID 5443 CAREER GUIDANCE
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 guidance program. Prereq: GUID 5013 or concurrent enrollment.

GUID 5552 DEVELOPMENTAL GUIDANCE IN THE 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 GUIDANCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GUID 5910 SEMINAR IN GUIDANCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

GUID 5940 SPECIAL TOPICS IN GUIDANCE
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

GUID 5950 INTERNSHIP IN GUIDANCE AND COUNSELING
Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.
within the department’s field of study. Supervised practical experience gained in a professional field by an advanced or graduate student. During the internship the required Professional Portfolio will be completed and checked. CACREP guidelines require a 600 hour internship.

**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 from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**GUID 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, College of Education

**HLTH 5000 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**HLTH 5203 ORGANIZATION AND 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 5313 WELLNESS INTERVENTION STRATEGIES AND SKILLS**
This course provides students with an understanding of the process involved in planning health interventions in health education and health promotion environments, practical applications of the needs assessment process, program development and implementation will be executed including the skills, theory and practice involved in assisting clients to develop health-related life skills.

**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 IN HEALTH**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HLTH 5920 DIRECTED READING IN HEALTH**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**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 SPECIAL TOPICS IN HEALTH**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

**HIST**
Department of History and Geography, College of Liberal Arts

**HIST 5000 WORKSHOP IN HISTORY**
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 toward 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 5103 EUROPE, 1919 TO 1945**
A history of Europe from the Treaty of Versailles into the post-World War II period. Emphasis is placed upon the period between the two wars, particularly the totalitarian regimes of Italy, Germany and Russia.

**HIST 5113 AMERICAN DIPLOMACY IN THE 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 5153 HISTORY OF LATIN AMERICA**
This course examines selected problems in Latin American history from the 15th Century to the present.

**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 5263 THE AMERICAN SOUTHWEST**
A history of the Southwest with emphasis upon the economic, cultural, and political forces which have produced its...
## Graduate Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5303</td>
<td>WEIMAR AND NAZI GERMANY</td>
<td>An in-depth study of the rise of national socialism during the Weimar republic, the consolidation of power by Hitler, and Germany during WWII.</td>
</tr>
<tr>
<td>HIST 5313</td>
<td>U.S. MILITARY HISTORY TO 1917</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5323</td>
<td>U.S. MILITARY HIST SINCE 1900</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5333</td>
<td>RUSSIAN HISTORY TO 1917</td>
<td>Students 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.</td>
</tr>
<tr>
<td>HIST 5343</td>
<td>RUSSIAN HISTORY SINCE 1917</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5403</td>
<td>INDIANS OF THE SOUTHWEST</td>
<td>A study of the social, cultural and intellectual history of the Indians of the American Southwest from prehistoric times to the present.</td>
</tr>
<tr>
<td>HIST 5433</td>
<td>AMERICAN COLONIAL PERIOD, 1492-1763</td>
<td>From the discovery of America to the Treaty of Paris in 1763.</td>
</tr>
<tr>
<td>HIST 5443</td>
<td>THE AMERICAN REVOLUTION AND EARLY</td>
<td>NATIONAL PERIOD, 1763-1815                                                                                           This course covers American History from the end of the French and Indian War in 1763 until 1815.</td>
</tr>
<tr>
<td>HIST 5502</td>
<td>CRITICAL &amp; ANALYTICAL STUDY OF HISTORY</td>
<td>A study of the discipline of history; its evolution, interpretation, and major historians.</td>
</tr>
<tr>
<td>HIST 5513</td>
<td>HISTORY OF MEXICO</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5523</td>
<td>MUSEUM MANAGEMENT</td>
<td>This course provides a comprehensive introduction to museum organization, law, ethics; contemporary museum issues; collections management procedures and policies; collections preservation.</td>
</tr>
<tr>
<td>HIST 5543</td>
<td>THE BLACK EXPERIENCE IN THE AMERICAN WEST</td>
<td>An examination of the black experience in the Trans-Mississippi from the sixteenth century to the late 20th century. Special attention is devoted to the contributions of black people to the development of American culture as cowboys, farmers, laborers, and soldiers.</td>
</tr>
<tr>
<td>HIST 5553</td>
<td>JACKSONIAN AMERICA, 1815 TO 1848</td>
<td>This course covers American History from 1815 until 1848, with emphasis on Jacksonian democracy, sectionalism, and manifest destiny.</td>
</tr>
<tr>
<td>HIST 5563</td>
<td>CIVIL WAR AND RECONSTRUCTION</td>
<td>The history of the United States from the beginning of the Civil War in 1860 to the end of Reconstruction in 1877.</td>
</tr>
<tr>
<td>HIST 5503</td>
<td>GILDED AGE &amp; PROGRESSIVE ERA, 1876-1919</td>
<td>A detailed study of American history from the Hayes-Tilden election to intervention into World War I.</td>
</tr>
<tr>
<td>HIST 5613</td>
<td>AMERICANS IN WORLD WAR II</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5623</td>
<td>MUSEUM THEORY AND PRACTICE</td>
<td>This course focuses on the interpretation of material culture, including research and exhibit planning and evaluation; contemporary issues in museum interpretation; museum education and the public dimension of museums.</td>
</tr>
<tr>
<td>HIST 5633</td>
<td>HISTORY OF THE UNITED STATES, 1919-1945</td>
<td>This course is a detailed study of American history from World War I to end of World War II.</td>
</tr>
<tr>
<td>HIST 5643</td>
<td>ANTHROPOLOGY: SOCIETY IN GLOBAL PERSPECTIVE</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5663</td>
<td>THE FRENCH REVOLUTION AND NAPOLEON</td>
<td>The origin of the French Revolution, the turbulent revolutionary years between 1789 and 1795, the rise of Napoleon, and Europe during the Napoleonic Era.</td>
</tr>
<tr>
<td>HIST 5673</td>
<td>THE OLD WEST</td>
<td>The American frontier from the founding of the North American colonies to the Louisiana Purchase with emphasis on the social and political problems of the early westward movement.</td>
</tr>
</tbody>
</table>
| HIST 5683   | VICTORIAN GREAT BRITAIN                         | The scope of this course embraces the long and eventful
**Graduate Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>HIST 5713</td>
<td>MODERN MIDDLE EAST</td>
<td>Peoples and geography; rise and features of Islam; classic Islamic civilizations; Arab and Turkish empires; Palestinian question; Nasserism, 20th century states.</td>
</tr>
<tr>
<td>HIST 5723</td>
<td>THE TRANS-MISSISSIPPI WEST</td>
<td>The American frontier from the Louisiana Purchase to the beginning of the twentieth century with emphasis on the economic, political and social adjustments and society in an arid region.</td>
</tr>
<tr>
<td>HIST 5733</td>
<td>THE AFRICAN AMERICAN EXPERIENCE TO 1900</td>
<td>In this course students will study in some detail the African and Latin American/Caribbean roots of the African-American heritage, then proceed to analyze the first 280 years of the African-American experience in English North America. Considerable time will be devoted to examining the historical record of this experience, through slavery, emancipation/abolition and the early years of freedom to the nadir of the pre-Progressive Era struggles for equality.</td>
</tr>
<tr>
<td>HIST 5743</td>
<td>MODERN CHINA AND JAPAN</td>
<td>History of these major Asian powers since 1600 with emphasis on their cultures, the impact of the West, the industrialization of Japan and the revolutionary process in China.</td>
</tr>
<tr>
<td>HIST 5753</td>
<td>THE AFRICAN AMERICAN EXPERIENCE SINCE 1900</td>
<td>Students will study in some detail the African American Experience from the nadir of the dreams of liberation as the Victorian Era came to an end and the so-called Progressive Era began down to current liberationist struggles and debates. Considerable time will then be devoted to examining the historical record of this experience through the lynching and Ku Klux Klan craze of the Jim Crow era, through the African American sacrifices made during World War I, the Great Depression, World War II, the Civil Rights and Black Power movements, into the continuing debates about the meaning of Black Liberation and how to achieve it.</td>
</tr>
<tr>
<td>HIST 5773</td>
<td>MODERN GERMAN HISTORY</td>
<td>The unification struggle arising out of the French Revolution, the development of the German state and society, the Weimar Republic, and the Nazi dictatorship.</td>
</tr>
<tr>
<td>HIST 5813</td>
<td>THE HISTORY OF GREECE AND ROME</td>
<td>A study of the two primary civilizations of ancient times with emphasis on their cultural and intellectual achievements as the foundation of western culture.</td>
</tr>
<tr>
<td>HIST 5823</td>
<td>SOCIAL &amp; CULTURAL HISTORY OF THE</td>
<td></td>
</tr>
<tr>
<td>HIST ISOM</td>
<td>UNITED STATES TO 1865</td>
<td>A study of the social, cultural and intellectual life of the United States from colonial times to the Civil War.</td>
</tr>
<tr>
<td>HIST 5833</td>
<td>SOCIAL &amp; CULTURAL HISTORY OF THE UNITED STATES SINCE 1865</td>
<td>A study of the social and cultural history of the United States from the Civil War to the present.</td>
</tr>
<tr>
<td>HIST 5843</td>
<td>MAJOR INTERPRETATIONS OF AMERICAN HISTORY</td>
<td>A study of new and old interpretations of major events in American history from the colonial period to the present. Especially designed for students working toward teacher education certification in American history.</td>
</tr>
<tr>
<td>HIST 5863</td>
<td>THE HISTORY OF MODERN SOUTHEAST ASIA</td>
<td>Traditional cultures and religions; impact of western colonialism; nationalist movements and formation of nations; development of representative governments; and contemporary roles in international relations.</td>
</tr>
<tr>
<td>HIST 5873</td>
<td>HISTORY OF THE US, 1945-PRESENT</td>
<td>This course is an advanced study of the political, economic, social and cultural evolution of the United States from the end of World War II to the present. Special emphasis is given to the expanded role of the United States in world affairs.</td>
</tr>
<tr>
<td>HIST 5883</td>
<td>THE REFORMATION, 1500-1648</td>
<td>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 Years War.</td>
</tr>
<tr>
<td>HIST 5893</td>
<td>EUROPE, 1871-1919</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5900</td>
<td>PRACTICUM IN HISTORY</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>HIST 5910</td>
<td>SEMINAR IN HISTORY</td>
<td>Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.</td>
</tr>
<tr>
<td>HIST 5920</td>
<td>DIRECTED READING IN HISTORY</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>HIST 5930</td>
<td>INDIVIDUAL STUDY IN HISTORY</td>
<td>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.</td>
</tr>
<tr>
<td>HIST 5940</td>
<td>SPECIAL TOPICS IN HISTORY</td>
<td>Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>HIST 5950</td>
<td>INTERNSHIP IN HISTORY</td>
<td>Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
</tbody>
</table>
## Graduate Course Descriptions

within the department’s field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

**HIST 5959 INTERNSHIP MUSEUM STUDIES**
Supervised practical experience gained in a professional field.

**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 from 1 to 2 hours. 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.

**HUMAN ENVIRONMENTAL SCIENCES (HES)**
Department of Human Environmental Sciences, College of Education

**HES 5123 PROFESSIONAL ISSUES**
This course is planned to assist the student in identifying professional and personal competencies needed in emerging Human Environmental Sciences 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.

**HES 5233 RESEARCH METHODS**
This course develops the basic techniques and methodology in academic and scientific research. Current research studies are reviewed and interpreted to show how the evaluation process applies to the professional areas encompassed by Human Environmental Sciences.

**HES 5323 CREATIVE LEADERSHIP**
This course explores strategies for marketing oneself effectively. Areas covered include 1) creativity and productivity, 2) leadership styles, 3) power and delegation, and 4) promotional techniques. The general information will be applied to studies of individuals as well as to student self-evaluation.

**HES 5910 SEMINAR IN HUMAN ENVIRONMENTAL SCIENCE**
Credit may vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HES 5940 SPECIAL TOPICS IN HUMAN ENVIRONMENTAL SCIENCE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HUMANITIES (HUM)**
Department of Humanities and Philosophy, College of Liberal Arts

**HUM 5000 WORKSHOP IN HUMANITIES**
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 toward a master’s degree.

**HUM 5900 PRACTICUM IN GENERAL HUMANITIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HUM 5910 SEMINAR IN GENERAL HUMANITIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HUM 5920 DIRECTED READING IN GENERAL HUMANITIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HUM 5930 INDIVIDUAL STUDY IN GENERAL HUMANITIES**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**HUM 5940 SPECIAL TOPICS IN HUMANITIES**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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 from 1 to 2 hours. 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.

**INFORMATION SYSTEMS & OPERATIONS MANAGEMENT (ISOM)**
Dept. of Information Systems & Operations Management, College of Business Administration

**ISOM 5000 WORKSHOP IN INFORMATION SYSTEMS & OPERATIONS 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**ISOM 5143 COMPUTING SYSTEMS FOR MANAGEMENT**
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. **Prereq:** Completed all prerequisites for the MBA Program.

**ISOM 5243 DATABASE DESIGN & IMPLEMENTA-**
Graduate Course Descriptions

**TION**
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. **Prereq:** Completed all prerequisites for the MBA Program and ISOM 5143 or approval of instructor.

**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. **Prereq:** Completed all prerequisites for the MBA Program and ISOM 5143, minimum grade C.

**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. **Prereq:** Completed all prerequisites for the MBA Program.

**ISOM 5633 OPERATIONS MGMT & 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. **Prereq:** 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. **Prereq:** Completed all prerequisites for the MBA Program and ISOM 5533.

**IME**

**ISOM 5900 PRACTICUM IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ISOM 5910 SEMINAR IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ISOM 5920 DIRECTED READINGS IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ISOM 5930 INDIVIDUAL STUDY IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**ISOM 5940 SPECIAL TOPICS IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the Department’s field of study.

**ISOM 5950 INTERNSHIP IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
Credit may vary from 1 to 8 hours.

**ISOM 5960 INSTITUTE IN INFORMATION SYSTEMS & OPERATIONS MANAGEMENT**
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 from 1 to 2 hours. Subject matter will vary within the department’s field of study.

**ISOM 5990 THESIS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**INSTRUCTIONAL MEDIA EDUCATION (IME)**
Department of Advanced Professional Services, College of Education

**IME 5000 WORKSHOP IN INSTRUCTIONAL MEDIA 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**IME 5013 LIBRARY MATERIALS FOR SECONDARY SCHOOLS**
This course examines qualitative historical and contemporary resources for young adult media center collections and presents media specialist 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 and curriculum integration are studied.

**IME 5023 MATERIALS SELECTION**
Graduate Course Descriptions

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.

**IME 5042  MICROCOMPUTERS IN CLASSROOMS AND 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.

**IME 5053  ADMINISTRATION OF THE SCHOOL MEDIA CENTER**
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. Emphasis is on effective decision-making and implementation of sound management principles.

**IME 5133  PRODUCTION I**
This course defines multimedia and addresses theory and concepts regarding its fast and growing impact on society. The course provides hands-on experiences for creating beginning and advanced multimedia productions. The course introduces the internet and how to search it and use it as a multimedia file server. Purchasing, installing, and configuring multimedia computers and components is an additional feature of the course. **Prereq:** demonstration of computer literacy or IME 5042.

**IME 5143  INSTRUCTIONAL TECH FOUNDATIONS**
The course covers the field of instructional technology, situating the field within the context of its historical perspective, current practices, and future directions. This is a core course in the applied technology option. It provides an introduction to the field and profession of instructional technology. Given that most entering technology students come from fields other than information technology, IME 5143 gives newcomers a sense of history and an explanation of how the components of the field fit together. There is a particular emphasis on the evolution of the “big ideas” of the field.

**IME 5223  PUBLIC RELATIONS AND INFORMATION SKILLS**
The focus of this course is the teaching of information literacy skills and creation of lessons/units to teach those skills. In addition, there will be emphasis on aspects of public relations essential to the success of school media centers. Practice in communicating services to both internal and external audiences will be provided, as well as both electronic and print practice in planning and producing public relations campaigns, integrated units of informa-

**IME 5233  LIBRARY MATERIALS FOR ELEMENTARY SCHOOLS**
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 media center collections and presents media specialist 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 IN INSTRUCTIONAL TECHNOLOGY**
This course emphasizes reader-centered writing in the creation of instructional materials by extracting, evaluating, and synthesizing information. Students develop skills in business documents, grant proposals, technical reports, and presentations. Styles of writing and audiences are examined.

**IME 5313  COLLABORATIVE DESIGN OF 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 5323  ISSUES IN DISTANCE EDUCATION**
The course examines the technologies and issues related to the development and delivery of distance learning. Topics include types, concepts, theories, history, components, design, and policy-making of distance learning programs. Emphasis is on the design and implementation of effective instructional strategies and delivery in distance learning environments. Interaction between the student, teacher, and administrator are stressed.

**IME 5413  MANAGING COMPUTER AND INFORMATION CENTERS**
This course exposes students to many of the issues encountered in developing and directing computer and electronic information centers. During the course, students explore such issues as hardware and software decision making, local and wide area network operation, software support, vendor relations, electronic security, facility design, staff development, and user training.

**IME 5423  REFERENCE AND BIBLIOGRAPHY**
This course introduces students to reference materials and services in libraries. It includes a history of the reference function in school, public, and special libraries; principles and uses of bibliography; correlation of reference to other library functions; rationale and techniques of reference service; evaluations and use of selected reference tools.

**IME 5453  CATALOGING AND CLASSIFICATION**
Graduate Course Descriptions

This course is a study of descriptive cataloging rules, creation of marc records, bibliographic networks, electronic and printed catalogs, formulation of assimilation and dissemination policies and procedures, and Dewey Decimal and Library of Congress classification systems. Course content stresses instruction and applied practice in descriptive cataloging and assignment of subject headings for school library media centers.

IME 5543 INSTRUCTIONAL DESIGN AND DEVELOPMENT I

This course is a study in cooperative design of instruction. Areas covered include determining instructional objectives, planning motivational strategies, and designing multimedia learning activities.

IME 5613 INSTRUCTIONAL DESIGN AND DEVELOPMENT II

This course addresses an instructional design or performance problem through performance analysis (to determine if the problem requires an instructional or non-instructional solution); needs assessment (to determine the nature and importance of problem); and needs analysis (to identify the causes of the problem and to identify solutions). The course focuses on theories, principles, and practices of analysis and assessment of needs from the perspective of instructional development including task analysis and instructional media. Attention is given to deficiencies and discrepancies in human performance and the root causes. Prereq: IME 5543.

IME 5713 EVALUATION AND CHANGE IN THE INSTRUCTIONAL DEVELOPMENT PROCESS

This advanced laboratory in instructional system design is an in-depth study of the final stages of the instructional design process. The focus is on measurement assessment, formative and summative evaluation, the educational change process as it relates to diffusing and implementing an innovative instructional project and project management. The course requires actual field experience at an existing academic or corporate site. Prereq: IME 5543, 5613.

IME 5863 PRODUCTION II

This course takes the foundation production skills learned in Production I and adds the more advanced skills needed for video production and web design. Emphasis is on planning, design, and development of instructional and information products. Prereq: IME 5133.

IME 5900 PRACTICUM IN INSTRUCTIONAL MEDIA EDUCATION

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

IME 5910 SEMINAR IN INSTRUCTIONAL MEDIA EDUCATION

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

IME 5920 DIRECTED READINGS IN INSTRUCTIONAL MEDIA EDUCATION

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

IME 5930 INDIVIDUAL STUDY IN INSTRUCTIONAL MEDIA EDUCATION

Credit will vary from 1 to 8 hours. Directed intensive study on definite problems of special subjects based on approved outlines or plans, conferences, oral and written reports.

IME 5940 SPECIAL TOPICS IN INSTRUCTIONAL MEDIA EDUCATION

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

IME 5950 INTERNSHIP IN INSTRUCTIONAL MEDIA EDUCATION

Credit will vary from 1 to 8 hours. Subject matter will vary from within 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 toward a master’s degree.

IME 5960 INSTITUTE IN INSTRUCTIONAL MEDIA EDUCATION

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 from 1 to 2 hours. Subject matter will vary within the department’s field of study.

JAPANESE (JAPN)

Department of Modern Languages, Literatures, and Cultural Studies, College of Liberal Arts

JAPN 5000 WORKSHOP IN JAPANESE

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 toward a master’s degree.

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 IN JAPANESE

Credit will vary from 1 to 4 hours. Subject matter will vary from within the department’s field of study.

JAPN 5920 DIRECTED READING IN JAPANESE

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

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 SPECIAL TOPICS IN JAPANESE

Credit will vary from 1 to 4 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
Graduate Course Descriptions

Credit will vary from 1 to 2 hours. 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.

JOURNALISM (JOUR)
Department of Journalism, College of Liberal Arts

JOUR 5000  WORKSHOP IN JOURNALISM
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 toward a master’s degree.

JOUR 5013  RESEARCH METHODS IN MASS COMM
A study of the sources of information of research techniques peculiar to journalism, including leadership studies, readability formulas, content analysis, and the questionnaire interview. The production of a publishable article is required.

JOUR 5063  FEATURE WRITING
Theory and practice of researching, writing, and marketing the feature story for various media.

JOUR 5103  SCHOOL PUBLICATIONS
A study of supervising production of school publications with emphasis on printing methods, school newspapers, and yearbooks.

JOUR 5123  ADVANCED NEWS EDITING
Advanced theory and practice of editing copy, writing headlines, and designing pages of newspapers. Lab 5123L must be taken concurrently. Prereq: JOUR 3143.

JOUR 5123L  ADVANCED NEWS EDITING LAB
Laboratory to accompany JOUR 5123.

JOUR 5133  MAGAZINE EDITING II
A continuation of JOUR 2123, with emphasis on editorial skills in planning, designing, and production of magazine-type publications. Prereq: JOUR 2123.

JOUR 5143  DEPTH REPORTING
Gathering and writing news of substance and depth on public affairs with emphasis on complete investigation and evaluation of conflicting points of view and complex issues. Prereq: JOUR 1143.

JOUR 5163  PUBLIC INFORMATION METHODS
A study of various methods used by public information officers in dealing with the communications media, particularly the preparation and dissemination of news releases, assistance in news gathering, maintaining information and photo files, and budgeting public information programs. Prereq: JOUR 3223.

JOUR 5183  PUBLIC RELATIONS CASE STUDIES
Case studies of specific public relations problems; planning short and long range public relations programs for various media, government. Prereq: JOUR 3223.

JOUR 5192  EDITORIAL WRITING
Theory and practice of researching and writing the editorial for various media.

JOUR 5203  PRESS THEORIES
A study of various ethical values of the world press as practiced by authoritarian, communistic, libertarian, and social responsibility theories.

JOUR 5243  HISTORY OF JOURNALISM
A study of the development of American journalism, with emphasis on the economic, social and political factors that produced the basic periods.

JOUR 5253  NONFICTION WRITING II
Discipline and guidance in developing a nonfiction book project or magazine articles. Prereq: JOUR 3253.

JOUR 5262  PUBLIC RELATIONS CAMPAIGNS
Preparation and presentation of special public relations efforts in business, government, education, health and other areas. Prereq: JOUR 3223.

JOUR 5283  ADVERTISING CAMPAIGNS
A study of various elements involved in the production of an advertising campaign from inception to conclusion. Students research, create, produce, execute, and evaluate a number of advertising campaigns for real clients for all media. Prereq: JOUR 1183, 3283.

JOUR 5303  LARGE FORMAT PHOTOGRAPHY
Producing pictures with large roll film and sheet film cameras. Prereq: JOUR 2143.

JOUR 5303L  LARGE FORMAT PHOTOGRAPHY LAB
Laboratory to accompany JOUR 5303.

JOUR 5353  ADVERTISING AND PUBLIC RELATIONS PHOTOGRAPHY
A study of the application of the basic principles of still photography to the specific fields of public relations and advertising photography. Prereq: JOUR 3343, 4303.

JOUR 5383  ADVERTISING SALES
A study of various theories and advertising selling skills need for media sales. Students create and sell advertising for one or more campus or commercial publications or broadcast stations. Prereq: JOUR 3283.

JOUR 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. Prereq: JOUR 1123 or permission of the instructor.

JOUR 5563  ETHICS AND LAWS OF THE PRESS
A study of the various legal rights and restrictions, ethics, duties, and responsibilities of the press.

JOUR 5842  TEACHING JOURNALISM IN SECONDARY SCHOOLS
Problems and methods.

JOUR 5900  PRACTICUM IN JOURNALISM
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

JOUR 5910  SEMINAR IN JOURNALISM
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

JOUR 5920  DIRECTED READING IN JOURNALISM
Credit will vary from 1 to 4 hours. Subject matter will vary...
### Graduate Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 5930</td>
<td>INDIVIDUAL STUDY IN JOURNALISM</td>
<td>1-4</td>
<td>This course is designed to enhance the student’s knowledge and application of exercise testing and exercise prescription for apparently healthy populations. <strong>Prereq:</strong> PHED 5303</td>
</tr>
<tr>
<td>KINS 5333</td>
<td>REHABILITATIVE EXERCISE FOR SPECIAL POPULATIONS</td>
<td></td>
<td>This course is designed to increase the student’s working knowledge of special populations in the areas of physical assessment and exercise prescription. <strong>Prereq:</strong> KINS 5303</td>
</tr>
<tr>
<td>KINS 5303</td>
<td>DIAGNOSTIC TESTS AND EXERCISE PRESCRIPTION</td>
<td></td>
<td>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. <strong>Prereq:</strong> PHED 5333 or equivalent.</td>
</tr>
<tr>
<td>KINS 0000</td>
<td>WORKSHOP IN KINESIOLOGY &amp; HEALTH STUDIES</td>
<td>1-4</td>
<td>Directed intensive study of selected problems or special topics. <strong>Prereq:</strong> an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>KINS 5113</td>
<td>LEGAL AND ETHICAL PRINCIPLES OF WELLNESS MANAGEMENT</td>
<td>1-4</td>
<td>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.</td>
</tr>
<tr>
<td>KINS 5213</td>
<td>LEADERSHIP IN HEALTH, FITNESS AND WELLNESS</td>
<td>1-4</td>
<td>This course is designed to generate competence for prospective directors, managers, and administrators for leadership in wellness settings. Technical and conceptual skills of leadership will be discussed and applied toward wellness programs in industry, hospital and health agencies. <strong>Prereq:</strong> an undergraduate major or equivalent.</td>
</tr>
<tr>
<td>KINS 5223</td>
<td>TECHNOLOGY AND MEDIA FOR WELLNESS MANAGERS</td>
<td>1-4</td>
<td>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. <strong>Prereq:</strong> an undergraduate major or equivalent.</td>
</tr>
<tr>
<td>KINS 5303</td>
<td>DIAGNOSTIC TESTS AND EXERCISE PRESCRIPTION</td>
<td>1-4</td>
<td>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 is on 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.</td>
</tr>
<tr>
<td>KINS 5900</td>
<td>PRACTICUM IN KINESIOLOGY AND HEALTH STUDIES</td>
<td>1-4</td>
<td>Directed intensive study of selected problems or special topics. <strong>Prereq:</strong> an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>KINS 5910</td>
<td>SEMINAR IN KINESIOLOGY &amp; HEALTH STUDIES</td>
<td>1-4</td>
<td>Directed intensive study of selected problems or special topics. <strong>Prereq:</strong> an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>KINS 5920</td>
<td>DIRECTED READING IN KINESIOLOGY AND HEALTH STUDIES</td>
<td>1-4</td>
<td>Directed intensive study of selected problems or special topics. <strong>Prereq:</strong> an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>KINS 5930</td>
<td>INDIVIDUAL STUDY IN KINESIOLOGY AND HEALTH STUDIES</td>
<td>1-4</td>
<td>Directed intensive study of selected problems or special topics. <strong>Prereq:</strong> an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>KINS 5940</td>
<td>SPECIAL TOPICS IN KINESIOLOGY AND HEALTH STUDIES</td>
<td>1-4</td>
<td>This course is designed to provide 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. <strong>Prereq:</strong> an undergraduate major or equivalent.</td>
</tr>
<tr>
<td>KINS 5950</td>
<td>INTERNSHIP IN KINESIOLOGY AND HEALTH STUDIES</td>
<td>1-8</td>
<td>Directed intensive study of selected problems or special topics. <strong>Prereq:</strong> an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
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**Graduate Course Descriptions**

<table>
<thead>
<tr>
<th>Latin (LATN)</th>
<th>Department of Modern Languages, Literatures, &amp; Cultural Studies, College of Liberal Arts</th>
</tr>
</thead>
</table>
| **LATN 5000** | Workshop in Latin  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study. |
| **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 in Latin  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. |
| **LATN 5920** | Directed Reading in Latin  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. |
| **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** | Special Topics in Latin  
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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. |
| **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 from 1 to 2 hours. 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. |

<table>
<thead>
<tr>
<th>Spanish (LATN)</th>
<th>Department of Modern Languages, Literatures, &amp; Cultural Studies, College of Liberal Arts</th>
</tr>
</thead>
</table>
| **LATN 5950** | Internship in Latin  
Credit will vary from 1 to 8 hours. Subject matter would vary within the department's field of study. |

**Legal Studies (LS)**

<table>
<thead>
<tr>
<th>Legal Studies (LS)</th>
<th>Department of General Business, College of Business</th>
</tr>
</thead>
</table>
| **LS 5900** | Practicum in Legal Studies  
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. |
| **LS 5910** | Seminar in Legal Studies  
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 5920** | Directed Reading in Legal Studies  
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. |
| **LS 5930** | Individual Study in Legal Studies  
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** | Special Topics in Legal Studies  
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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. |
| **LS 5960** | Institute in Latin  
Credit will vary from 1 to 8 hours. Subject matter would vary within the department’s field of study. |

**Management (MGMT)**

<table>
<thead>
<tr>
<th>Management (MGMT)</th>
<th>Department of Management, College of Business Administration</th>
</tr>
</thead>
</table>
| **MGMT 5000** | 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. No more than 2 hours of workshop may be counted toward a master’s degree. |
| **MGMT 5023** | Business Policy  
Business policy is a course designed to assess the student’s cognitive skills in solving business problems. He/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. Prereq: Completed all prerequisites for MBA Program and ACCT 5103, FIN 5333, 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. Prereq: Completed all prerequisites for the MBA Program. |
| **MGMT 5203** | International Management  
This course aims at developing student’s knowledge and
Graduate Course Descriptions

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. **Prereq:** 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. **Prereq:** Completed all prerequisites for the MBA Program and MGMT 5023.

**MGMT 5563 CORPORATE SOCIAL RESPONSIBILITY & BUSINESS ETHICS**
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. **Prereq:** 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.

**MGMT 5910 SEMINAR IN BUSINESS MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**MGMT 5920 DIRECTED READING IN MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**MGMT 5930 INDIVIDUAL STUDY IN BUSINESS MANAGEMENT**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**MGMT 5940 SPECIAL TOPICS IN MANAGEMENT**
Credit will vary from 1 to 4 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 from 1 to 2 hours. 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.

**MARKETING (MRKT)**

**Department of Marketing, College of Business Administration**

**MRKT 5000 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**MRKT 5123 MARKETING MANAGEMENT**
Marketing management is the study of the analysis, planning, implementation, and control of programs designed to create, build, and maintain mutually beneficial exchanges and relationships with target markets for the purpose of achieving organizational objectives. It relies on a disciplined analysis of the needs, wants, perceptions and preferences of target and intermediary markets as the basis for effective product design, pricing, communication, and distribution. **Prereq:** Completed all prerequisites for the MBA Program.

**MRKT 5143 MARKETING FOR THE NONPROFIT ORGANIZATION**
A study of application of marketing concepts in noncommercial ventures such as governmental bureaus and Departments, religious or charitable activities, various causes of current concern, and any group endeavor in which profit is not the motivating force. Specific topics and emphasis will vary with different student groups. **Prereq:** Completed all prerequisites for the MBA Program and MRKT 5123.

**MRKT 5223 CURRENT ISSUES, TRENDS, AND PROBLEMS IN MARKETING**
Study of and attention to current and timely topics, issues, and problems in the area of marketing. Extensive utilization of current literature in the area of marketing. Major objective of the course will be to acquaint the student with the major developments of the immediate and long-range trends in the area of marketing. **Prereq:** Completed all prerequisites for the MBA Program and MRKT 5123.

**MRKT 5553 INTERNATIONAL MARKETING**
International environmental forces and their impact on international marketing development and long-range trends in the international marketing. **Prereq:** Completed all prerequisites for the MBA Program.

**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 IN MARKETING**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**MRKT 5920 DIRECTED READING IN MARKETING**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**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 SPECIAL TOPICS IN MARKETING**
### Graduate Course Descriptions

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the Department’s 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 IN MARKETING**
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s 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.

### MATHMATICS (MATH)
Department of Mathematics And Statistics, College of Mathematics and Science

**MATH 5000  WORKSHOP IN MATHEMATICS**
Credit will vary form 1 to 4 hours. 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 toward a master’s degree.

**MATH 5103  THE REAL NUMBER SYSTEM**
A development of properties of the real number system. Recommended for all graduate students in mathematics.

**MATH 5113  OPERATIONS RESEARCH I**
Linear program formulation, the simplex method, duality, and linear sensitivity analysis. Applications including the transportation model and its variants, integer linear programming, goal programming, network models, CPM and PERT. **Prereq:** MATH 3143, STAT 3103 or 4113.

**MATH 5123  OPERATIONS RESEARCH II**
Deterministic dynamic programming, deterministic inventory models. Forecasting models, decision analysis and games, probabilistic dynamic programming, probabilistic inventory models, queuing systems and simulation modeling. **Prereq:** MATH 4113 or 5113.

**MATH 5134  CALCULUS FOR SECONDARY TEACHERS**
A survey of calculus in view of modern concepts. This course is for students preparing to teach advanced secondary mathematics.

**MATH 5143  ADVANCED CALCULUS FOR APPLICATIONS I**
This is the first course in a two-course sequence of differential and integral calculus. It’s topics include sequences and limits of sequences, limits of single variable functions, continuity of single variable functions, and differentiation and integration of single variable functions. Students will be required to apply the ideas learned to individual investigations. **Prereq:** MATH 4143 and minimum “C” required.

**MATH 5145  ADVANCED CALCULUS FOR APPLICATIONS II**
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. **Prereq:** MATH 5143 and minimum “C” is required.

**MATH 5164  CALCULUS FOR SECONDARY TEACHERS**
A case study approach to mathematical modeling. Differential problems are chosen for a variety of problem areas and mathematical methodology. **Prereq:** MATH 5143.

**MATH 5183  NUMERICAL ANALYSIS II**
A continuation of mathematics 3263 including the study of quadrature formulae, numerical solution of ordinary differential equations, introduction to linear programming, and error analysis. **Prereq:** MATH 3263.

**MATH 5203  FOUNDATIONS OF MATHEMATICS**
A study of the fundamentals concepts of mathematics. The axiomatic method in algebra and geometry, theory of sets and other cultural aspects of mathematics.

**MATH 5243  VECTOR ANALYSIS**
Vector algebra, vector functions of one variable, differential invariants, integral theorems, and vector spaces. **Prereq:** MATH 2343.

**MATH 5323  NON-LINEAR PROGRAMMING**
The N.L.P. problem, Kuhn-Tucker conditions. Quadratic, separable, and integer programming. The method of Griffith and Stewart. **Prereq:** MATH 4113 or 5113

**MATH 5403  INTRODUCTION TO ACTUARIAL SCIENCE**
Single-life mortality functions, annuities, life insurance, premiums, and reserve multiple-life functions. **Prereq:** STAT 4113 or 5113 or 4353 or 5353.

**MATH 5413  DIFFERENTIAL EQUATIONS**

**MATH 5433  THEORY OF FUNCTIONS**
The theory of functions of real and complex variables.

**MATH 5443  INTRODUCTION TO COMPLEX VARIABLES**
An introduction to the theory of functions of a complex variable, including analytic functions, complex integrals, Taylor and Laurent series, and conformal mappings. **Prereq:** MATH 2343

**MATH 5453  MATHEMATICAL MODELING**
A case study approach to mathematical modeling. Different problems are chosen for a variety of problem areas and mathematical methodology. **Prereq:** Permission of the instructor.

**MATH 5503  SYMBOLIC LOGIC**
The logic of syntax, an analysis of truth-functional compound statements, truth tables, formal and indirect proofs, propositional functions and the use of quantifiers, the logic of relations, and a study of the nature of deductive systems. **Prereq:** MATH 2323 and 6 hours of mathematics.
## Graduate Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5543</td>
<td>APPLIED GROUP THEORY</td>
<td>Applications of group theory to finite state machines, switching functions, and error detecting codes. Sets, partially ordered sets, functions, and boolean algebras. Prereq: MATH 4583.</td>
<td></td>
</tr>
<tr>
<td>MATH 5563</td>
<td>INTRODUCTION TO GRAPH THEORY</td>
<td>Structure of graphs, tree, connectivity, planarity, colorability of graphs, digraphs. Matrices associated with a graph, and automorphism group of a graph. Emphasis on graph theoretic modeling and applications to engineering, computer science, and data structures. Prereq: MATH 3183 or 3143.</td>
<td></td>
</tr>
<tr>
<td>MATH 5843</td>
<td>METHODS OF TEACHING MATHEMATICS AND COMPUTER SCIENCE</td>
<td>General aspects of the teaching of mathematics and computer science at the secondary and junior college levels. Prereq: CMSC 1613 and MATH 4843.</td>
<td></td>
</tr>
<tr>
<td>MATH 5900</td>
<td>PRACTICUM IN MATHEMATICS</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
<td></td>
</tr>
<tr>
<td>MATH 5910</td>
<td>SEMINAR IN MATHEMATICS</td>
<td>Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. Prereq: Undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
<td></td>
</tr>
<tr>
<td>MATH 5920</td>
<td>DIRECTED READING IN MATHEMATICS</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Prereq: Permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>MATH 5930</td>
<td>INDIVIDUAL STUDY IN MATHEMATICS</td>
<td>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. Prereq: Permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>MATH 5940</td>
<td>SPECIAL TOPICS IN MATHEMATICS</td>
<td>Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.</td>
<td></td>
</tr>
<tr>
<td>MATH 5950</td>
<td>INTERNSHIP IN MATHEMATICS</td>
<td>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.</td>
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</tr>
<tr>
<td>MATH 5960</td>
<td>INSTITUTE IN MATHEMATICS</td>
<td>Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.</td>
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</tr>
<tr>
<td>MATH 5970</td>
<td>STUDY TOUR</td>
<td>Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.</td>
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</tr>
<tr>
<td>MATH 5980</td>
<td>GRADUATE PROJECT IN MATHEMATICS</td>
<td>A contemporary problem provided by faculty, business or industry will be investigated. In the selection of the problem, consideration will be given to the interests and abilities of the individual student. Prereq: Permission of instructor.</td>
<td></td>
</tr>
<tr>
<td>MATH 5990</td>
<td>THESIS</td>
<td>Credit will vary from 1 to 4 hours. Directed intensive study on definite or special subject based on approved outlines of plan; conferences, oral and written reports.</td>
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</tbody>
</table>

### MUS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 5000</td>
<td>WORKSHOP IN MUSIC</td>
<td>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 toward a master’s degree.</td>
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</tr>
<tr>
<td>MUS 5022</td>
<td>MUSIC FOR THE SMALL VOCAL ENSEMBLE</td>
<td>Repertoire and performance practices of music for small vocal ensemble ranging from 16th century madrigal to</td>
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</tbody>
</table>

### ICS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MART 5930</td>
<td>INDIVIDUAL STUDY IN MEDIA ARTS</td>
<td>Credit will vary from 1 to 4 hours. Directed intensive study on definite or special subject based on approved outlines of plan; conferences, oral and written reports.</td>
<td></td>
</tr>
<tr>
<td>MART 5940</td>
<td>SPECIAL TOPICS IN MEDIA ARTS</td>
<td>Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.</td>
<td></td>
</tr>
<tr>
<td>MART 5950</td>
<td>INTERNSHIP IN MEDIA ARTS</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>MART 5960</td>
<td>INSTITUTE IN MEDIA ARTS</td>
<td>Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.</td>
<td></td>
</tr>
<tr>
<td>MART 5970</td>
<td>STUDY TOUR</td>
<td>Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.</td>
<td></td>
</tr>
<tr>
<td>MART 5990</td>
<td>THESIS</td>
<td>Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.</td>
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</tr>
</tbody>
</table>
Graduate Course Descriptions

MUS 5092  FORM AND ANALYSIS
The analysis of the construction of works in the various musical forms, affording an intelligent basis for musical interpretation. Prereq: MUS 2594.

MUS 5112  ADVANCED CHORAL Conducting
The study of conducting techniques as related to the unique styles of each musical period. Prereq: Permission of instructor.

MUS 5132  MUSIC OF THE BAROQUE PERIOD
(1600-1750)
A study of the Baroque period, its music literature, style and performance practices.

MUS 5142  SURVEY OF WIND INSTRUMENT LITERATURE FOR THE ENSEMBLE
A study of the development of wind instrument literature from 1600 to the present.

MUS 5152  INSTRUMENTATION
A survey of the four choirs of instruments and beginning orchestration. Prereq: 8 hours of harmony.

MUS 5162  MUSIC OF THE CLASSICAL PERIOD
(1750-1825)
A study of the Classical period, its music literature, style, and performance practices.

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.

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. Prereq: MUS 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. Prereq: MUS 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. Prereq: Bachelor of Music or Music Education degree. This course replaces MUSIC 5033 & MUSIC 5032 Music for Elementary Teachers.

MUS 5242  INSTRUMENTAL MUSIC PEDAGOGY
This course is the study of basic contents and general principles of instrumental music pedagogy appropriate to the Master of Music Degree. The emphasis is placed primarily on instrumental performance problems and the related pedagogy of the major performance area of the student. This course is not required for education certification. Prereq: Bachelors Degree in some field of music.

MUS 5322  PIANO LITERATURE I
This course is a historical survey of music for the harpsichord and the piano from the sixteenth century through the eighteenth century. It includes a study of performance practices relating to the keyboard and interpretive demonstrations through live performances and recordings. Prereq: instructor permission.

MUS 5332  PIANO LITERATURE II
This course is a survey of music for the piano from the 18th Century to the present. It includes a study of performances practices relating to the keyboard and interpretive demonstrations through live performances and recordings. Prereq: written permission of instructor.

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. Prereq: eight hours of undergraduate harmony.

MUS 5502  ADVANCED Conducting AND SCORE READING
A thorough study of choral, band and orchestral scores and their interpretation.

MUS 5602  WOODWIND MATERIALS & TECHNIQUES
A critical examination of significant publications for woodwinds with emphasis upon instructional aids and the organization of graded literature for each of the woodwind instruments.

MUS 5612  JAZZ PEDAGOGY
The course is designed to teach techniques of instruction in the area of jazz education and performance and large jazz ensembles at the college level. Prereq: MUS 3211, 3221 and 2341.

MUS 5622  STRINGS, MATERIALS AND TECHNIQUES
no description at this time.

MUS 5642  GERMAN SINGING DICTION
German diction for Singers is designed to address the unique challenges presented to the American singer, choral director, teacher of singing, and coach/accompanist who is expected to perform, teach or conduct German vocal literature in a professional setting. Prereq: A working knowledge of the International Phonetic Alphabet, Diction I, or permission of the instructor.

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.

MUS 5882  PIANO PEDAGOGY
A study of the materials and techniques of teaching piano, from the elementary to the advanced level. Prereq: 4 semester hours of applied piano.

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 IN MUSIC
### Graduate Course Descriptions

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. **Prereq:** An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

**MUS 5920** DIRECTED READING IN MUSIC  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**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** SPECIAL TOPICS IN MUSIC  
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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 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.

**MUS 5995** DIRECTED READING IN MUSIC  
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. **Prereq:** An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

**MUED 5000** 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. No more than 2 hours of workshop may be counted toward a master's degree.

**MUED 5312** RESEARCH IN MUSIC EDUCATION  
Concepts and methods of music research, with emphasis on practical musical, acoustical and musicological problems. A review of pertinent music researches is included.

**MUED 5312** RESEARCH IN MUSIC EDUCATION  
Concepts and methods of music research, with emphasis on practical musical, acoustical and musicological problems. A review of pertinent music researches is included.

**MUED 5402** INSTRUMENTAL METHODS AND MATERIALS FOR THE SECONDARY TEACHER  
Study of the basic content and general principles of instrumental music appropriate to the secondary school program; organization of materials, procedures and techniques of instruction.

**MUED 5412** 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 5432** VOCAL METHODS AND MATERIALS FOR THE SECONDARY TEACHER  
Study of the basic content and general principles of vocal music appropriate to the secondary school program; organization of materials, procedures and techniques of instruction.

**MUED 5842** ELEMENTARY MUSIC METHODS (INSTRUMENTAL)  
Problems and methods of teaching instrumental music in the grades. For music majors only. **Prereq:** Admission to Teacher Education.

**MUED 5852** ELEMENTARY MUSIC METHODS (VOCAL)  
Problems and methods of teaching vocal music in the grades. For music majors only. **Prereq:** Admission to Teacher Education.

**MUED 5862** INSTRUMENTAL MUSIC METHODS (SECONDARY)  
Problems and methods of teaching music in the junior and senior high school. **Prereq:** For music majors/minors only.

**MUED 5872** VOCAL MUSIC METHODS (SECONDARY)  
For music majors/minors only.

**MUED 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.

**MUED 5910** SEMINAR IN MUSIC  
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. **Prereq:** An undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

**MUED 5920** DIRECTED READING IN MUSIC  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**MUED 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.

**MUED 5940** SPECIAL TOPICS IN MUSIC  
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

**MUED 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.

**MUED 5960** INSTITUTE IN MUSIC  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**MUED 5970** STUDY TOUR  
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.
Graduate Course Descriptions

Credit will vary from 1 to 2 hours. 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 PERFORMANCE (MPER)**
Department of Music, College of Arts, Media & Design

**MPER 5000**  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. No more than 2 hours of workshop may be counted toward a master’s degree.

**MPER 5010**  APPLIED MUSIC (GRADUATE)
Credit will vary from 1-4 hours. Applied brass, organ, piano, voice, strings, percussion and woodwinds.

**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 without a conductor. **Prereq:** 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. **Prereq:** a successful audition or permission of the instructor.

**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. **Prereq:** written permission of 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. **Prereq:** written permission of instructor.

**MPER 5822**  GRADUATE RECITAL
This course is a public performance for the graduate performance major. **Prereq:** two semesters of graduate instruction in the applied area and written permission of major applied instructor and graduate advisor.

**MPER 5900**  PRACTICUM IN MUSIC

**NURSING (NURS)**
Department of Nursing, College of Mathematics and Science

**NURS 5000**  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. No more than 2 hours of workshop may be counted toward a master’s degree.

**NURS 5033**  THEORETICAL FOUNDATIONS OF NURSING PRACTICE
Students are provided with the opportunity to relate a philosophical and theoretical base to concepts and operations inherent in nursing administration. Current nursing conceptual models and theories will be analyzed. Selected theories from the behavioral, natural, and applied sciences will be studied for their application to nursing and synthesis with nursing theories. **Prereq:** B.S. degree in Nursing and
NURS 5103  ADVANCED PATHOPHYSIOLOGY
This course is the study of physiological mechanisms altered by disease in the human organism, and explores the rationale for diagnosis and therapeutic interventions in disease conditions. Prereq: BIO 2604.

NURS 5513  PSYCHIATRIC FORENSIC NURSING
This course overviews psychiatric concepts important to forensic nursing. The focus will be on psychiatric conditions associated with criminal behavior including the psychosocial factors that motivate same. These psychiatric issues are then related to forensic concepts for the purpose of facilitating valid and reliable investigative procedures.

NURS 5523  SEXUAL ASSAULT FORENSICS
The purpose of this course is to provide an overview of the types of sexual assaults to which adults fall victim, perpetrator profiles and sequelae of these assaults on victims.

NURS 5533  CHILD ABUSE FORENSICS
The course is a comprehensive examination of all forms of child maltreatment and neglect, etiological factors, perpetrator profiles, short-term and long-term sequelae of abusive experiences, and treatment modalities.

NURS 5543  DOMESTIC VIOLENCE FORENSICS
This course is a comprehensive examination of all forms of domestic violence, characteristics of perpetrators, stalking, spouse abuse, elder abuse, homicide and the short-term and long-term sequelae of the assaults on victims. Law enforcement policies and treatment modalities will also be covered.

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 IN NURSING
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

NURS 5920  DIRECTED READING IN NURSING
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

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  SPECIAL TOPICS IN NURSING
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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
Credit will vary from 1 to 2 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.
Graduate Course Descriptions

NTRN 5892  ADVANCED CLINICAL NUTRITION
Development of skills required of the professional nutrition care specialist. This course provides an opportunity to integrate nutrition knowledge with its application in clinical care in a variety of health care practice settings. Prereq: NTRN 4394, NTRN 4034, CHEM 3403, CHEM 3442, and BIO 2604. Permission required.

NTRN 5900  PRACTICUM IN NUTRITION AND FOOD MANAGEMENT
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 5910  SEMINAR IN NUTRITION AND FOOD MANAGEMENT
Credit will vary from 1 to 4 hours. Directed intensive study of selected problems or special topics. Prereq: An undergraduate minor or equivalent in the subject matter area and written permission of the Department Chair and Graduate Advisor.

NTRN 5920  DIRECTED READING IN NUTRITION AND FOOD MANAGEMENT
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 5930  INDIVIDUAL STUDY IN NUTRITION AND FOOD MANAGEMENT
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. Prereq: An undergraduate major or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

NTRN 5940  SPECIAL TOPICS IN NUTRITION AND FOOD MANAGEMENT
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

NTRN 5950  INTERNSHIP IN NUTRITION AND FOOD 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.

NTRN 5960  INSTITUTE IN NUTRITION AND FOOD MANAGEMENT
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

NTRN 5970  STUDY TOUR
Credit will vary from 1 to 2 hours; 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.

OCCUPATIONAL AND TECHNOLOGY EDUCATION (OCTE)
Department of Occupational And Technology Education, College of Education

OCTE-PHIL

OCTE 5000  WORKSHOP IN OCCUPATIONAL 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. No more than 2 hours of workshop may be counted toward a master’s degree.

OCTE 5082  VOCATIONAL STUDENT ORGANIZATIONS
This course will focus on the development of a vocational student organization (VSO) to serve the needs of students enrolled in vocational and technology education programs. Participants will develop a plan for implementing and promoting a VSO within their field of vocational or technology education teaching.

OCTE 5103  INSTRUCTIONAL STRATEGIES OF MARKETING EDUCATION
This course is designed to develop instructional strategies needed to teach business subjects, including lesson plans, unit plans, and evaluation techniques. Prereq: Permission required.

OCTE 5172  ORGANIZATION AND ADMINISTRATION OF HEALTH OCCUPATIONS
This course will examine the basic principles, philosophy, and rationale underlying the organization and administration of health occupation education programs, with special attention directed toward the total planning, development, execution, and evaluation competencies involved.

OCTE 5203  ORGANIZATION AND ADMINISTRATION OF MARKETING EDUCATION PROGRAMES
This course is an intensive study related to organizing local marketing education programs. Special emphasis will be given to administrative techniques of organization and operation. Prereq: Permission required.

OCTE 5213  HISTORY AND PHILOSOPHY OF CAREER TECHNOLOGY EDUCATION
This course includes basic principles and physiology underlying the organization and development of programs in career-tech education with special attention directed toward federally-aided programs in these areas.

OCTE 5233  CURRICULUM DESIGN IN OCCUPATIONAL AND TECHNOLOGY EDUCATION
This course will examine the techniques for the analysis of occupations and technical content pertaining to occupational, technology education, and training and development settings. Identification of specific task through a training analysis to be used as the basis for developing a complete program of instruction. The analysis process is followed by an examination of procedures for the selection and development of course content in occupational technology, and training and development programs. Procedures and developing group and individualized instructional materials will also be examined.

OCTE 5253  SAFETY CONCERNS & MANAGEMENT
Graduate Course Descriptions

**OF OCCUPATIONAL AND TECHNOLOGY PROGRAMS**

A study focusing on the principles of instructional facility planning and evaluation of laboratory organization including: OSHA, HAZCOM, ADA and other industry safety requirements; student safety mandates; equipment placement; tool and material storage, preventative maintenance, and inventory control. Areas including student disciplining and assignment to personnel systems, management of student records and maintaining documentation, management of individualized and competency based instruction, instructor responsibilities and liabilities within instructional environments are also stressed.

**OCTE 5323 METHODS OF TEACHING HEALTH OCCUPATIONS**

This course will focus on the methods and techniques employed in delivering instruction in health occupations education.

**OCTE 5342 CONSULTING SKILLS FOR TRAINING AND DEVELOPMENT**

This course examines the internal and external consulting roles of the training and development professional. Topics include an overview of the consulting process, conducting contracting meetings, understanding and dealing with resistance, gathering data, and conducting feedback meetings. Responding to requests for proposals, writing proposals, developing budgets, and determining the cost benefits of training will also be examined.

**OCTE 5352 ACCOMMODATING SPECIAL-NEEDS STUDENTS IN OCCUPATIONAL AND TECHNOLOGY PROGRAMS**

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. **Prereq:** OCTE 4253 Safety Concerns and Management of Trade and Industrial Programs.

**OCTE 5362 INTEGRATION AND TRANSITIONING OPPORTUNITIES IN OCCUPATIONAL EDUCATION**

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. **Prereq:** Introduction to Trade and Industrial Education or equivalent.

**OCTE 5363 METHODS/ MANAGEMENT OF VOCATIONAL BUSINESS**

This course examines the methods and management of a business information technology program; selection of equipment and materials; designing the VBOE lab; and organization of work flow.

**OCTE 5723 TROUBLESHOOTING AND MAINTAINING A COMPUTER**

This is a graduate-level course in personal computer (PC), printer, fax, modem, and other peripheral, systems basic troubleshooting: simple repair procedures and testing, printed circuit board (PCB) removal and upgrading, functional circuit board component removal and replacement (disk drives). Sequential and Substitutional Troubleshooting Techniques, electronic resource management methods, diagnostic software packages, and DOS commands to access and alter CONFIG.SYS and AUTO-EXEC.BAT will be applied. Telecommunications techniques and media, Local Area Networks, Wide Area Networks, and network protocols are presented and applied.

**OCTE 5853 METHODS OF TEACHING OCCUPATIONAL AND TECHNOLOGY EDUCATION**

This course is an examination of the selection and implementation of instructional strategies for occupational and technology education. Through instructional strategy selection, introducing and summarizing topics, conducting illustrated lectures, giving demonstrations, operating media equipment, and analyzing instructional techniques will be covered.

**OCTE 5900 PRACTICUM IN VOCATIONAL EDUCATION**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**OCTE 5910 SEMINAR IN OCCUPATIONAL TECHNOLOGY**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**OCTE 5920 DIRECTED READINGS IN OCCUPATIONAL TECHNOLOGY EDUCATION**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**OCTE 5930 INDIVIDUAL STUDY IN VOCATIONAL EDUCATION**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**OCTE 5940 INTERNSHIP IN OCCUPATIONAL EDUCATION**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.
Graduate Course Descriptions

EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 5940 SPECIAL TOPICS IN OCCUPATIONAL TECHNOLOGY
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

OCTE 5950 INTERNSHIP IN OCCUPATIONAL TECHNOLOGY
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 IN OCCUPATIONAL TECHNOLOGY
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHILOSOPHY (PHIL)
Department of Humanities And Philosophy, College of Liberal Arts

PHIL 5000 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. No more than 2 hours of workshop may be counted toward a master's degree.

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. Prereq: 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. Prereq: 6 hrs of philosophy; 6 hrs of social science; and written permission of instructor.

PHIL 5503 SYMBOLIC LOGIC
The course will begin with the logic of syntax, followed by an analysis of truth-functional compound statements and truth tables. A variety of proof procedures applicable to deductive arguments will be investigated and used, including formal and indirect proofs. Propositional functions and the use of quantifiers, the logic of relations, and finally, a study of the nature of deductive systems will complete the course.

PHIL 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 IN PHILOSOPHY

PHED-PHY

PHIL 5920 DIRECTED READING IN PHILOSOPHY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

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 SPECIAL TOPICS IN HUMANITIES
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

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 from 1 to 2 hours. 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.

PHYSICAL EDUCATION (PHED)
Department of Kinesiology and Health Studies, College of Education

PHED 5000 WORKSHOP IN PHYSICAL 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. No more than 2 hours of workshop may be counted toward a master’s degree.

PHED 5102 PROBLEMS OF HEALTH, PHYSICAL EDUCATION AND RECREATION
Individual investigation of research methods and special problems in health and physical education.

PHED 5122 PROGRAM DESIGN AND DEVELOPMENT IN HEALTH & 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 IN HEALTH AND 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 AND EQUIPMENT
A course emphasizing the functional planning of physical...
Graduate Course Descriptions

**education facilities and equipment for outdoor and indoor areas, stadium, gymnasium, swimming pool and other.**

**PHED 5202 HEALTH AND 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. **Prereq:** PHED 3302 or its equivalent.

**PHED 5212 HEALTH AND 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. **Prereq:** 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 SPORTS**

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 OF 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 GROSS MOTOR AND BODY IMAGE ASSESSMENT**

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 5303 PHYSIOLOGICAL BASES OF HUMAN PERFORMANCE**

A study of the physiological effects of physical exercise. **Prereq:** PHED 3503.

**PHED 5313 APPLIED SPORTS PSYCHOLOGY**

This course is study of psychological theories and techniques that could be used to enhance the performance and personal growth of sports & exercise participants from youth to elite levels.

**PHED 5363 PSYCHOLOGICAL BASES OF HUMAN PERFORMANCE**

A study of the principles of learning as applied in the teach-
PHY 5000  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. No more than 2 hours of workshop may be counted toward a master’s degree.

PHY 5013  MATHEMATICAL PHYSICS II
A continuation of PHY 3094, this course discusses in more depth the mathematical preparation required for solutions to boundary value problems found in electrostatics, mechanics, heat transfer, quantum mechanics, and acoustics. The mathematical topics may include curvilinear coordinates, Fourier analysis, Fourier transforms, partial differential equations, Green’s functions, tensor analysis and group theory. Prereq: PHY 3884.

PHY 5033  NUCLEAR PHYSICS
Basic characterization of the nucleus and subatomic particles, their interaction, nuclear models, symmetries and conservation laws, tools, and technology. Prereq: PHY 3104 and PHY 3884.

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. Prereq: PHY 3104 and 9 additional hours upper division level physics.

PHY 5063  ANALYTICAL MECHANICS
A vector analytical approach to particle and rigid-body dynamics including a brief introduction to LaGrange’s and Hamilton’s equations, and special relativity. Prereq: ENGR 3063.

PHY 5071  NUCLEAR RADIATION LABORATORY
A laboratory course providing a thorough understanding of the types of nuclear radiation, their origin, characteristics, detection and interaction with matter. Prereq: PHY 3104

PHY 5083  ELECTROMAGNETIC RADIATION

PHY 5103  CLASSICAL MECHANICS WITH APPLICATION
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. Prereq: PHY 4163

PHY 5143  KINETIC THEORY & STAT MECHANICS
A treatment of the kinetic theory of gases, including transport phenomena and an introduction to classical and quantum statistical mechanics. Prereq: ENGR 4023 and PHY 3884.

PHY 5203  APPLIED ELECTRODYNAMICS
The application of electromagnetic theory (Maxwell’s equations) to the description of static and time dependent electric and magnetic fields, electromagnetic radiation, wave guides, transmission lines, and related problems. Prereq: PHY 4183 and PHY 4003.

PHY 5443  QUANTUM MECHANICS
An introduction to the theory of quantum mechanics and its applications. Topics include the historical development of quantum mechanics, the Schroedinger equation and its applications, the theory of operators, the theory of angular momentum, the hydrogen atom, and perturbation theory. Prereq: PHY 3104, MATH 3103.

PHY 5543  DIRECTED STUDY
A directed study of a specialized aspect of industrial or applied physics. A maximum credit of four hours may be awarded for a non-thesis program and a maximum of six credit hours awarded in a thesis program.

PHY 5900  PRACTICUM IN PHYSICS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

PHY 5910  SEMINAR IN PHYSICS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

PHY 5920  DIRECTED READING IN PHYSICS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

PHY 5930  INDIVIDUAL STUDY IN PHYSICS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

PHY 5940  SPECIAL TOPICS IN PHYSICS
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

PHY 5950  INTERNSHIP IN PHYSICS
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 IN PHYSICS
Credit will vary from 1 to 2 hours. Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study, provided that the student has completed the prerequisite coursework.

PHY 5970  STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.

PHY 5980  THESIS
Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.

POL 5000  WORKSHOP IN POLITICAL SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within department’s field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted toward a master’s degree.
Graduate Course Descriptions

**POL 5013** URBAN HISTORY, INSTITUTIONS, & ENVIRONMENTS
The study of contemporary political, social, and economic institutions and environment of urban areas, placed in a historical context.

**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
This course provides an analysis of statistical techniques and research methodology commonly used in studying political phenomena. Included are probability theory, bivariate, and multivariate techniques through regression.

**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** PROBLEMS IN THE BUDGETARY PROCESS
The study of the process by which financial resources of governmental institutions are allocated, emphasizing this process in local government.

**POL 5133** PROBLEMS IN STATE & URBAN PROCESS
A study of the problems existing in relationships between state and local governmental units.

**POL 5143** PROBLEMS IN 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 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** LAND USE PLANNING
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 5193** PUBLIC FIN & MUNICIPAL BUDGET
An analysis of municipal revenue sources and expenditures, including the planning, approval, and implementation of municipal budgets.

**POL 5213** POLITICAL SOCIOLOGY
An examination of extremism and political deviancy, emphasizing the causes and sociological implications of extremism. Prereq: POL 1113 and SOC 2103.

**POL 5223** THE PRESIDENCY
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. Prereq: POL 1113.

**POL 5233** POLITICAL PARTIES--POLITICAL 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. Prereq: 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.

**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. Prereq: 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 POLITICAL RISK ANAL
An analysis of techniques useful in forecasting regime changes, nationalization, controls on profit reparation, 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. Prereq: POL 1113.

**POL 5313** RELIGION AND THE LAW
This course examines the relationship between law and religion in the United States by focusing on the Supreme Court’s interpretation of the First Amendment’s Establishment and Free Exercise Clauses.

**POL 5323** THE 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** THE CONSTITUTION AND CIVIL LIBERTIES
This course is an analysis of the U.S. Constitution as
### Graduate Course Descriptions

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 5403</td>
<td>WOMEN AND POLITICS</td>
<td>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.</td>
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<tr>
<td>POL 5413</td>
<td>PUBLIC POLICY ANALYSIS</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5433</td>
<td>URBAN MINORITY POLITICS</td>
<td>An examination of the intricacies of diversity and the decomposition of the American urban areas, focusing on the role of city government, urban political processes, and representation techniques.</td>
</tr>
<tr>
<td>POL 5444</td>
<td>ENVIRONMENTAL POLITICS</td>
<td>This course 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. <strong>Prereq:</strong> POL 1113.</td>
</tr>
<tr>
<td>POL 5523</td>
<td>URBAN HOUSING POLICY</td>
<td>A study of the various factors which affect national and local housing issues, with discussion of housing problems in the urban environment.</td>
</tr>
<tr>
<td>POL 5533</td>
<td>DEVELOPMENT DISPUTE RESOLUTION</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5543</td>
<td>STATE ADMINISTRATION</td>
<td>A study of the administrative institutions, policy making processes, and political environment of state government, emphasizing both theory and practice. <strong>Prereq:</strong> POL 1203, 2413</td>
</tr>
<tr>
<td>POL 5603</td>
<td>THEORY OF INTERNATIONAL RELATIONS</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5613</td>
<td>WORLD POLITICS</td>
<td>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. <strong>Prereq:</strong> POL 2303.</td>
</tr>
<tr>
<td>POL 5623</td>
<td>AMERICAN FOREIGN POLICY</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5633</td>
<td>INTERNATIONAL LAW</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5643</td>
<td>INTERNATIONAL SECURITY STUDIES</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5653</td>
<td>INTERNATIONAL ORGANIZATION</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5663</td>
<td>POLITICS AND THE WORLD ECONOMY</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5673</td>
<td>ECONOMIC STATECRAFT</td>
<td>A study of the economic instruments and tactics available to nation-states to pursue their national interests. Specific attention will be given to examining the nature of foreign economic policy making with the U.S. and also the debate surrounding the underlying philosophy of trade between such schools of thought as: Free Trade, Trading Blocks, Managed Trade and Protectionism.</td>
</tr>
<tr>
<td>POL 5693</td>
<td>CONTEMPORARY INTERNATIONAL ISSUES</td>
<td>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.</td>
</tr>
</tbody>
</table>
| POL 5703    | THEORIES OF 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,
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<tr>
<th>Course Code</th>
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<th>Description</th>
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<tbody>
<tr>
<td>POL 5713</td>
<td>AFRICAN POLITICAL SYSTEMS</td>
<td>A survey of the dynamics of Sub-Saharan African political systems. Among the topics covered will be: the legacies of colonial influences, ethnicity, African political thought, political parties and liberation movements, comparisons of various democratic, semi-democratic and authoritarian systems, and the influence of outside powers today.</td>
</tr>
<tr>
<td>POL 5723</td>
<td>POLITICAL SYSTEMS OF ASIA</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5733</td>
<td>LATIN AMERICAN POLITICAL SYSTEM</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5743</td>
<td>EUROPEAN POLITICS</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5753</td>
<td>POLITICS OF MEXICO</td>
<td>The course will examine Mexico’s unique political environment and political traditions, and how these manifest themselves in Mexico’s contemporary government, party politics, constitutional debate, and processes of political/social/economic change.</td>
</tr>
<tr>
<td>POL 5763</td>
<td>POLITICS OF JAPAN</td>
<td>This course will examine the politics and government of Japan, incorporating a historical and cultural perspective. The main objective is to communicate a clean understanding of the Japanese political system and its decision-making processes.</td>
</tr>
<tr>
<td>POL 5773</td>
<td>POLITICS OF REVOLUTION</td>
<td>This course will examine the theoretical parameters of violent political change by studying the basic characteristics of major world revolutions. Specific focus will be given to recent revolutions in Latin America. The impact and duration of revolutionary change, and the methods of measuring related structural changes will also be studied.</td>
</tr>
<tr>
<td>POL 5813</td>
<td>POLITICAL PHILOSOPHY</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5823</td>
<td>RELIGION AND POLITICS</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5833</td>
<td>SURVEY OF AMERICAN POLITICAL THOUGHT</td>
<td>A survey of main currents in American political thought from puritanism to the present. <strong>Prereq:</strong> POL 1113.</td>
</tr>
<tr>
<td>POL 5843</td>
<td>ANCIENT &amp; MEDIEVAL POLITICAL THOUGHT</td>
<td>The development of political theories from Plato to Rousseau. <strong>Prereq:</strong> POL 1113.</td>
</tr>
<tr>
<td>POL 5853</td>
<td>MODERN POLITICAL THOUGHT</td>
<td>An analysis of the development of political philosophy from John Locke to the present, including fascism, communism, and other systems of political thought. <strong>Prereq:</strong> POL 1113.</td>
</tr>
<tr>
<td>POL 5900</td>
<td>PRACTICUM IN POLITICAL SCIENCE</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5910</td>
<td>SEMINAR IN GOVERNMENT</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5920</td>
<td>DIRECTED READING IN POLITICAL SCIENCE</td>
<td>Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5930</td>
<td>INDIVIDUAL STUDY IN GOVERNMENT</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5940</td>
<td>SPECIAL TOPICS IN POLITICAL SCIENCE</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5950</td>
<td>INTERNSHIP IN POLITICAL SCIENCE</td>
<td>An internship meeting 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.</td>
</tr>
<tr>
<td>POL 5960</td>
<td>INSTITUTE IN POLITICAL SCIENCE</td>
<td>Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5970</td>
<td>STUDY TOUR</td>
<td>Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>POL 5980</td>
<td>CAPSTONE PAPER</td>
<td>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.</td>
</tr>
<tr>
<td>POL 5990</td>
<td>THESIS</td>
<td>Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>PROFESSIONAL TEACHER EDUCATION (PTE)</td>
<td>Department of Professional Teacher Education, College of Education</td>
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Graduate Course Descriptions

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<tr>
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<tbody>
<tr>
<td>PTE 5000</td>
<td>WORKSHOP IN PROFESSIONAL TEACHER EDUCATION</td>
<td>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 toward a master’s degree.</td>
</tr>
<tr>
<td>PTE 5013</td>
<td>FOUNDATIONS OF EDUCATIONAL RESEARCH</td>
<td>This course provides an interdisciplinary approach to developing criteria for utilization of research methodologies relevant to the varied professionals working in educational settings. Included in this course will be practical experience in conducting and/or writing research proposals appropriate to the programs reflective of these educational settings and a computer simulation of the handling of statistical data.</td>
</tr>
<tr>
<td>PTE 5112</td>
<td>MODERN PHILOSOPHIES OF EDUCATION</td>
<td>This course is a study of current educational philosophies with a special emphasis on the those of United States. It provides for an understanding and application of philosophical theories within the educational setting.</td>
</tr>
<tr>
<td>PTE 5142</td>
<td>HISTORY OF EDUCATION</td>
<td>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.</td>
</tr>
<tr>
<td>PTE 5153</td>
<td>ADVANCED DEVELOPMENTAL PSYCHOLOGY IN AN EDUCATIONAL SETTING</td>
<td>This course provides an advanced level review of human development across the life span and of developmental changes from the prenatal phase to late adulthood. Special emphasis is provided for examination and application of developmental theories and research relevant to professionals working in educational settings.</td>
</tr>
<tr>
<td>PTE 5172</td>
<td>EDUCATIONAL SOCIOLOGY</td>
<td>This course examines the school's function in a democratic society and its relationship to the total culture particularly to social problems.</td>
</tr>
<tr>
<td>PTE 5203</td>
<td>ADVANCED EDUCATIONAL PSYCHOLOGY</td>
<td>This course is a study of the principles of learning and factors that affect learning motivation. Various theoretical perspectives and research findings regarding human development, learning, and motivation are examined as these influence educational decisions and practices.</td>
</tr>
<tr>
<td>PTE 5283</td>
<td>CURRICULUM DEVELOPMENT FOR SECONDARY SCHOOLS</td>
<td>This course provides an in-depth study of the design and delivery of a school system's curriculum and instruction components. Students will study the basic constructs of curriculum, teaching and testing, enabling them to recognize and implement quality curriculum standards at the middle school and high school levels. This course will focus on the process of curriculum development, evaluation, improvement, and leadership with emphasis on the relationship between the written, taught, and tested curriculum.</td>
</tr>
<tr>
<td>PTE 5322</td>
<td>PROBLEMS OF TEACHING IN THE SECONDARY SCHOOL</td>
<td>Critical study of the principle problems of instruction in areas common to secondary schools.</td>
</tr>
<tr>
<td>PTE 5383</td>
<td>PRINCIPLES OF TESTS AND MEASUREMENTS</td>
<td>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.</td>
</tr>
<tr>
<td>PTE 5413</td>
<td>EDUCATIONAL STATISTICS</td>
<td>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.</td>
</tr>
<tr>
<td>PTE 5693</td>
<td>CURRICULUM DEVELOPMENT FOR ELEMENTARY SCHOOLS</td>
<td>This course is a study of the principles of curriculum organization in the elementary school setting. A major emphasis will be placed on curriculum development, modification, and the selection and evaluation of instructional materials.</td>
</tr>
<tr>
<td>PTE 5822</td>
<td>ADVANCED PSYCHOLOGY OF CHILDHOOD</td>
<td>This course provides an intensive study of the major theories of childhood including an overview of the relationship among child development, growth and educational/instructional practices and techniques. Emphasis in this course is upon the child in various educational settings including methods of child study.</td>
</tr>
<tr>
<td>PTE 5832</td>
<td>ADVANCED PSYCHOLOGY OF ADOLESCENCE</td>
<td>This course is study of the major theories of adolescence including an overview of the problems and characteristics of the period of adolescence. Emphasis is upon the various aspects of adolescent growth, development, and current research as these relate to educational settings, decisions, and practices.</td>
</tr>
<tr>
<td>PTE 5900</td>
<td>PRACTICUM IN TEACHER EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>PTE 5910</td>
<td>SEMINAR IN PROFESSIONAL TEACHER EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>PTE 5920</td>
<td>DIRECTED READING IN PROFESSIONAL TEACHER EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>PTE 5930</td>
<td>INDIVIDUAL STUDY IN PROFESSIONAL TEACHER EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>PTE 5940</td>
<td>SPECIAL TOPICS IN TEACHER EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
</tbody>
</table>
Graduate Course Descriptions

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

**PSY 5000 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 speakers, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted toward a master’s degree.

**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. **Prereq:** 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. **Prereq:** 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. **Prereq:** must be taken the first semester of graduate enrollment and written permission required.

**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. **Prereq:** PSY 2833 and written permission required.

**PSY 5193 EXPERIMENTAL DESIGN**
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. **Prereq:** written permission required.

**PSY 5233 PSYCHOPATHOLOGY**
A study of current diagnostic criteria for psychopathology; examination of theory regarding psychopathology and personality including biological, intrapsychic, phenomenological, behavioral, sociocultural and integrative perspectives. **Prereq:** PSY 4753 and written permission required.

**PSY 5253 PSYCHODIAGNOSTIC SURVEY**
A survey course to include examination of current methodologies for the assessment of personality functioning, ranging from structured interview to objective and projective techniques. **Prereq:** PSY 5793 or 5803, and written permission required.

**PSY 5263 LEGAL AND ETHICAL ASPECTS OF COUNSELING**
A study of the essential professional legal and ethical aspects of the counseling profession as presented in professional organization codes and current state and federal laws. **Prereq:** written permission required.

**PSY 5343 PSYCHOLOGY AS SCIENCE**
A foundation course for the general experimental psychology student which examines science as a formalized epistemological system. The course emphasizes the importance of understanding scientific reasoning for: (1) psychology as a science, and (2) the professional psychologist as a critical consumer of information. **Prereq:** written permission required.

**PSY 5383 MULTIVARIATE ANALYSES IN PSYCHOLOGY**
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 with focus on when and why each is used, familiarization of SPSS computer output for each technique and the examination of published research articles containing application of these techniques. **Prereq:** PSY 4383 or concurrent enrollment and written permission required.

**PSY 5433 THEORIES OF PERCEPTION**
Perception is the process through which living organisms, using unique and idiosyncratic sensory systems, come to know reality. Theories of perception, particularly cognitive approaches, attempt to explain interrelationships between perception, memory, and thinking with emphasis being given to language as a unique perceptual process in humans. **Prereq:** PSY 3903.

**PSY 5473 THEORIES AND TECHNIQUES OF COUNSELING**
Philosophy and theory underlying varied counseling techniques with application through preparation and critique of...
Graduate Course Descriptions

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<tbody>
<tr>
<td>PSY 5483</td>
<td>THEORIES AND TECHNIQUES OF GROUP COUNSELING</td>
<td>PSY 5473 and written permission required.</td>
</tr>
<tr>
<td>PSY 5493</td>
<td>COMPETENCY BASED COUNSELING</td>
<td>PSY 5473, 5483 and written permission required.</td>
</tr>
<tr>
<td>PSY 5553</td>
<td>MARRIAGE AND FAMILY COUNSELING THEORIES</td>
<td>PSY 5473, 5483 and written permission required.</td>
</tr>
<tr>
<td>PSY 5563</td>
<td>ADVANCED SOCIAL PSYCHOLOGY</td>
<td></td>
</tr>
<tr>
<td>PSY 5573</td>
<td>MARRIAGE AND FAMILY COUNSELING: ASSESSMENT AND INTERVENTION</td>
<td>PSY 5553 and written permission required.</td>
</tr>
<tr>
<td>PSY 5633</td>
<td>MODERN LEARNING THEORIES</td>
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</tr>
<tr>
<td>PSY 5643</td>
<td>EMPIRICAL BASIS OF THERAPY</td>
<td>PSY 4763 and written permission required.</td>
</tr>
<tr>
<td>PSY 5683</td>
<td>ADVANCED TECHNIQUES OF COUNSELING</td>
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READ-SFTY

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<tr>
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<th>Course Title</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>PSY 5722</td>
<td>INTRODUCTION TO SCHOOL PSYCHOLOGY SERVICES</td>
<td>PSY 3813 or equivalent; PSY 4383 preferred and written permission required.</td>
</tr>
<tr>
<td>PSY 5738</td>
<td>INDIVIDUAL TESTING TECHNIQUES-BINET</td>
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<tr>
<td>PSY 5753</td>
<td>ADVANCED SPSS</td>
<td></td>
</tr>
<tr>
<td>PSY 5793</td>
<td>INDIVIDUAL TESTING TECHNIQUES-BINET</td>
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<tr>
<td>PSY 5803</td>
<td>INDIVIDUAL TESTING TECHNIQUES-WECHSLER</td>
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<tr>
<td>PSY 5813</td>
<td>DIAGNOSTIC TESTING TECHNIQUES</td>
<td></td>
</tr>
<tr>
<td>PSY 5823</td>
<td>PRACTICUM IN PSYCHOLOGY</td>
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<tr>
<td>PSY 5890</td>
<td>SEMINAR IN PSYCHOLOGY</td>
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<tr>
<td>PSY 5920</td>
<td>DIRECTED READING IN PSYCHOLOGY</td>
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<tr>
<td>PSY 5930</td>
<td>INDIVIDUAL STUDY IN PSYCHOLOGY</td>
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<tr>
<td>PSY 5940</td>
<td>SPECIAL TOPICS IN PSYCHOLOGY</td>
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<tr>
<td>PSY 5950</td>
<td>INTERNSHIP IN PSYCHOLOGY</td>
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</tbody>
</table>
Graduate Course Descriptions

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 from 1 to 2 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.

**READING (READ)**
Department of Special Services, College of Education

**READ 5000 WORKSHOP IN READING**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study. Normally involves lecture, film, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted toward a master’s degree.

**READ 5023 DEVELOPMENT/CORRECTIVE 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.

**READ 5443 ADVANCED DIAGNOSTIC PRESCRIPTIVE PROCEDURES**
An in-depth study of various instruments which assess language processing/development, modality adequacy, and reading skills with suggested materials/techniques appropriate for work in those areas. Additional study will be directed to interpreting WISC-R profiles and relating them to the reading process. **Prereq:** READ 5843.

**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 AND SURVEY OF READING**

**SFTY**
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 AND SUPERVISION OF READING PROGRAMS**
Policies and techniques of planning, implementing and supervising of reading centers and programs in schools and school systems.

**READ 5833 DIAGNOSIS/INTERVENTION IN READING**
Students 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.

**READ 5843 DIAGNOSIS AND CORRECTION OF READING DISABILITIES**
An overview of the principles and procedures for diagnosing and correcting reading disabilities. Under the supervision of a reading clinician, students will work with reading disability cases in the reading clinic.

**READ 5854 CLINICAL PRACTICES IN READING**
A practicum in the reading clinic with enrollees working with disabled readers.

**READ 5854L CLINICAL PRACTICES IN READING LAB**
Lab for READ 5854. Summer sessions 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 IN READING**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**READ 5920 DIRECTED READING IN EDUCATION**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

**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 SPECIAL TOPICS IN READING**
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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**
Graduate Course Descriptions

Credit will vary from 1 to 2 hours. 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, College of Education

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.

REC 5910  SEMINAR IN RECREATION
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  SPECIAL TOPICS IN RECREATION
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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.

SAFETY (SFTY)
Department of Occupational And Technology Education, College of Education

SFTY 5000  WORKSHOP IN SAFETY 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. No more than 2 hours of workshop may be counted toward a master’s degree.

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 5053  LAB PRACTICES IN INDUSTRIAL SAFETY
This course is designed to help students recognize hazards in the workplace. Emphasis is placed on proper identification of tools, machines, machine parts, and accessories. Exercises are included for practice or writing reports, descriptions, and keeping records related to industrial safety.

SFTY-SOC

SFTY 5083  INDUSTRIAL SAFETY II
An examination of the principles of safety engineering and technology that are common and fundamental to all areas of occupational safety and health. Prereq: SFTY 3073.

SFTY 5123  INDUSTRIAL HYGIENE
This course is a study of environmental factors that occur in industry that contribute to worker illness and injury. Toxic materials, radiation, heat and noise stresses, and other concerns of the industrial hygiene discipline will be considered.

SFTY 5142  RESPIRATORY PROTECTION
A study of the anatomy and physiology of the respiratory system. Data will be presented as they relate to specific regulatory standards and management of a respiratory program. Prereq: SFTY 5152

SFTY 5152  PERSONAL PROTECTIVE EQUIPMENT
A study of the selection, use, care and maintenance of various types of personal protective equipment commonly used in industry, and an overview of the anatomy and physiology of the body organs that each type of equipment is designed to protect.

SFTY 5163  ENVIRONMENTAL SAFETY
A study of the characteristics of regulated hazardous wastes, the principles of hazardous waste management, and the OSHA regulations pertaining to the protection of workers in hazardous waste operations. Prereq: SFTY 2503.

SFTY 5173  FIRE PREVENTION, PROTECTION, AND CONTROL
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, AND PHILOSOPHY OF SAFETY EDUCATION
A study of the basic branches of philosophy as they relate to the individual’s way of life in the area of education for safe living, basic concepts of safety education, safety education objectives in a modern society. Also, the study of the basic principles of safety education, the evaluation of the safety process in making for the individual, more and better adventures.

SFTY 5213  CHEMISTRY AND TOXICOLOGY OF HAZARDOUS MATERIALS ANALYSIS
A study of the major categories of hazardous chemicals, their chemical and physical properties, and their toxicological effects on the human body. Prereq: SFTY 2503.

SFTY 5222  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. Prereq: SFTY 2343.

SFTY 5232  LIFE SAFETY CODE
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFTY 5243</td>
<td>INDUSTRIAL NOISE CONTROL</td>
<td>This course will provide an overview of the fundamentals of sound and measurements, audiogram interpretation, noise effects, noise legislation, effective hearing conservation, noise control management, and design for abatement. Attention is given to the prevention of hearing loss through engineering control and hearing conservation programs. Students will have the opportunity to analyze their own audiograms courtesy of a local safety consultation firm.</td>
</tr>
<tr>
<td>SFTY 5323</td>
<td>UNDERGROUND STORAGE TANK MANAGEMENT</td>
<td>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 the regulatory and consulting arenas, and field trip. Particular attention will be paid to regulatory requirements, environmental impacts, and remediation technologies for cleanup of spills emanating from leaking tanks.</td>
</tr>
<tr>
<td>SFTY 5333</td>
<td>STORM WATER MANAGEMENT</td>
<td>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.</td>
</tr>
<tr>
<td>SFTY 5402</td>
<td>SUPERVISION OF TRANSPORTATION</td>
<td>A study of transportation as it relates to industrial concerns, including hazardous materials, driver selection, accidents, and other safety areas.</td>
</tr>
<tr>
<td>SFTY 5412</td>
<td>HAZARD COMMUNICATION</td>
<td>Upon completion of this course, the student will be familiar with hazard and risk communication, the principles of design and delivery of hazard training programs, and the elements of an acceptable hazard communication program.</td>
</tr>
<tr>
<td>SFTY 5423</td>
<td>APPLIED ERGONOMICS</td>
<td>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.</td>
</tr>
<tr>
<td>SFTY 5433</td>
<td>OCCUPATIONAL RISK MANAGEMENT</td>
<td>This course will prepare the prospective safety manager to plan, coordinate and control activities in the workplace. Both physical risk and legal risk will be studied. Prereq: SFTY 4083.</td>
</tr>
<tr>
<td>SFTY 5443</td>
<td>ASBESTOS AND LEAD MANAGEMENT</td>
<td>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 situations while keeping personal and environmental risks within acceptable levels.</td>
</tr>
<tr>
<td>SFTY 5502</td>
<td>TRAFFIC ENGINEERING</td>
<td>This course is designed to orient the driver and safety educator to the basic characteristics and operations of the traffic engineering department; devices and techniques, signals, parking restrictions, coordination of traffic lights, channelization, redesign of intersections, utilization of reversible lanes or unbalanced flow, pedestrian controls and the use of signs and pavement markings.</td>
</tr>
<tr>
<td>SFTY 5522</td>
<td>INDUSTRIAL PROCESS SAFETY</td>
<td>An examination of industrial processes, detailing health and safety consideration. Included are processes involving industrial coating, welding, robotics, lasers, conveyors, machine tooling, injection molding, forging and stamping. Prereq: SFTY 3073.</td>
</tr>
<tr>
<td>SFTY 5613</td>
<td>PROFESSIONAL SAFETY DEVELOPMENT</td>
<td>This course is the study of ethical, legal technical, and regulatory requirements related to the professional practice of Industrial Safety. Included are the analyses of the various categories of expertise required in order to become a professionally and legally recognized practitioner of Industrial Safety.</td>
</tr>
<tr>
<td>SFTY 5920</td>
<td>DIRECTED READING IN SAFETY EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>SFTY 5920</td>
<td>SEMINAR IN SAFETY EDUCATION</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
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<tr>
<td>SOC</td>
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<td>Prereq: SFTY 3333.</td>
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<tr>
<td>SFTY 5453</td>
<td>OCCUPATIONAL RISK MANAGEMENT</td>
<td>This course will prepare the prospective safety manager to plan, coordinate and control activities in the workplace. Both physical risk and legal risk will be studied. Prereq: SFTY 4083.</td>
</tr>
<tr>
<td>SFTY 5502</td>
<td>TRAFFIC ENGINEERING</td>
<td>This course is designed to orient the driver and safety educator to the basic characteristics and operations of the traffic engineering department; devices and techniques, signals, parking restrictions, coordination of traffic lights, channelization, redesign of intersections, utilization of reversible lanes or unbalanced flow, pedestrian controls and the use of signs and pavement markings.</td>
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<tr>
<td>SFTY 5613</td>
<td>PROFESSIONAL SAFETY DEVELOPMENT</td>
<td>This course is the study of ethical, legal technical, and regulatory requirements related to the professional practice of Industrial Safety. Included are the analyses of the various categories of expertise required in order to become a professionally and legally recognized practitioner of Industrial Safety.</td>
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<td>SEMINAR IN SAFETY EDUCATION</td>
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</table>
Graduate Course Descriptions

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<tr>
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</thead>
<tbody>
<tr>
<td>SOC 5043</td>
<td>SOCIOLOGICAL STATISTICS</td>
<td>Statistical applications in sociological research are emphasized. Students learn to use traditional statistical treatments to describe sociological data and 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. <strong>Prereq:</strong> Bachelor degree in sociology or related area.</td>
</tr>
<tr>
<td>SOC 5053</td>
<td>SOCIOLOGY OF AGING</td>
<td>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. <strong>Prereq:</strong> 3 hours of sociology.</td>
</tr>
<tr>
<td>SOC 5103</td>
<td>URBAN AND RURAL COMMUNITIES</td>
<td>Principles of community organization, the general attributes of communities, the special features of folk and modern city societies developed in contrast. <strong>Prereq:</strong> 9 hours of sociology.</td>
</tr>
<tr>
<td>SOC 5233</td>
<td>HUMAN BEHAVIOR &amp; THE SOCIAL ENVIRONMENT</td>
<td>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 than 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.</td>
</tr>
<tr>
<td>SOC 5243</td>
<td>SOCIAL DEVIANCE</td>
<td>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. <strong>Prereq:</strong> SOC 2103 and 6 hours of sociology.</td>
</tr>
<tr>
<td>SOC 5403</td>
<td>SOCIAL ECOLOGY AND DEMOGRAPHY</td>
<td>An analysis of population movements and their effects on ecological and demographic factors in the society.</td>
</tr>
<tr>
<td>SOC 5443</td>
<td>SOCIAL STRATIFICATION</td>
<td>Theories of class and caste; wealth, status, and power; the American class system. <strong>Prereq:</strong> 9 hours of sociology.</td>
</tr>
<tr>
<td>SOC 5463</td>
<td>THE ABUSED</td>
<td>This course is designed to equip students preparing for work in the helping professions to identify symptoms of abuse, and other forms of trauma, and to design and carry out treatment plans specifically developed to ameliorate resultant maladaptive behavior patterns. Matters of etiology, symptomology, and treatment techniques are examined with particular emphasis on research and theory. <strong>Prereq:</strong> A graduate in the social and behavioral sciences, or in professional helping areas, and an introductory course in chemical dependency studies.</td>
</tr>
<tr>
<td>SOC 5513</td>
<td>CONTEMPORARY SOCIAL MOVEMENTS</td>
<td>A critical consideration of social problems, causes of social maladjustments, a consideration of means for the amelioration of social ills.</td>
</tr>
<tr>
<td>SOC 5573</td>
<td>SOCIOLOGY OF CHILDHOOD AND ADOLESCENCE</td>
<td>A study of the group phases of childhood, child welfare, and the sociological analysis of child and adolescence.</td>
</tr>
<tr>
<td>SOC 5633</td>
<td>SOCIAL WELFARE THEORY</td>
<td>Theory, structure and techniques of private, municipal, state, and federal welfare agencies.</td>
</tr>
<tr>
<td>SOC 5693</td>
<td>SOCIOLOGICAL THEORY</td>
<td>A study of both classical and contemporary sociological theorists. Emphasis is on understanding the biographical, social,</td>
</tr>
</tbody>
</table>
and philosophical context of theory. An understanding of how to apply various sociological perspectives is also presented. 

**Prereq:** SOC 3103 or 3633 or 4243.

**SOC 5773  SOCIOLICAL 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. **Prereq:** Undergraduate degree in sociology or related area, or any degree that utilizes scientific inquiry to explain social phenomena.

**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 IN SOCIOLOGY**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SOC 5920  DIRECTED READING IN SOCIOLOGY**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**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  SPECIAL TOPICS**

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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**

Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

**SOC 5990  THESIS**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**SPANISH (SPAN)**

Department of Modern Languages, Literatures, and Cultural Studies, College of Liberal Arts

**SPAN 5000  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. No more than 2 hours of workshop may be counted toward a master's degree.

**SPAN 5203  READINGS IN SPANISH CULTURE & CIVILIZATION**

**Prereq:** Eighteen hours of Spanish or equivalent.

**SPAN 5223  ADVANCED SPANISH GRAMMAR**

**Prereq:** Eighteen hours of Spanish or equivalent.

**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. **Prereq:** 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. **Prereq:** 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 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 four hours. **Prereq:** Eighteen hours of Spanish or equivalent.

**SPAN 5920  DIRECTED READING IN SPANISH**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. **Prereq:** 18 hours of Spanish or equivalent.

**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.

**SPAN 5940  SPECIAL TOPICS IN SPANISH**

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. 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**
Graduate Course Descriptions

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 from 1 to 2 hours. 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.

**SPEECH/LANGUAGE PATHOLOGY (SLP)**
Department of Special Services, College of Education

**SLP 5000** WORKSHOP IN SPEECH-LANGUAGE PATHOLOGY
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 toward a master's degree.

**SLP 5013** FOUNDATIONS OF SPEECH-LANGUAGE PATHOLOGY
A survey of the principles, concepts and terminology fundamental to the professions of speech-language pathology and audiology.

**SLP 5023** FLUENCY DISORDERS
A detailed examination of the nature and definition of fluency disorders (stuttering and cluttering). Theories regarding etiology and their implications for evaluation and management of fluency disorders are studied. **Prereq:** SLP 4713.

**SLP 5113** SPEECH AND HEARING SCIENCE
Advanced study of physical and physiological aspects of speech production and reception. Includes analysis of acoustic signals and speech synthesis. **Prereq:** Permission required.

**SLP 5232** COMMUNICATION DISORDERS IN INFANTS/TODDLERS
In-depth examination of high-risk infant/toddler development and implications for speech-language development. Includes 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. **Prereq:** Permission required.

**SLP 5243** DIAGNOSTIC METHODS IN SPEECH-LANGUAGE PATHOLOGY
Detailed study of diagnostic tools and techniques specifically related to speech and language disorders. Students will be expected to demonstrate competency with the various tests that are studied.

**SLP 5252** ADVANCED NORMAL LANGUAGE DEVELOPMENT
A detailed examination of the theories of language development, and the associated behavioral, cognitive and social factors. Specific emphasis on analysis and coding of morphologic, syntactic, semantic and pragmatic features in the language of children and adolescents. **Prereq:** Permission required.

**SLP 5262** ADVANCED LANGUAGE DISORDERS
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. Includes detailed study of various procedures for language intervention. **Prereq:** written permission required.

**SLP 5282** ADVANCED ARTICULATION DISORDERS
An in-depth study of the principles and procedures for assessment and remediation of articulation and phonological disorders. **Prereq:** Permission required.

**SLP 5292** APHASIA II
A detailed study of the procedures for evaluation and management of neurogenic communication disorders including the aphasias, dysarthria, apraxia, and dementia. **Prereq:** SLP 5363, permission required.

**SLP 5302** AUGMENTATIVE COMMUNICATION
Lecture series and independent study of the selection and use of augmentative and alternative systems of communication with severely communicatively handicapped individuals. **Prereq:** written permission required.

**SLP 5314** LANGUAGE DISORDERS
Detailed study of the nature of language disorders in children and adolescents, including etiologies, classification, assessment and management. Specific emphasis includes principles and procedures for application of standardized test instruments, language sampling and analysis, informal assessment and developing intervention strategies. **Prereq:** Permission required.

**SLP 5323** VOICE DISORDERS
A study of the evaluation and management approaches for persons who have various vocal disorders. In depth study of anatomy and neurophysiology of vocal mechanism and various disorders. Includes assessment and remediation techniques for hyper- and hypofunctional problems, neurogenic disorders and laryngectomy. **Prereq:** Permission required.

**SLP 5332** LEGAL ASPECTS OF SPEECH-LANGUAGE PATHOLOGY
Lecture series concerning the legal implications of engaging in the practice of Speech-Language Pathology. Includes ethical bases of the profession and federal, state and common law requirements for both the private and public practitioner. **Prereq:** 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. **Prereq:** written permission required.

**SLP 5352** CLEFT PALATE
Examination of the anatomy, embryology, and etiology and classification of clefts of the lip palate. Emphasis on the evaluation of the effects of cleft palate on speech and the management of cleft palate speech. **Prereq:** Permission required.
**Graduate Course Descriptions**

**SLP 5363 APHASIA I**  
A detailed study of the neurological/physiological basis and the procedures for evaluation and management of neurogenic communication disorders, including aphasias, dysarthrias, and apraxia. **Prereq:** Permission required.

**SLP 5713 CLINICAL METHODS IN SPEECH-LANGUAGE PATHOLOGY**  
This course examines the clinical foundations of speech-language pathology. Principles and procedures for the evaluation and management of communication disorders are studied. Methods for obtaining and analyzing behavioral data for clinical and research applications are examined in detail. **Prereq:** SLP 4054, 4673.

**SLP 5900 PRACTICUM IN SPEECH-LANGUAGE PATHOLOGY**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 5910 SEMINAR IN SPEECH-LANGUAGE PATHOLOGY**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 5920 DIRECTED READING IN SPEECH-LANGUAGE PATHOLOGY**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 5930 INDIVIDUAL STUDY IN SPEECH-LANGUAGE PATHOLOGY**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SLP 5940 SPECIAL TOPICS IN SPEECH-LANGUAGE PATHOLOGY**  
Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

**SLP 5950 INTERNSHIP IN SPEECH-LANGUAGE PATHOLOGY**  
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 IN SPEECH-LANGUAGE PATHOLOGY**  
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 from 1 to 2 hours. 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.

**SPECIAL EDUCATION (SPED)**  
Department of Special Services, College of Education

**SPED 5000 WORKSHOP IN SPECIAL 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. No more than 2 hours of workshop may be counted toward a master’s degree.

**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. **Prereq:** SPED 4123

**SPED 5123 THEORIES AND TECHNIQUES FOR THE EXCEPTIONAL INDIVIDUAL**  
A study of the learning, behavioral, and emotional characteristics of exceptional students. Included is the role of the general and special educator in meeting needs of individuals with various disabilities through different curriculum and instructional strategies.

**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. **Prereq:** SPED 4123.

**SPED 5242 FOUNDATIONS OF MILD-MODERATE DISABILITIES**  
This course is designed to assist students in developing proficiency in recognizing characteristics of the Early Child with Disabilities, Learning Disabled, Emotionally Disturbed, and Mentally Challenged student at the mild and moderate levels. Characteristics to be explored include motor, emotional, cognitive, social, health impairments, and behavioral. In addition, common causes and the effects of each characteristic will be explored. **Prereq:** SPED 4123.

**SPED 5252 FOUNDATIONS OF SEVERE-PROFOUND DISABILITIES**  
The course explores the various definitions of severe disabilities and describes the influence that these definitions have on the design of educational and community service programs. This course reviews the history of this population, discusses the role of families, friends, society, critical issues, ethical framework and educational issues. **Prereq:** SPED 4123.

**SPED 5303 ASSESSING THE EXCEPTIONAL INDIVIDUAL**  
Principles and guidance will be discussed as it applies to the educational needs of children with exceptionalities. A survey of educational and psychological educational evaluation instruments will be explored as used in the referral, assessment and placement of children with exceptionalities. Emphasis will be based upon a unified team approach of differential diagnosis and treatment including state and federal mandates.

**SPED 5402 PROGRAM DEVELOPMENT & ADMINIS-**
Graduate Course Descriptions

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<td>SPED 5443</td>
<td>BEHAVIOR CLASSROOM MANAGEMENT</td>
<td>The development of principles and procedures of behavioral change within the conceptual framework of social learning theory. The course emphasizes practical application of behavioral modification techniques in everyday settings and situations. Variations discussed include the training of parents and teachers to work with children, the introduction of token learning principles into the home and school, and modification of peer and supervisor behavior. <strong>Prereq:</strong> SPED 4123 or 5123.</td>
</tr>
<tr>
<td>SPED 5452</td>
<td>CURRICULUM MODIFICATION/ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION</td>
<td>This course will provide an overview of the instructional assistive, independent-living, and rehabilitation technology designed and adapted for exceptional individuals. The emphasis of this course is on practical applied applications of technology and curriculum modification as used in helping the exceptional student gain independence in learning, communicating, and integrating into society. <strong>Prereq:</strong> SPED 4123 or 5123.</td>
</tr>
<tr>
<td>SPED 5552</td>
<td>SECONDARY SPECIAL EDUCATION</td>
<td>Special class organization, curriculum adjustments and introduction to methods and techniques of teaching junior and senior high school special education students. The goals and purposes of work study programs including the cooperative role between special education, vocational education, and vocational rehabilitation will be given special emphasis. <strong>Prereq:</strong> SPED 4123 or 5123.</td>
</tr>
<tr>
<td>SPED 5653</td>
<td>PROCEDURES FOR MILD-MODERATE LEARNING DISABILITIES</td>
<td>A study of characteristics, identification, evaluation, program options, and learning procedures for individuals who are normal or near normal in intelligence but experience a lack of academic achievement because of characteristics consistent with central nervous system dysfunction. Diagnosis and remediation of disorders in reading, written expression, reasoning, listening, speaking, and mathematical abilities will be addressed. <strong>Prereq:</strong> SPED 4123 or 5123.</td>
</tr>
<tr>
<td>SPED 5693</td>
<td>PROCEDURES FOR SEVERE-PROFOUND PHYSICAL HEALTH DISABILITIES</td>
<td>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. <strong>Prereq:</strong> SPED 4123 or 5123.</td>
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Family Service Plan, assessment, collaborative planning implementation, evaluation, functional assessment to develop effective behavior support. Related services, health care, mobility issues, communication, personal care, life issues-adolescence to adulthood. Cultural issues will be discussed in each area as well as individual. \textit{Prereq:} SPED 4123 or 5123.

\textbf{SPED 5900} \textbf{PRACTICUM IN SPECIAL EDUCATION}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5910} \textbf{SEMINAR IN SPECIAL EDUCATION}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5920} \textbf{DIRECTED READING IN SPECIAL EDUCATION}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5930} \textbf{INDIVIDUAL STUDY IN SPECIAL EDUCATION}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5940} \textbf{SPECIAL TOPICS IN SPECIAL EDUCATION}

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

\textbf{SPED 5950} \textbf{INTERNSHIP IN SPECIAL EDUCATION}

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5960} \textbf{INSTITUTE IN SPECIAL EDUCATION}

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5970} \textbf{STUDY TOUR}

Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

\textbf{SPED 5990} \textbf{THESIS}

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

\textbf{STATISTICS (STAT)}

Department of Mathematics and Statistics, College of Mathematics and Science

\textbf{STAT 5000} \textbf{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. No more than 2 hours of workshop may be counted toward a master’s degree.

\textbf{STAT 5103} \textbf{STATISTICAL METHODS II}

This course will introduce basic concepts of experiments and experimental error, analysis of variance of one-, two-, and three-way classification, and nonparametric statistics. \textit{Prereq:} STAT 3103.

\textbf{STAT 5123} \textbf{MATHEMATICAL STATISTICS II}

This course will introduce and investigate the central limit theorem, distribution about the mean, Student's t, chi-squared, and Snedecor's F-distributions, point and interval estimation, hypothesis testing, regression and correlation analysis, and analysis of variance. \textit{Prereq:} STAT 4113.

\textbf{STAT 5213} \textbf{STATISTICAL METHODS III}

Topics for this course include multiple regression, logistic regression, log linear models, survival analysis, and analysis of covariance. Data will be analyzed using SAS.

\textbf{STAT 5253} \textbf{QUALITY CONTROL}

Random sample, frequency distributions of sample data, sampling distribution of a proportion and other sampling distributions. Sampling acceptance plans, rectifying inspection. The general theory of control charts. \textit{Prereq:} STAT 4113 or 5113 and STAT 4303.

\textbf{STAT 5303} \textbf{NON-PARAMETRIC STATISTICS}

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, the Cochran Q test, etc. \textit{Prereq:} STAT 3103 or 4113 or 5113

\textbf{STAT 5353} \textbf{PROBABILITY THEORY}

This course provides the student with a thorough treatment of the mathematical structure and application of probability. Topics include principles of combinations, 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. \textit{Prereq:} STAT 4113 and minimum “C” required.

\textbf{STAT 5423} \textbf{DATA FITTING}

Data fitting to a linear equation, a polynomial, an orthogonal polynomial, an exponential growth curve. Piecewise polygonal fitting. \textit{Prereq:} CMSC 1613 and STAT 3103.

\textbf{STAT 5900} \textbf{PRACTICUM IN STATISTICS}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

\textbf{STAT 5910} \textbf{SEMINAR IN STATISTICS}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

\textbf{STAT 5920} \textbf{DIRECTED READING IN STATISTICS}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

\textbf{STAT 5930} \textbf{INDIVIDUAL STUDY IN STATISTICS}

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

\textbf{STAT 5940} \textbf{SPECIAL TOPICS IN STATISTICS}

Credit will vary from 1 to 4 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department’s field of study.

\textbf{STAT 5950} \textbf{INTERNSHIP IN STATISTICS}

Credit will vary from 1 to 8 hours. Subject matter will vary
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<td>INSTITUTE IN STATISTICS</td>
<td>Credit will vary from 1 to 8 hours. Subject matter will vary within the department’s field of study.</td>
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<tr>
<td>STAT 5970</td>
<td>STUDY TOUR</td>
<td>Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td>STAT 5980</td>
<td>GRAD PROJECT IN STATISTICS</td>
<td>A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. Permission of instructor required.</td>
</tr>
<tr>
<td>STAT 5990</td>
<td>THESIS</td>
<td>Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.</td>
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SUBSTANCE ABUSE STUDIES (SAS)

Department of Sociology, Criminal Justice, & Substance Abuse Studies, College of Liberal Arts

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<td>WORKSHOP IN SUBSTANCE ABUSE STUDIES</td>
<td>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 &quot;P&quot; or &quot;F&quot; is given. No more than 2 hours of workshop may be counted toward a master’s degree.</td>
</tr>
<tr>
<td>SAS 5273</td>
<td>SUBSTANCE ABUSE AND THE FAMILY</td>
<td>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. <strong>Prereq:</strong> 12 undergraduate semester hours in sociology and/or psychology, or permission of instructor.</td>
</tr>
<tr>
<td>SAS 5303</td>
<td>SUBSTANCE ABUSE IN SPECIAL POPULATIONS</td>
<td>This course addresses various sociocultural 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.</td>
</tr>
<tr>
<td>SAS 5333</td>
<td>ADVANCED COUNSELING SKILLS IN SUBSTANCE ABUSE</td>
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Graduate Course Descriptions

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.

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<th>Description</th>
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<tr>
<td><strong>TESL 5000</strong></td>
<td><strong>WORKSHOP IN TEACHING ENGLISH AS A SECOND LANGUAGE</strong></td>
<td>Department of Curriculum And Instruction, College of Education</td>
<td>1-4</td>
<td>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 toward a master’s degree.</td>
</tr>
<tr>
<td><strong>TESL 5123</strong></td>
<td><strong>FOUNDATIONS OF BILINGUAL/MULTICULTURAL EDUCATION</strong></td>
<td>Department of Curriculum And Instruction, College of Education</td>
<td>1-4</td>
<td>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. Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td><strong>TESL 5133</strong></td>
<td><strong>METHODS AND MATERIALS FOR BILINGUAL INSTRUCTION</strong></td>
<td>Department of Curriculum And Instruction, College of Education</td>
<td>1-4</td>
<td>This course is designed to provide knowledge of current trends, methods, strategies and resources related to instructional issues and practices in bilingual settings. Upon completion, students will demonstrate proficiency in designing and adapting curriculum materials for bilingual classrooms, and planning and implementing bilingual instruction. Prereq: permission required.</td>
</tr>
<tr>
<td><strong>TESL 5143</strong></td>
<td><strong>TEACHING READING TO ENGLISH LANGUAGE LEARNERS</strong></td>
<td>Department of Curriculum And Instruction, College of Education</td>
<td>1-4</td>
<td>This course will examine the basic considerations for teaching reading to limited English speakers. Topics will include: the role and importance of literacy, assessment, readiness, language comprehension/skills development, and instructional materials, strategies and resources. Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td><strong>TESL 5163</strong></td>
<td><strong>ESL IN CONTENT AREAS</strong></td>
<td>Department of Curriculum And Instruction, College of Education</td>
<td>1-4</td>
<td>This course will provide a rationale for cultural and linguistic considerations in content area instruction for students who are limited English proficient. Different approaches and specific techniques for teaching English as a second language in content areas will be examined, specifically in social studies, science, and math. Upon completion, students will demonstrate an ability to design curriculum which integrate content area processes and ESL methodology. Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
<tr>
<td><strong>TESL 5213</strong></td>
<td><strong>CULTURAL/LINGUISTIC DIVERSITY IN SCHOOL</strong></td>
<td>Department of Curriculum And Instruction, College of Education</td>
<td>1-4</td>
<td>This course will examine the influence of cultural and linguistic diversity in the classroom on learning styles, behavior patterns and instructional content. Theoretical and practical considerations for synthesizing multicultural curriculum design with language and concept development will be explored. Upon completion students will be able to utilize techniques and strategies that promote cross-cultural awareness and understanding and academic achievement for all students in multilingual, multicultural classrooms. Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.</td>
</tr>
</tbody>
</table>
experience gained in a professional field by an advanced or graduate student.  

TESL 5960  INSTITUTE IN TEACHING ENGLISH AS A SECOND LANGUAGE  
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 from 1 to 2 hours. 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, Dance, and Media Arts, College of Arts, Media & Design  

THRT 5000  WORKSHOP IN THEATRE ARTS  
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 toward a master’s degree.  

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 plays and viewing movie interpretations will serve as a base for analysis. lectures, discussion and an in-depth research project and oral presentation.  

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 world.  

THRT 5353  HISTORY OF THEATRE: BEGINNING - 1660  
This course provides the student with a comprehensive survey of the development, important issues, prominent artists, and pivotal events in the history of the Theatre from its beginning to 1660. Students will conduct independent exploration into selected aspects of theatrical development.  

THRT 5363  HISTORY OF THEATRE: 1660 TO 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 to the present. Students will conduct independent exploration into selected aspects of theatrical development.  

THRT 5713  PLAY PRODUCTION  
This course is a study of the techniques and philosophies of directing plays in the contemporary theater 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.  

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 IN THEATRE ARTS  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.  

THRT 5920  DIRECTED READING IN THEATRE ARTS  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.  

THRT 5930  INDIVIDUAL STUDY IN THEATRE ARTS  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.  

THRT 5940  SPECIAL TOPICS IN THEATRE ARTS  
Credit will vary from 1 to 4 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 from 1 to 2 hours. 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.
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