From 1948 to 1976, Dr. Joe C. Jackson served this institution—known as Central State College until 1972, then Central State University—with distinction and dedication as Chief Academic Officer and Professor of History and Geography.

It was on Dr. Jackson’s watch in 1954 that the seeds of the Graduate College were sown, with Dr. E. C. Hall serving as the first Graduate Dean.

During the 25 years Dr. Jackson served as Vice President for Academic Affairs, he established the philosophical and educational foundations for graduate education at this university, and for what became the College of Graduate Studies and Research at UCO.

At a Reception and Dedication on April 24, 2002, the college was named the Dr. Joe C. Jackson College of Graduate Studies and Research.
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Graduate Programs and Advisors

College of Arts, Media & Design

Master of Fine Arts (M.F.A.)
Design, Interior Design -1600
Ms. Laci Hensley
Evans 2, 974-5770, lhensley@ucok.edu

Master of Music (M.M.)
Music -1610
Dr. Ron Manning
Music 206, 974-5758, rmanning@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.)

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

Early Childhood Education-3630
(A-K) Dr. Paulette Shreck
CL 146, 974-5138, pshreck@ucok.edu
(L-Z) Dr. Janice Johnson
CL142, 974-5129, jjohnson@ucok.edu

Education Guidance & Counseling-3610
Dr. Jerry Chandler
CL128, 974-5290, jchandler@ucok.edu
or Dr. Patti Buxton
CL 133, 974-5446, pking@ucok.edu

Educational Administration -3600
Dr. Joann McCarthy
CL149, 974-5448, jmccarthy@ucok.edu
or Dr. Sheldon Buxton
CL125, 974-5663, sbuxton@ucok.edu

General Education -3700
Dr. Candy Sebert
HE202, 974-5780, csebert@ucok.edu

College of Education, continued

Bilingual Education/TESL - 3702
Dr. April Haulman
CL144, 974-513, ahaulman@ucok.edu

Secondary Education -3701
Dr. Malinda Green
CL315, 974-2107, mgreen@ucok.edu

Elementary Education -3640
Dr. Doug Sprung
CL141, 974-5132, dsprung@ucok.edu
or Dr. Bonny Ford
CL143, 974-5135, bford@ucok.edu

Instructional Media
APPLIED TECHNOLOGY -3621
LIBRARY INFORMATION -3620
Dr. Jill Rooker
CL129, 974-5885, jrooker@ucok.edu

Professional Health Occupations-3690
Dr. Karen Barnes
HE200E, 974-5334, kbarnes@ucok.edu

Reading -3740
Dr. Mary Monfort
CL315, 974-5711, mmonfort@ucok.edu

Special Education
MILD-MODERATE -3721
(A-L) Dr. Ed Collins
CL315, 974-5269, ecollins@ucok.edu
(J-R) Dr. Donna Kearns
CL315, 974-5285, dkearns@ucok.edu
(S-Z) Dr. Terry Spigner
CL315, 974-348, tspigner@ucok.edu

SEVERE-PROFOUND -3722
Dr. C. Myles-Nixon
CL 315, 974-5281, cmyn@ucok.edu

Master of Arts (M.A.)

Psychology
COUNSELING -3710
Psychology Department
ED307, 974-5707

GENERAL EXPERIMENTAL -3711
Psychology Department
ED307, 974-5707

SCHOOL PSYCHOLOGY -3712
Dr. Peggy Kerr
ED307, 974-5477, pkerr@ucok.edu
Graduate Programs and Advisors

College of Education, continued

Master of Science (M.S.)

Family and Child Studies -3650
Dr. Kaye Sears
HE100D, 974-5786, ksears@ucok.edu

Nutrition-Food Management-3660
Dr. Marilyn Waters
HE100B, 974-5805, mwaters@ucok.edu

Speech/Language Pathology-3730
Dr. Scott McLaughlin
CL315, 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
ED207, 974-5710, bdeering@ucok.edu

School Psychologist or
School Psychometrist
Dr. Peggy Kerr
ED307P, 974-5477, pkerr@ucok.edu

Education non-degree code -3999

College of Liberal Arts

Master of Arts (M.A.)

Criminal Justice -5630
Dr. Sid Brown
LA 201D, 974-5271, sibrown@ucok.edu

English
Composition -5600
Contemporary Literature-5601
Creative Writing -5602
Teaching English as a Second Language-5603
Traditional Studies -5604
Dr. Amy Carrell
LA203B, 974-5609, acarrell@ucok.edu

History
General -5610
Museum Studies -5611
Social Studies Teaching-5612
Dr. Carolyn Pool
LA202H, 974-5671, cpool@ucok.edu

6 Master’s Degrees, 23 areas, 47 options

College of Liberal Arts, continued

Political Science

General -5620
International Relations -5621
Public Affairs -5622
Dr. Jan Hardt
LA104E, 974-5840, jhardt@ucok.edu

Liberal Arts non-degree code-5999

College of Mathematics & Science

Master of Science (M.S.)

Applied Mathematical Science
Computing Science-6620
Mathematics-6621
Statistics-6622
Math/Computing Science Teaching-6623
Dr. Dan Endres
MCS150/108
974-5942, dendres@ucok.edu

Biology-6600
Dr. Peggy Guthrie
H200H, 974-5773, pguthrie@ucok.edu

Forensic Science
Criminalistics-6610
Nursing-6611
Technical Investigations-6612
Dr. Fred Grosz (thru May 31, 2002)
Dr. Robert Bost
H 118D, 974-5519, rbost@ucok.edu

Industrial & Applied Physics-6630
Dr. Weldon Wilson
H221, 974-5470, wwilson@ucok.edu

Math & Science non-degree code-6999
History of the Dr. Joe C. Jackson College of Graduate Studies & Research

In 1954, UCO's graduate program began when the Oklahoma State Regents for Higher Education gave permission to offer the Master of Teaching Degree (changed to Master of Education in 1969). The first meeting of the Fifth Year Council (later to be known as the Graduate Council) was February 18, 1954 with Dr. W. Max Chambers presiding. Dr. E. C. Hall was designated as Director of the program.

Dr. E. C. Hall guided the graduate college from 1954 to 1970. Upon his retirement in 1970, Dr. Bill E. Fisher became Graduate Dean and served until 1984. After his retirement, Dr. John Michael Knight became Dean of the Graduate College and served through 1985. Dr. Knight returned to the classroom and was replaced by Dr. Paul Lehman, who served until 1988, when he also returned to the classroom. Dr. George Avellano served as Dean until 1996.

The position of Assistant Graduate Dean was established in 1992, under Dr. Avellano. The new Assistant Graduate Dean, Dr. S. Narasinga Rao, was to assume primary responsibility for the enhancement of campus research.

In 1996, Dr. Avellano was replaced by Dr. Fred Grosz, who agreed to become interim graduate dean until a permanent dean took the reins. Dr. Clyde Jacob became Graduate Dean in 1998, and served until July, 2000, when he left to assume responsibility for special projects in the Office of Academic Affairs.

Dr. S. Narasinga Rao, Dean of Sponsored Research and Grants, became the Dean of the College of Graduate Studies and Research in 2000. Dr. William Radke assumed the post of Assistant Dean of the College. On April 24, 2002, the college was renamed to The Dr. Joe C. Jackson College of Graduate Studies & Research. The College administers six master's degrees, with 23 programs and 47 options. The college is located in Room 404, Nichols University Center.

Belief Statement

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

Specifics of the mission:

In its research mission the CGS&R 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 CGS&R 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 CGS&R 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 Past Presidents

Oklahoma State Regents for Higher Education

Dr. Hans Brisch, Chancellor
Bill W. Burgess, Jr. .................................Lawton
Joe L. Mayer, Chairman ...........................Guymon
Leonard J. Eaton, Jr. ................................Tulsa
Carl R. Renfro, Vice Chair ........................Ponca City
Joseph E. "Joe" Cappy ...............................Tulsa
Marlin "Ike" Glass, Jr., Secretary ..................Newkirk
Cheryl Hunter .......................................Edmond
James D. "Jimmy" Harrel, Asst. Sec. ..........Leedey
John Massey .........................................Durant

Board of Regents of Oklahoma Colleges

Dr. Sandy Garrett, (ex officio) ...............................Tulsa
State Supt. of Public Instruction
Marseda Garrison......................................Elk City
Dr. Bette Leone, Executive Director
Michael Thompson ....................................Shawnee
Janice Gordon, Chairman ..........................Broken Arrow
Richard Ryerson .....................................Alva
Steve Poag ............................................Chickasha
Ann Halloway .......................................Ardmore

College and University Presidents

Richard Thatcher .................................1891 - 1893
Belva Howard ........................................Tulsa
George W. Winans .................................1893 - 1894
Marseda Garrison ..................................Elk City
E.R. Williams .......................................1894 - 1895
Michael Thompson ...............................Shawnee
E.D. Murdaugh ......................................1895 - 1901
Richard Ryerson ....................................Alva
F.H. Umholtz .......................................1901 - 1906
Ann Halloway .......................................Ardmore
T.W. Butcher .......................................1906 - 1908
Mark Stansberry ....................................Edmond
James A. McLaughlin .........................1908 - 1911

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, Dr. Joe C. Jackson College of Graduate Studies & Research
William J. Radke, Ph.D...........................................................................Assistant Dean,
Dr. Joe C. Jackson College of Graduate Studies & Research
Christopher Markwood, Ph.D......................................Dean, College of Arts, Media & Design
Karen Carter, Ph.D........................................Assistant Dean, College of Arts, Media & Design
Thomas E. Boyt, Ph.D........................................................................Assistant 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........................................Assistant Dean, College of Liberal Arts
William Caire, Ph.D..............................................................Dean, College of Mathematics & Science
Melinda Henderson, Ed.D.................................Assistant Dean, College of Mathematics & Science
Bonnie McNeely, Ph.D................................................Executive Director, Max Chambers Library

Graduate Council

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

Admissions & Retention Committee

Dr. William Hommel
Dr. Anne Gleason
Dr. Jill Rooker
Dr. Jere Roberson
Dr. Olivia Hanson
Dr. Brent Wendling

Membership Committee

Ms. Gayle Singer
Dr. Warren Dickson
Dr. Marilyn Waters
Dr. Carolyn Pool
Dr. Riaz Ahmad
Dr. William Radke

Curriculum Committee

Dr. Jim Watson
Dr. Bambi Hora
Dr. Paulette Shreck
Dr. James Mock
Dr. David Bridge
Dr. Tana Stufflebean*
Dr. Amy Carrell

Ex officio:
Dr. Ed Cunliff, Liaison for Academic Affairs
Fritz Buckallew, Liaison for University Libraries
Dr. Joanne Necco, Liaison for AAUP

*Faculty Senate Rep.
Department Chairs

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

College of Business Administration
Accounting ..................................................... Dr. Lorren Beavers
Economics .................................................... Dr. Joseph Johnson
Finance ......................................................... Dr. Randal Ice
General Business ......................................... Dr. Larry Foster
Information Systems and Operations Management .. Dr. Saba Bahouth
Management ................................................ Dr. K. J. Tullis
Marketing ...................................................... Dr. Stacia Wert-Grey
Military Science ............................................. Major Talbot Flowers

College of Education
Advanced Professional Services .................. Dr. Joanne McCarthy
Curriculum & Instruction ............................ Dr. Lola Davis
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. Joan Luxenburger

College of Mathematics and Science
Biology ......................................................... Dr. Peggy Guthrie
Chemistry ..................................................... Dr. James Dechter
Computing Science ..................................... Dr. Bill McDaniel
Funeral Service .......................................... Dr. Kenneth Curl
Mathematics & Statistics ............................. Dr. Charles Cooper
Nursing ....................................................... Dr. Patricia LaGrow
Physics and Engineering ............................ Dr. Ronald Miller
Introduction to UCO
Introduction to UCO

Accreditation

The University of Central Oklahoma is accredited by 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 Educational Standards Board 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 may be 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 front cover of this catalog, for building locations.

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.

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, Multimedia Presentation lab, Art Building, Room 107; College of Business Administration, Business Building, Rooms 109 and 111;

Accreditation – Family Education Rights

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 background degree(s) held and dates of attendance at UCO, enrollment status (full time, half time, or less than half time).

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, UC 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.
Introduction to UCO

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 University Center. A full-time staff is available to assist students needing further information. Call (405) 974-3334, or FAX (405) 340-7658.

Financial Aid for Graduate Students

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 (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 un-
## Introduction to UCO

dergraduate 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 Need and Determination

Need is determined by evaluating the information on the aid application. Factors such as income, assets and benefits are all considered in determining the need for aid.

### 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. The priority deadline for UCO is March 31. This means students must send federal applications to the federal processor at least ten days prior to the March 20 deadline to allow time for the processing and the return of the results. If the student is an Oklahoma resident, in order to be considered for the Oklahoma Tuition Aid Grant, he should apply before April 30. If the student misses the April 30 priority deadline, he may lose OTAG consideration.

**All Students must reapply for financial aid each school year.**

For financial aid purposes, an academic year begins with the fall session and ends with the summer session.

Applicants will complete the Scholarship Application, available through the Prospective Student Services Office on April 1, each year, or on the website at [http://www.ucok.edu/html/scholarships.html](http://www.ucok.edu/html/scholarships.html).

The following information and forms are used as part of the application process:

### 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, FUSL, 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.

## Financial Aid

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 postsecondary 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.

<table>
<thead>
<tr>
<th>Enrollment Status</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time (9 or more hours)</td>
<td>9 hours</td>
</tr>
<tr>
<td>Part-time (5 - 8 hours)</td>
<td>5 hours</td>
</tr>
</tbody>
</table>

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 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.

**Costs**
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 and fees, room and board, transportation, books, and miscellaneous needs. The allowance for room and board may vary depending on where you live while enrolled. The tuition allowance will be based upon your enrollment status (full, three-quarter, or part-time).

**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.

**Information Technology**
The Office of Information Technology directs the departments of Computing Services, Consulting, and Telecommunications to offer services 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.

**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.

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 bor-
rower 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 halftime 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, UC, 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学生 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

Financial Aid

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. More information can be secured from the Student Loan Collections Office.

Scholarships
The Scholarship application deadline is March 1. There is one General Academic Scholarship Application, which can be found in the UCO Scholarship Guide or on the website at http://www.ucok.edu/html/scholarships.

Scholarships are awarded on the basis of academic achievement, extracurricular activities, financial need, leadership, and citizenship.

For additional scholarship information or to obtain a UCO Scholarship Application contact the Prospective Student Services/Scholarship Office, UC 136, at (405) 974-2727.

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

UCO Foundation Scholarships
The UCO Foundation funds approximately 350 scholarships each academic year. Scholarship amounts vary from $250 - $5,000 per year. To apply for UCO Foundation Scholarships, complete the UCO’s General Scholarship Application. Additional information is available in the UCO Scholarship Guide, available in the Prospective Student Services/Scholarship office at (405) 974-2727, or on the website at http://www.ucok.edu/html/scholarships.html.

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 complexes consist 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
Introduction to UCO

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 services. 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 University Center.

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

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.

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 sponsored 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.

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.

Grading System – Living Accommodations

Edmond offers shopping centers, theaters, bowling alleys, several public golf courses, public swimming pools, recreational areas, YMCA, Lake Arcadia, and many excellent restaurants, as well as collaborative cultural programs with UCO.

Edmond is five miles north of the Oklahoma City end of the Turner Turnpike, on Interstate 35. I-235, commonly called the Broadway Extension, connects the University to Oklahoma City, only minutes away.

Parking

All students who plan to park their vehicles on campus must have a parking permit. You must have your current License Plate number to purchase your parking permit. Students may purchase permits annually or on a semester basis. Students may purchase the parking permit from the Parking Services Office, located in the University Center, Room 309.

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 Student Services/Scholarships at (405) 974-2727.

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.

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 dur-
University of Central Oklahoma

Introduction to UCO

I.D. Cards

Student Services

...ing any stage of the writing process: brainstorming, out-

lining, rough and final drafts, and revisions.

The Academic Support Center also offers other ser-

vices 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 Ser-

vices, Room 402, University Center, is designed to aid

students in coping more effectively with academic, career

and personal concerns. Services available include: per-

sonal 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 commit-

ment to meet the special needs of its students of color

(African American, American Indian, Asian American,

Hispanic American). Services and programs are coordi-

nated through the Office of Multicultural Student Services.

The primary goals of Multicultural Student Services

are to be active in the recruitment, retention, and gradu-

ation of UCO students and to remain in compliance with

the University’s Social Justice Plan.

The program design includes peer counseling, pro-

fessional 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

cultures, and act as a liaison between university admin-

istration and the ethnic minority student populations.

A professional and student staff are available for con-

sultation and assistance. Multicultural Student Services, a

division of Student Services, is located in the 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 pro-

viding students with disabilities access to equal educa-

tional 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 ser-

vices. Reasonable accommodations are based on the

individual needs of the student.

The Equity/Affirmative Action Office can assist the stu-

dent 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 Ad-

ministration Building, Room 210, or at (405) 974-2573.

Official Transcripts Free of Charge

Kiosk technology is provided via OneNet in higher

education institutions throughout the state. At the kiosks,

students may print official transcripts free of charge, ob-

tain information about transferability of courses, deter-

mine availability of course offerings, and access other

student services.

Veteran Assistance

UCO maintains a full-time Veterans Affairs Office in

Room 121B of the University Center. The phone number

is 405-974-2578. The staff can assist students in com-

pleting 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
Application through the College of Graduate Studies and Research (CGS&R)

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

To apply for admission, the following must be submitted:
1. UCO Application for Graduate Admission form.
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. $15.00 application fee, (paid at the Bursar’s office, first floor, University Center, unless paid within the last 4 years).

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

In order to be admitted to the graduate program of the student’s choice, the student must meet with the Graduate Advisor for the Program (listed on page 5), and submit a signed Recommendation for Admission to the CGS&R. (available on the website)

Students with GPA deficiencies may take additional undergraduate courses to raise the undergraduate grade point average to meet the program admission criteria.

Admission to Graduate Studies

A. Apply for admission to the CGS&R, Room 404.
B. Students seeking a master’s degree should meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R 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 CGS&R before completion of the first semester.
E. Students seeking to enroll as non-degree candidates must qualify with a 2.50 GPA overall or a 2.75 GPA in the last 60 hours attempted in undergraduate and graduate courses. Only U.S. citizens or permanent resident can enroll as a non-degree students.

A student may be admitted to the College of Graduate Studies and Research (CGS&R) as a non-degree candidate pending results of any admission examina-

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 CGS&R, 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.
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 in which the student is continuously enrolled.

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 two or more years 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 CGS&R. All on-campus courses, workshops, intersessions, 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.

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

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 University Center.

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 CGS&R uses the following schedule when determining full time, three-quarter time, or one-half time graduate student status:

**Full time:**
- Spring & Fall semesters: 9 graduate hours
- Summer semester: 5 graduate hours

**Three-quarter time:**
- Spring & Fall semesters: 6 to 8 graduate hours
- Summer semester: 3 to 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 Dean of the CGS&R.

Grading System

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

| Grades used in calculating Grade Point Average (GPA) |
|------------------|--------------|
| GRADE | NOTE          | POINTS per HOUR |
| A | Excellent | 4 |
| B | Good | 3 |
| C | Average | 2 |
| D | Below Average | 1 |
| F | Failure | 0 |

**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.
- AUDIT—when students formally audit classes.
- AUD-U—when a student enrolled for audit but did not meet the instructor’s attendance and/or participation requirements for auditors. All courses require permission from the class instructor to audit.

**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.

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**Grade Appeals Process**

**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.

If the grade under appeal was assigned the semester the student graduated, Step II shall begin at the start of the next semester. If the instructor assigning the grade has left the University before the start of the appeal, the department chairperson shall represent the instructor in the appeal process.

When a grade is appealed the action rests with the instructor who shall notify the Dean within seven class days of action.

**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,
- 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.
Graduate Studies

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 stu-
dent 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 edu-
cational records, the witnesses must be asked to leave
the room after giving their statements. (See Family Edu-
cational 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 recommenda-
tions to the Dean and both parties.

After reviewing the proceedings of the hearing, the
Dean shall make written recommendations to the stu-
dent 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 con-
siders the results of Step II unacceptable, then he or she
shall have seven class days from notification of the
Dean’s action to submit to the Dean of the College of
Graduate Studies & Research a signed petition for a hear-
ing 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 Gradu-
ate Grade Appeals Board, the CGS&R will review the
petition and the written findings of the associated col-
lege Grade Appeals Board.

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

After deliberation of the evidence, the Graduate Ap-
peals Board will then present its conclusions and rec-
ommendations to the Dean of the College of Graduate
Studies & Research. After reviewing the record of the
hearing and recommendations of the Graduate Grade
Appeals Board, the Dean of the CGS&R 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 con-
siders 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 Univer-
sity Grade Appeal Board, the Office of Academic Affairs
will review the petition and the written findings of the as-
associated college Grade Appeal Baord.

Normally, the findings of the Graduate Grade Appeals
Board will be considered final unless the student pre-
sents good and sufficient reason(s) to the contrary. Sim-
ply 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 communi-
cated 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.

After deliberation of the evidence, the Graduate Ap-
peals Board shall then present its conclusions and rec-
ommendations to the Dean of the College of Graduate
Studies & Research. After reviewing the record of the
hearing and recommendations of the Graduate Grade
Appeals Board, the Dean of the CGS&R 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 CGS&R at the University
of Central Oklahoma may enroll in any course offered
for graduate credit for which (s)he has the prerequisites.
Graduate Record Exam (GRE)

Examination scores must be available to the CGS&R. 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 tests & 600 on the Biology Subject Test
- Forensic Science (M.S.) Minimum combined score of 1,000 on the verbal and quantitative tests.
- Psychology (M.A.) Minimum combined score of 900 on the verbal and quantitative tests.
- Reading (M.Ed.) Minimum combined score of 900 on the verbal and quantitative tests.

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. Phone 843-8378. 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.

Graduation Management Admissions Test (GMAT)

Effective Fall, 2002, 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 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, Room 302, Thatcher Hall.

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, University Center, Room 134.
3. Submit the receipt for the graduation fee and complete an Application for Graduation in the CGS&R, 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.

Graduate and Research Assistants

The University of Central Oklahoma, through the 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 Graduate Studies and Research. Contact your department for research assistant information.

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

Benefits for Graduate /Research Assistants

<table>
<thead>
<tr>
<th>Eligibility</th>
<th>Full-time (9 hours) graduate students in a master’s degree program. No financial need must be demonstrated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipends</td>
<td>Earnings vary according to the category. Rates for the current academic year are: Full time = $7,000/20-hr-work week/</td>
</tr>
<tr>
<td></td>
<td>Fall and Spring semesters 3/4 time = $5,250/15-hr-work week/ Fall and Spring semesters Half-time = $3,500/10-hr-work week/</td>
</tr>
<tr>
<td>Paid in 4</td>
<td>Fall and Spring semesters 3/4 time = $5,250/15-hr-work week/ Fall and Spring semesters Half-time = $3,500/10-hr-work week/</td>
</tr>
<tr>
<td>installments</td>
<td>Fall and Spring semesters 3/4 time = $5,250/15-hr-work week/ Fall and Spring semesters Half-time = $3,500/10-hr-work week/</td>
</tr>
<tr>
<td></td>
<td>Fall and Spring semesters 3/4 time = $5,250/15-hr-work week/ Fall and Spring semesters Half-time = $3,500/10-hr-work week/</td>
</tr>
<tr>
<td></td>
<td>Paid in 4 installments per semester, Sept.-Dec. and Feb.-May</td>
</tr>
<tr>
<td>Tuition Waivers</td>
<td>Resident and non-resident tuition waivers up to six hours for full-time assistants, five hours for 3/4 time assistants, and 3 hours for half-time assistants. Fees are not included in the waiver.</td>
</tr>
</tbody>
</table>
Graduate Studies

Graduation with Honors
The University of Central Oklahoma grants degrees "with honors" to a student who completes the master's degree with a grade-point average of 4.00 in all graduate work attempted.

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.

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

Honors
Dean's/President'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.

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

Outstanding Graduate Student
The CGS&R, as well as the other five academic colleges of the University, choose an outstanding student for the academic year. The Outstanding Graduate Student award is considered the highest honor presented to graduate students. Students are nominated by the graduate faculty and the final selection is made by the Admission and Retention Committee of the Graduate Council. The student selected must complete the master's degree during the current academic year (i.e., Fall, Spring, and Summer) and have a grade point average of 3.6 or higher. The committee will then subjectively determine the recipient on the basis of all information available to them, including participation in campus organizations, on-campus activities, community service, honors and awards.

The E.C. Hall Graduate Award
This award is made each year to the graduate student who completes the master’s degree program with the highest scholastic average. In making the award, all students graduating within the same academic year will be considered. In the event the graduate grade averages are equal, the grade averages of all undergraduate work, the undergraduate major, and the undergraduate minor will be considered in that order. The Director of Admissions and Records will certify the winner of this award. The name of the recipient will be engraved on a plaque displayed in the CGS&R.

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.

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

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.
Graduate Studies

For the purpose of calculating the Grade Point Average, 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 for purposes of standardization and fairness to all incoming graduate students.

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) 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

A U.S. citizen or permanent resident with a bachelor’s degree from an accredited institution, who wishes to enroll in graduate credit courses, but does not want to pursue a master’s program at UCO, may be admitted as a graduate Non-Degree student, with official transcripts showing degrees posted and a minimum 2.50 overall GPA or a 2.75 GPA in the last 60 hours attempted.

An eligible 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.

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

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 College of Graduate Studies & Research (CGS&R).

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 CGS&R.

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.

Readmission to graduate studies may be possible only if the student submits a written appeal for reinstatement to the Dean of the CGS&R. 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 continues on probation until the overall graduate GPA reaches 3.00, and all previously described conditions for probation apply.

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 CGS&R office) and submit it, with a formal Plan of Study for the new program, to the CGS&R. 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 been enrolled in classes at UCO for a minimum period of one year, the student must apply for readmission as a graduate student to the CGS&R.

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 CGS&R, UC 404, and the Office of Admissions and Records, first floor, 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, or the degree candidacy is discontinued.

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 from two to six hours credit, 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 College of Graduate Studies and Research present at the defense, is required for graduation.

After public defense, a student must turn in to the CGS&R a title page, an original signature page and an abstract of his/her 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 Unsatisfactory 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 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 his/her 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 CGS&R). An original committee signature page and the thesis abstract must be presented to the CGS&R 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 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 CGS&R.

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.

**Undergraduates in Graduate Programs**

UCO seniors are eligible for concurrent, or mixed undergraduate and graduate enrollment, 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 CGS&R.

**Workshop Credit**

No more than two (of the total) hours required for the master’s degree may be earned by participation in workshops.
## Minimum GPA Requirements for Admission to Graduate Studies at UCO

<table>
<thead>
<tr>
<th>Program</th>
<th>Overall GPA</th>
<th>GPA last 60 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Non-Degree-Seeking Students</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>College of Arts, Media &amp; Design</strong></td>
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<td></td>
</tr>
<tr>
<td>Design-Interior Design - M.F.A.</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Music -M.M.</td>
<td>2.50</td>
<td>2.50</td>
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<tr>
<td><strong>College of Business Administration</strong></td>
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<td></td>
</tr>
<tr>
<td>Business Administration - M.B.A.</td>
<td>3.00</td>
<td>3.25</td>
</tr>
<tr>
<td>Conditional Admission</td>
<td>2.50</td>
<td>2.75</td>
</tr>
<tr>
<td><strong>College of Education</strong></td>
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<td></td>
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<tr>
<td>Adult Education - M.Ed.</td>
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<td></td>
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<tr>
<td>Community Service, Gerontology</td>
<td>2.50</td>
<td>2.75</td>
</tr>
<tr>
<td>Early Childhood - M.Ed.</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Education - M.Ed.</td>
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<td></td>
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<tr>
<td>General</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Secondary</td>
<td>3.00</td>
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</tr>
<tr>
<td>Bilingual/TESL</td>
<td>2.75</td>
<td>2.75</td>
</tr>
<tr>
<td>Education Guidance &amp; Counseling - M.Ed.</td>
<td>2.75</td>
<td>3.00</td>
</tr>
<tr>
<td>Educational Administration - M.Ed.</td>
<td>2.50</td>
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<tr>
<td>Elementary Education - M.Ed.</td>
<td>2.50</td>
<td>2.50</td>
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<tr>
<td>Human Environmental Sciences - M.S.</td>
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<tr>
<td>Family &amp; Child Development</td>
<td>2.50</td>
<td>2.50</td>
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<tr>
<td>Nutrition &amp; Food Mgmt.</td>
<td>2.50</td>
<td>2.50</td>
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<tr>
<td>Instructional Media - M.Ed.</td>
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<tr>
<td>Library Information</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Applied Technology</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Professional Health Occupations - M.Ed.</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Psychology - M.A.</td>
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<tr>
<td>General/Experimental, Counseling, School Psychology</td>
<td>2.50</td>
<td>2.75</td>
</tr>
<tr>
<td>Reading - M.Ed.</td>
<td>2.50</td>
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<tr>
<td>Special Education - M.Ed.</td>
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<tr>
<td>Mild/Moderate, Severe-Profound/ Multiple Disabilities</td>
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<td>2.75</td>
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<tr>
<td>Speech/Language Pathology - M.S.</td>
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<tr>
<td>Wellness Management - M.S.</td>
<td>2.50</td>
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<tr>
<td>College of Liberal Arts</td>
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<td></td>
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<tr>
<td>Criminal Justice Admin. &amp; Mgmt. - M.A.</td>
<td>2.50</td>
<td>2.75</td>
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<tr>
<td>English - M.A.</td>
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</tr>
<tr>
<td>Composition, Contemporary Literature, Creative Writing,</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Traditional Studies, Teaching English as a Second Language</td>
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<tr>
<td>History - M.A.</td>
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<tr>
<td>General, Museum Studies, Social Studies Teaching</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Political Science - M.A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General, Urban Affairs, International Affairs</td>
<td>2.75</td>
<td>3.00</td>
</tr>
<tr>
<td>College of Mathematics and Sciences</td>
<td></td>
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<tr>
<td>Applied Mathematics and Sciences - M.S.</td>
<td></td>
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</tr>
<tr>
<td>Computer Science, Math/Computer Sci. Teaching, Mathematics, Statistics</td>
<td>3.00 and</td>
<td>3.00</td>
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<tr>
<td>Biology - M.S. (requires both overall and last 60 hours minimums)</td>
<td>2.50 and</td>
<td>3.00</td>
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<td>Forensic Science - M.S.</td>
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<tr>
<td>Criminalistics, Nursing, Tech. Investigations</td>
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<tr>
<td>Industrial &amp; Applied Physics - M.S.</td>
<td>3.00</td>
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Operations of the Dr. Joe C. Jackson College of Graduate Studies and Research

Opportunities at UCO
Graduate Council, Graduate Faculty and Research 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. In addition, the following qualifications are required:

1. Superior teaching ability supported by student evaluations (when available), chairperson evaluation and teaching innovation.
2. Active participation in research leading to publications and/or other appropriate scholarly/artistic activities.
3. Activities, performances, or exhibits commended by professionals in the candidate’s field of study.
4. Willingness and ability to supervise theses or mentor students.

Application for Full Membership must be made on the Application for Full Membership on the Graduate Faculty form, available in the CGS&R.

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 CGS&R. 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 CGS&R, 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 review and recommendation to the Graduate Dean. A list of approved applications for Graduate Faculty Membership will be forwarded to the Graduate Council for discussion and vote, which will be reported 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 CGS&R.

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 CGS&R and determine the general direction of the CGS&R.

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 CGS&R, whenever the action of the Graduate Faculty is
Graduate Council and Committees

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 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 CGS&R.
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 CGS&R 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 CGS&R.
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 CGS&R.
2. Study registration procedures and policies as they affect the CGS&R.
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:
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 tabu-
Graduate Assistantships and Tuition Waivers

Graduate Assistantships for Students

Graduate assistants (GA’s) 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. GA’s have the opportunity to work under the direct supervision and tutelage of one or more faculty members.

Graduate assistants are required to meet certain criteria, listed below:
1. Carry at least six credit hours of graduate coursework each regular semester to retain the appointment.
2. Contractual obligation to work 20 hours a week at duties suitable for a full-time graduate assistant, prescribed by your department or college.
3. May not register for more than 9 credit hours in the fall or spring semesters. For less than full-time appointments, the workload, stipend and tuition waiver are adjusted.

Although the University sets formal policies governing GA’s, the primary responsibility for administering these policies lies with the College of Graduate Studies and Research. GA’s are appointed by recommendation of the faculty, chairperson and the dean, and coordinated through the CGS&R. The supervisors are ultimately responsible for the supervision and evaluation of all GA’s in the department.

Research Assistants

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 CGS&R. Faculty members are responsible for screening RAs, who must fulfill these requirements:
1. Be a full-time graduate student, in good standing in the Graduate College.
2. 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.

Undergraduate Research Assistantships are available through the CGS&R on a limited basis. Faculty members request an undergraduate for a particular research project. Consult with the CGS&R for further information.

RAs are required to provide the CGS&R 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 Waivers 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/index.htm 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 CGS&R, and members are recommended by the Assistant Dean of CGS&R, 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;
IRB, On-Campus Research Grants, External Grants

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 CGS&R,
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 CGS&R. 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 CGS&R website at http://www.ucok.edu/facres. Submit applications to the Assistant Dean of Research, Room 404, University Center.

On-Campus Research Grants

Mini-Grants—maximum funding of $2,000. 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 $2,001 to $10,000. 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.

Travel Grant—Funding is for a maximum of $400. Faculty currently funded by mini, regular, or external grants are not eligible for this award. This program supports full-time (not temporary) faculty travel to present the results of research, creative, or scholarly activities completed at UCO. The research, creative, or scholarly activity on which the faculty member is reporting must have been supported by on-campus grants or by external grants routed through the College of Graduate Studies and Research in the previous fiscal year. Deadline for proposals is June 15. This award does not fund travel to attend workshops, seminars, or support professional affiliations. Proof of presentation will be required when submitting the out-of-state travel request form. Proof may be a letter of acceptance from the host organization or a listing of the author’s name and presentation title in the program. Awards from this program may be used to supplement Faculty Development Awards obtained by application to the Office of Academic Affairs.

New Faculty Grants—$500 for New Full-Time Faculty (not temporary) for research. New faculty members will submit an abstract and budget of their proposed research project for funding.

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 CGS&R.

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 CGS&R. 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 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 ($400 for students). All travel requests must be routed through the chair of the department and the dean of the college before submission to the CGS&R. Proof of 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 mini, regular, travel and start-up grant recipients must present at Research Day, sponsored by the CGS&R, as a condition of future funding.
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.
Faculty Incentive Awards, Research Day, Research Awards

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 CGS&R. The CGS&R assists faculty to find external funding sources for specific projects. Faculty may apply at the CGS&R for SPIN+ searches and use the CGS&R web page to search “News, Notes and Deadlines” for grant opportunities.

Route external grant applications through the chair of the department and the dean of the college, securing signatures, before forwarding it to the CGS&R, Room 404, University Center, Campus Box 117. Routing slips are available in the CGS&R and the deans' offices. Route external grants through the system at least a week before deadline.

External grant proposals which are not routed through the CGS&R 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 CGS&R 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 CGS&R 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 CGS&R will obtain these items. A copy of all proposals is kept in the CGS&R.

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:

1. A copy of the publication is sent to the CGS&R and is the result of a funded mini, regular or external grant submission routed through the CGS&R.
2. The external grant proposal must be routed through the CGS&R before submission to the agency.
3. The application for incentive award is submitted prior to published deadlines on the CGS&R website.

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 approval. All purchases must be pre-approved by the faculty member and the CGS&R.

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 CGS&R. 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. Presentations, in the form of posters, are submitted by student and faculty researchers. All faculty and students from regional universities are invited to participate. 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 Fellowships are presented to one faculty member and one undergraduate student researcher from each college, each year at the colloquium.

The CGS&R will also select two graduate students at large for the award. Criteria for faculty nomination includes 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.

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 at the Fall, CGS&R Awards Reception.

Publications
The CGS&R 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–Interior Design

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

**This degree is currently under review and will be significantly altered in the near future. The revised, full plan of study will be printed in a future catalog.**

An interior designer is a person qualified by education, training, and national examination to provide professional services in the design of interior spaces. This includes the planning, selection, and preparation of documents relative to the installation of furnishings, finishes, and equipment within the built environment. The Interior Design curriculum provides courses that allow the student to develop the necessary skills for entry level positions in the interior design profession. Each student's course of study will be designed to prepare the student to participate in two additional years of professional internship and to take the National Council for Interior Design Qualification (NCIDQ) examination. The professional internship and the NCIDQ examination are done after graduation at the graduate's option. The professional internship and the NCIDQ are not part of the graduate program.

The graduate Interior Design option takes two different tracks.

1. **Track one** is for those students who have an undergraduate degree in Interior Design and are interested in interior design education or further study.
2. **Track two** is for the graduate student who has an undergraduate degree in another discipline, but wants to become a professional interior designer. This student will be required to take up to 48 credit hours of under-graduate courses prior to taking many of the graduate courses to develop the competencies required by the profession.

**Admission Requirements for the M.F.A. in Design-Interior Design Program:**

Students seeking an M.F.A. in Design-Interior Design must fulfill the following requirements before being formally admitted to the program:

A. Apply for admission to the CGS&R, Room 404, UC. See page 20.

**Note:** No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a "Recommendation for Admission to the College of Graduate Studies and Research" form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

**MFA Design Curriculum**

60 hours required (Effective fall 2002)

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<th>Non-Design Courses</th>
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<td>PTE 5013 Foundations of Educ. Research</td>
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<td>HES 5323 Creative Leadership</td>
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<td>PSY 5193 Experimental Design</td>
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<td>PTE 5193 Educational Statistics</td>
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<th>Design Specialization</th>
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<td><strong>Required Design</strong></td>
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<td>IND 5913 3-D Modeling</td>
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<td>IND 5123 Computer Drafting</td>
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<tr>
<td>IND 5914 Contract &amp; Commercial Design</td>
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<tr>
<td>IND 5943 Interior Design Practice</td>
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<tr>
<td>IND 5953 Internship in ID</td>
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<td>DES 5913 Computer Graphics II</td>
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<td>(with advisor approval)</td>
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<tr>
<td>IND 5183 Historical Decorative Accessories</td>
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<tr>
<td>IND 5612 Interior Lighting</td>
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<td>DES 5913 Multimedia Design I</td>
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<td>DES 5923 History of Graphic Design</td>
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<tr>
<td>IND 5993 Thesis</td>
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<td>IND 5993 Thesis Presentation</td>
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<tr>
<th>General Electives (5000 level)</th>
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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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

E. Hold a music degree from an accredited institution.

F. Complete all prerequisites for the Master of Music Degree or Standard Teaching Certificate in Music.

G. 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 CGS&R. 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

<table>
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<th>32 hrs</th>
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<tr>
<td>12-16 hrs</td>
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A. Professional preparation
Select:
1. Performance
2. Music Education
B. Music History and Literature
C. Music Theory
D. Research Methods
E. Electives*

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

COLLEGE OF ARTS, MEDIA & DESIGN

ART (ART)
Department of Art

ART 5000 WORKSHOP IN ART AND 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.

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
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 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: Permission of instructor.

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 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, collograph 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 5323 AFRICAN ART
This study explores the social, religious, and political influences on the creation of the arts of Africa. Art from West Africa south of the Sahara from Guinea to Angola are discussed in relation to stylistic and functional similarities and differences.

ART 5333 DIGITAL EDITING AND COMPOSITION
This course provides a computer-aided design framework for the editing and composition of the graphic components from illustrated and photographic stills, 3-D modeling, animation, audio, and video assets with which to narrate story concepts and sequences. Students work with non-linear editing processes, software, and microcomputer technologies to create narrative project productions useful for compact disk, video, or web-based delivery systems.

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 5373</td>
<td>INTRO TO ART THERAPY</td>
<td>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. <strong>Prereq:</strong> three hours of art and three hours of psychology.</td>
</tr>
<tr>
<td>ART 5383</td>
<td>METHODS FOR TEACHING ART HISTORY</td>
<td>This course offers the graduate student methods of art history curriculum development. A variety of media is explored in research, documentation and presentation.</td>
</tr>
<tr>
<td>ART 5403</td>
<td>ADVANCED VISUAL ARTS FOR ELEMENTARY SCHOOLS</td>
<td>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.) <strong>Prereq:</strong> ART 3803 or permission of the instructor.</td>
</tr>
<tr>
<td>ART 5413</td>
<td>ADVANCED JEWELRY</td>
<td>Advanced study in jewelry using the casting processes. The development and production of jewelry with this method. <strong>Prereq:</strong> ART 3463 or written permission of instructor.</td>
</tr>
<tr>
<td>ART 5423</td>
<td>FIBER ARTS</td>
<td>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. <strong>Prereq:</strong> ART 3414 or permission of instructor.</td>
</tr>
<tr>
<td>ART 5433</td>
<td>WEAVING</td>
<td>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. <strong>Prereq:</strong> ART 3403 Weaving or permission of instructor.</td>
</tr>
<tr>
<td>ART 5443</td>
<td>PHOTO: SPECIAL PROJECTS</td>
<td>This course offers graduate study in a wide range of photographic techniques. Students will create original photographs with both silver and non-silver processes. <strong>Prereq:</strong> three hours photography including darkroom experience.</td>
</tr>
<tr>
<td>ART 5463</td>
<td>MEDIA IN ART THERAPY</td>
<td>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. <strong>Prereq:</strong> three hours of art and three hours of psychology or sociology.</td>
</tr>
<tr>
<td>ART 5473</td>
<td>ART THERAPY AS PROCESS AND PRODUCT</td>
<td>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. <strong>Prereq:</strong> three hours of art and three hours of psychology.</td>
</tr>
<tr>
<td>ART 5503</td>
<td>CERAMIC TECHNIQUES &amp; DEVELOPMENTS</td>
<td>An extended study of creative experiences in a variety of materials and methods used in the teaching of ceramics in art education. <strong>Prereq:</strong> ART 4653.</td>
</tr>
<tr>
<td>ART 5512</td>
<td>PROFESSIONAL PRACTICE</td>
<td>Employment procedures of writing and designing a resume, portfolio presentation, interviewing tips, and work ethics; and free-lance procedures of legal registration, self-promotion, billing clients, bookkeeping, and client relations. <strong>Prereq:</strong> ART 3293 or written permission of instructor.</td>
</tr>
<tr>
<td>ART 5522</td>
<td>ART PRESENTATION AND DISPLAY</td>
<td>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.</td>
</tr>
<tr>
<td>ART 5543</td>
<td>MULTIMEDIA DESIGN</td>
<td>The Multimedia Design Course develops student skills to originate, design, and orchestrate informational components for specified computer based projects. Interactive connectivity goal for these components will then be assigned so that students can coordinate interface design and user functions. The course structures interdisciplinary student collaboration to conceive compose, utilize, and design multimedia projects, scripts, and storyboards used to integrate text, graphics, animation, audio, and video assets. Content development requires students to organize historical research, creative research, commentary, and scholarly materials.</td>
</tr>
<tr>
<td>ART 5553</td>
<td>PHOTOGRAPHING ART</td>
<td>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.</td>
</tr>
<tr>
<td>ART 5600</td>
<td>STUDIO ART</td>
<td>Credit varies from 1 to 4 hours. <strong>Prereq:</strong> Written permission.</td>
</tr>
<tr>
<td>ART 5623</td>
<td>ADVANCED FORM AND SURFACE DESIGN</td>
<td>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. <strong>Prereq:</strong> Six hours of art or permission of instructor.</td>
</tr>
<tr>
<td>ART 5653</td>
<td>CERAMICS II</td>
<td>Advanced techniques in hand-built and wheelthrown forms. Clay body preparation and formulation. Development of glaze and advanced techniques in its application. Supervision in firing techniques. <strong>Prereq:</strong> Art 3703.</td>
</tr>
<tr>
<td>ART 5703</td>
<td>ART IN AMERICA</td>
<td>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. <strong>Prereq:</strong> ART 1112.</td>
</tr>
<tr>
<td>ART 5763</td>
<td>UCO STUDIO</td>
<td>A working graphic design studio managed and staffed by advanced graphic design majors to work with campus and community clients.</td>
</tr>
<tr>
<td>ART 5833</td>
<td>EXHIBIT PRESENTATION</td>
<td>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.</td>
</tr>
<tr>
<td>ART 5842</td>
<td>ELEMENTARY ART EDUCATION METHODS (for art majors)</td>
<td>Students develop a sequential discipline-based Art Education curriculum for elementary schools.</td>
</tr>
<tr>
<td>ART 5853</td>
<td>SECONDARY ART EDUCATION METHODS (for art majors)</td>
<td>Curriculum materials for secondary school art will be developed and sequentially organized. Presentation techniques are practiced.</td>
</tr>
<tr>
<td>ART 5900</td>
<td>PRACTICUM IN ART AND DESIGN</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>
Course Descriptions

ART 5910  SEMINAR IN ART AND DESIGN  
Credit varies from 1 to 4 hours. Directed intensive study on selected problems of special topics. Prereq: an undergraduate minor or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

ART 5920  DIRECTED READING IN ART AND DESIGN  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ART 5930  INDIVIDUAL STUDY IN ART AND DESIGN  
Credit varies from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines of plan; conferences, oral and written reports. Prereq: an undergraduate major or equivalent in the subject matter area to be studied, and permission of the Department Chair and Graduate Advisor.

ART 5940  SPECIAL TOPICS IN ART AND DESIGN  
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.

ART 5950  INTERNSHIP IN ART AND DESIGN  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained on a temporary basis. Subject matter will vary within the department's field of study.

ART 5960  INSTITUTE IN ART AND DESIGN  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ART 5970  STUDY TOUR IN ART AND DESIGN  
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

ART 5990  THESIS IN ART AND DESIGN  
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

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

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 on a master’s degree.

DES 5900  PRACTICUM IN DESIGN  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 5910  SEMINAR IN DESIGN  
Credit varies from 1 to 4 hours. Directed intensive study on selected problems of special topics.

DES 5920  DIRECTED READING IN DESIGN  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 5930  INDIVIDUAL STUDY IN DESIGN  
Credit varies from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines of plan; conferences, oral and written reports.

College:  Arts, Media, and Design

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 5990  THESIS IN DESIGN  
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

INTERIOR DESIGN (INDS)  
Department of Design

INDS 5123  COMPUTER DRAFTING  
A course utilizing basic understanding of CAD in disciplines such as architecture, mechanical drafting, space planning, and interior design. Prereq: IND 5543.

INDS 5183  HISTORICAL DECORATIVE ACCESSORIES  
A study of historical decorative accessories that are fabrications from glass, metal, wood or textile. The course covers company names, craftsmen, hallmarks, terminology and methods of production among North American, European, and Asian designs.

INDS 5612  INTERIOR LIGHTING  
This course is designed to provide an understanding of basic lighting needs for residential and commercial use.

INDS 5623  INTERIOR DESIGNER CERTIFICATION ANALYSIS  
A graduate Capstone course in which the student completes 12 space-planning scenarios as a preparation for taking the NCIDQ exam. A portfolio review by interior design professionals evaluates samples of work from each graduate course. Prereq: A minimum of 21 graduate credit hours, and permission of the curriculum coordinator.

INDS 5900  PRACTICUM IN INTERIOR DESIGN  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

INDS 5910  SEMINAR IN INTERIOR DESIGN  
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.

INDS 5920  DIRECTED READING IN INTERIOR DESIGN  
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.

INDS 5930  INDIVIDUAL STUDY IN INTERIOR DESIGN  
Credit will vary 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. Prereq: An undergraduate major or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.

INDS 5940  SPECIAL TOPICS IN INTERIOR DESIGN  
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.

INDS 5950  INTERNSHIP IN INTERIOR 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.
Course Descriptions

INDS 5960 INSTITUTE IN INTERIOR DESIGN
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

INDS 5970 STUDY TOUR
Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

INDS 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MEDIA ARTS (MART)
Department of Theatre, Dance, and Media Arts

MART 5000 WORKSHOP IN MEDIA ARTS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted on a master's degree.

MART 5900 PRACTICUM IN MEDIA ARTS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 5910 SEMINAR IN MEDIA ARTS
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems of special topics.

MART 5920 DIRECTED READING IN MEDIA ARTS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MART 5930 INDIVIDUAL STUDY IN MEDIA ARTS
Credit will vary 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.

MART 5950 INTERNSHIP IN MEDIA ARTS
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.

MART 5960 INSTITUTE IN MEDIA ARTS
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MART 5970 STUDY TOUR IN MEDIA ARTS
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

MART 5990 THESIS IN MEDIA ARTS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUSIC (MUS)
Department of Music

MUS 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 on a master's degree.

MUS 5010 APPLIED MUSIC (GRADUATE)
Credit will vary from 1-4 hours. Applied brass, organ, piano, voice, strings, percussion and woodwinds.

MUS 5022 MUSIC FOR THE SMALL VOCAL ENSEMBLE
Repertoire and performance practices of music for small vocal ensemble ranging from 16th century madrigal to contemporary literature.

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.
Course Descriptions

MUS 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.

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 interpretative demonstrations through live performances and recordings. Prereq: permission of instructor.

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 performance practices relating to the keyboard and interpretative demonstrations through live performances and recordings. Prereq: permission of instructor.

MUS 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.

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 count for 2 hours of theory credits up to 6 hours of elective credits in the master of music degree. Prereq: eight hours of undergraduate harmony.

MUS 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.

MUS 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.

MUS 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.

MUS 5502 ADVANCED CONDUCTING AND SCORE READING
A thorough study of choral, band and orchestral scores and their interpretation.

MUS 5602 WOODWIND MATERIALS AND 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 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.

MUS 5842 ELEMENTARY MUSIC METHODS (INSTRUMENTAL)
Problems and methods of teaching instrumental music in the grades. For music majors only. Prereq: Admission to Teacher Education.

MUS 5852 ELEMENTARY MUSIC METHODS (VOCAL)
Problems and methods of teaching vocal music in the grades. For music majors only. Prereq: Admission to Teacher Education.

MUS 5862 INSTRUMENTAL MUSIC METHODS (SECONDARY)
Problems and methods of teaching music in the junior and senior high school. Prereq: For music majors/minors only.

MUS 5872 VOCAL MUSIC METHODS (SECONDARY)
For music majors/minors only.

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
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. 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 2 hours. Subject matter will vary within the department's field of study.

MUS 5980 GRADUATE PROJECT
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.
<table>
<thead>
<tr>
<th>Course Description</th>
<th>College: Arts, Media, and Design</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MUS 5990  THESIS</strong>&lt;br&gt;Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.</td>
<td><strong>THRT 5713  PLAY PRODUCTION</strong>&lt;br&gt;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.</td>
</tr>
<tr>
<td><strong>THEATRE ARTS (THRT)</strong>&lt;br&gt;Department of Theatre, Dance, and Media Arts</td>
<td><strong>THRT 5900  PRACTICUM IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.</td>
</tr>
<tr>
<td><strong>THRT 5000  WORKSHOP IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted on a master’s degree.</td>
<td><strong>THRT 5910  SEMINAR IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 4 hours. Subject matter will vary from within the department's field of study.</td>
</tr>
<tr>
<td><strong>THRT 5213  SHAKESPEARE ON FILM</strong>&lt;br&gt;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.</td>
<td><strong>THRT 5920  DIRECTED READING IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.</td>
</tr>
<tr>
<td><strong>THRT 5303  GLOBAL THEATRE</strong>&lt;br&gt;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.</td>
<td><strong>THRT 5930  INDIVIDUAL STUDY IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.</td>
</tr>
<tr>
<td><strong>THRT 5353  HISTORY OF THEATRE: BEGINNING TO 1660</strong>&lt;br&gt;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.</td>
<td><strong>THRT 5940  SPECIAL TOPICS IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.</td>
</tr>
<tr>
<td><strong>THRT 5363  HISTORY OF THEATRE: 1660 TO PRESENT</strong>&lt;br&gt;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.</td>
<td><strong>THRT 5950  INTERNSHIP IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.</td>
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<td><strong>THRT 5960  INSTITUTE IN THEATRE ARTS</strong>&lt;br&gt;Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.</td>
<td><strong>THRT 5970  STUDY TOUR</strong>&lt;br&gt;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><strong>THRT 5990  THESIS</strong>&lt;br&gt;Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.</td>
<td><strong>THRT 5990  THESIS</strong>&lt;br&gt;Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.</td>
</tr>
</tbody>
</table>
# College of Arts, Media and Design

### Administrative Officers

- **Dean, Dr. Christopher Markwood**
- **Assistant Dean, Dr. Karen Carter**

### Graduate Faculty

- **Sion M. Honea**, B.M., University of Central Oklahoma, 1974; M.A., Eastman School of Music, 1980; Ph.D., SUNY Buffalo, 1991
- **William L. Hommel**, B.A., Oakland University, 1963; M.A., Indiana University, 1977; Ph.D., Indiana University, 1981
- **Brenda Seward Johnson**, B.M.Ed., Oklahoma State University, 1975; M.M., Oklahoma City University, 1979
- **Scott Johnson**, B.A., Oklahoma City University, 1990; M.M., Oklahoma City University, 1998
- **Gari Kyle**, B.M., Oklahoma City University, 1972; M.M., Oklahoma City University, 1974
- **Brian Lamb**, B.M.Ed., Baylor University, 1986; M.M., University of Notre Dame, 1988; D.M.A., University of North Texas, 2001
- **Tamara Long**, B.A., Oklahoma City University, 1964; M.M., Oklahoma City University, 1969
- **Melinda Lyon**, B.S., Oklahoma State University, 1978; M.S., University of Central Oklahoma, 1989
- **Christopher Markwood**, B.A., Southwest Baptist University, 1987; M.A. University of Missouri-Columbia, 1988; Ph.D. University of Missouri-Columbia, 1993
- **Linda Mauck**, B.S., Oklahoma State University, 1982
- **Barbara McCurley**, B.S., Oklahoma State University, 1981
- **Don Narcomey**, B.A., University of Central Oklahoma, 1982

### Assistant Deans

- **Dr. Karen Carter**
- **Dr. Christopher Markwood**

### Administrative Officers

- **Sandra Flesher**, M.F.A., University of Oklahoma, 1982
- **Bob Cromer**, B.S., Indiana Wesleyan University, 1966; M.A.E., Ball State University; Ed.D. Ball State University, 1987
- **Lon Dehnert**, B.M.Ed., University of Kansas, 1976; M.M., University of Missouri-Kansas City, 1982; D.M.A., University of Kansas, 1987
- **Sandra Flesher**, B.M., Eastman School of Music, 1960; M.M., Eastman School of Music, 1965
- **Douglas R. Getzoff**, B.A., University of Northern Iowa, 1982; M.F.A., University of Georgia, 1984
- **Brian Gorrell**, B.M.Ed., University of Central Oklahoma, 1995; M.M., Oklahoma City University, 1998
- **Pamela Green**, B.M., Oklahoma City University, 1970; M.M., Oklahoma City University, 1973
- **Bernie Guzik**, B.M., Juilliard School of Music, 1968
- **Sharon Heath**, B.S., University of Houston, 1981; M.B.S., Cameron University, 1989
- **Earl Hefley**, B.S., Oklahoma City University, 1964; M.Ed., University of Central Oklahoma, 1973
- **Laci Hensley**, B.S., University of Central Oklahoma, 1992; M.S., University of Central Oklahoma, 1996
- **Donald G. Bristow**, B.F.A. University of Oklahoma, 1962; M.F.A., University of Oklahoma, 1964; Ph.D., Texas Tech University, 1984
- **Karen Carter**, B.M.Ed., Oklahoma State University, 1971; M.S. Oklahoma State University, 1976; Ph.D. University of Oklahoma, 1986
- **Kay Creed**, B.M., Oklahoma City University, 1964; M.A., Oklahoma City University, 1981
- **Bob Cromer**, B.S., Indiana Wesleyan University, 1966; M.A.E., Ball State University; Ed.D. Ball State University, 1987
- **Lon Dehnert**, B.M.Ed., University of Kansas, 1976; M.M., University of Missouri-Kansas City, 1982; D.M.A., University of Kansas, 1987
- **Sandra Flesher**, B.M., Eastman School of Music, 1960; M.M., Eastman School of Music, 1965
- **Douglas R. Getzoff**, B.A., University of Northern Iowa, 1982; M.F.A., University of Georgia, 1984
- **Brian Gorrell**, B.M.Ed., University of Central Oklahoma, 1995; M.M., Oklahoma City University, 1998
- **Pamela Green**, B.M., Oklahoma City University, 1970; M.M., Oklahoma City University, 1973
- **Bernie Guzik**, B.M., Juilliard School of Music, 1968
- **Sharon Heath**, B.S., University of Houston, 1981; M.B.S., Cameron University, 1989
- **Earl Hefley**, B.S., Oklahoma City University, 1964; M.Ed., University of Central Oklahoma, 1973
- **Laci Hensley**, B.S., University of Central Oklahoma, 1992; M.S., University of Central Oklahoma, 1996
### College of Arts, Media and Design

**Graduate Faculty**

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Institution(s)</th>
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</thead>
<tbody>
<tr>
<td>Tess Remy-Schumacher</td>
<td>Kunstlerische Reifeprüfung, Musikhochschule Cologne, 1987; M.M., University of Southern California, Los Angeles, 1989; D.M.A., University of Southern California, Los Angeles, 1998</td>
<td></td>
</tr>
<tr>
<td>Pamela Richman</td>
<td>B.M., Roosevelt University, 1978; M.M., University of Illinois, 1981</td>
<td></td>
</tr>
<tr>
<td>Karen Sharp</td>
<td>B.G.S., University of Michigan, 1970; M.A., University of Central Oklahoma, 2001</td>
<td></td>
</tr>
<tr>
<td>Roberta Raider Sloan</td>
<td>B.S., Northwestern University, 1966; M.A., University of Michigan, 1967; Ph.D., University of Michigan, 1970</td>
<td></td>
</tr>
<tr>
<td>Gail Sloop</td>
<td>B.A., Southwestern Oklahoma State University, 1975; M.F.A., University of Houston, 1986</td>
<td></td>
</tr>
<tr>
<td>Peggy M. Spence</td>
<td>B.M., University of Oklahoma, 1960; M.M., University of Oklahoma, 1962</td>
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<tr>
<td>Barbara S. Streets</td>
<td>B.M.Ed., University of Oklahoma, 1982; M.M., University of Oklahoma, 1986</td>
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</tr>
<tr>
<td>Sandra D. Thompson</td>
<td>B.M., Oklahoma City University, 1975; M.M.Ed., University of Central Oklahoma, 1984</td>
<td></td>
</tr>
<tr>
<td>Danny Vaughan</td>
<td>B.A., Oklahoma Christian University of Science and Arts, 1996; M.M., University of Central Oklahoma, 1997</td>
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<tr>
<td>Michael Walker</td>
<td>B.M., Oklahoma City University, 1990; M.M.Ed., University of Central Oklahoma, 1994</td>
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<tr>
<td>James R. Watson</td>
<td>B.S., University of Texas at Austin, 1979; M.Ed., University of North Texas, 1982; Ph.D., University of North Texas, 1987</td>
<td></td>
</tr>
<tr>
<td>Jesse A. Webster</td>
<td>B.A., University of Central Oklahoma, 1961; M.T.M., University of Central Oklahoma, 1967; D.M.A., University of Oklahoma, 1978</td>
<td></td>
</tr>
<tr>
<td>Leon Whitesell</td>
<td>B.M., University of Central Oklahoma, 1966; M.T.M., University of Central Oklahoma, 1968</td>
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</tr>
<tr>
<td>Lori Wooden</td>
<td>B.S., St. Cloud State University, 1980; M.M., University of Minnesota, 1986; D.M.A., University of Wisconsin, Madison, 1996</td>
<td></td>
</tr>
<tr>
<td>Hong Zhu</td>
<td>B.A., Central Conservatory of Music, Beijing, 1982; M.M., Michigan State University, 1990; D.M.A., Michigan State University, 1995</td>
<td></td>
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<tr>
<td>Mark Zimmerman</td>
<td>B.A., University of Central Oklahoma, 1993; M.Ed., University of Central Oklahoma, 1999</td>
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</tr>
</tbody>
</table>

*Associate Member*
College of

Business Administration
Program: Business Administration

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

College: 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 North Central Association of Schools and Colleges.

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.

ADMISSION
The CBA at UCO welcomes applications from college graduates in all fields. Applicants must hold a bachelor’s degree from an accredited college or university. 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, communication skills, and interest in professional management. The admission standards ensure that applicants admitted to the Master of Business Administration program through the College of Graduate Studies and Research (CGS&R) are well qualified and trained to study at UCO and have a reasonable expectation of successfully completing the Program.

*Note: or a minimum score of 800 combining Verbal and Quantitative sections of the Graduate Record Exam (GRE)

ADMISSION REQUIREMENTS
Students seeking an MBA must fulfill the following requirements before they will be formally admitted to the MBA Program:

a. Minimum 3.0 overall undergraduate GPA OR
b. Minimum 3.25 undergraduate GPA in the last 60 hours

ADMISSION PROCEDURE
The applicant must provide the required documents for admission to the CGS&R 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 CGS&R as they are received for admission for the semester indicated on the application form.

ADMISSION PROCEDURE
The following documentation should be mailed to:
College of Graduate Studies and Research
University of Central Oklahoma
Room 404 UC, 100 N. University Drive
Edmond, Oklahoma 73034

A. A completed Application for Graduate Admission to the CGS&R must be on file by the following dates:
Semester Application Deadline
Fall July 1st
Spring November 1st
Summer April 1st

B. The $15 application fee can be paid at the Bursar’s Counter, University Center, Room 134, (unless paid within the last 4 years)

C. 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.

D. Official GMAT results
E. Current Résumé
F. Two Recommendation Forms/Letters from former instructors, employers, or other professionals who can evaluate the applicant’s potential to complete graduate study.

Only application files with all required documents will be considered for 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)
Program: Business Administration

<table>
<thead>
<tr>
<th>Degree</th>
<th>Master of Business Administration (M.B.A.)</th>
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<tbody>
<tr>
<td>College:</td>
<td>Business Administration</td>
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</table>
| Admission to the UCO MBA Program. Upon completion of the 12 graduate hours with a “B” or better in each course, the student must petition the MBA Director to be allowed to continue in the MBA Program. An academic reprieve is not applicable to these students. Petition forms are available in the MBA Office, Business Building, Room 100, or by visiting the website at http://www.busn.ucok.edu/mba.

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 CURRICULUM 36 - 63 HOURS

Students entering the MBA program are expected to be proficient in word processing, database, and spreadsheet applications. No course work is required to fulfill this 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.

A. Background Course 3 hours
   MATH 2053 Math and Analysis for Business (or equivalent)

B. Foundation Courses 24 hours
   ACCT 5323 Foundation for Accounting Analysis
   LS 5023 Legal and Regulatory Environment of Business
   ECON 5313 Statistics for Business Decision Making
   ISOM 5043 Management of Information Technology
   ECON 5473 Survey of Economic Theory
   FIN 5343 Financial Management
   MGMT 5023 Business Policy
   MKTG 5123 Marketing Management

Background and Foundation course requirements may be waived wholly, or in part, by the MBA Director.

Required Core Courses* 21 hours
(All must be taken at UCO—minimum grade of “B” in each course)
   **BCOM 5303 Business Research Methods
   **ISOM 5533 Management Science
   ACCT 5103 Controllership & Decision Accounting
   FIN 5333 Financial Administration & Control
   MGMT 5023 Business Policy
   MKTG 5123 Marketing Management

Select ONE course from the following:
   ECON 5103 Microeconomic Analysis
   ECON 5503 Macroeconomic Analysis

*All core classes have comprehensive final examinations.
**Take during the first 12 hours.

D. Capstone Course 3 hours
(Must be taken at UCO during last 12 hours)
   MGMT 5543 Integrated Functions of the Firm

E. Graduate Level Business Electives 12 hours
   Six hours must be in residence at UCO. Foundation courses cannot be used as electives.

V. REQUIREMENTS FOR GRADUATION

A. Complete all MBA degree requirements with an overall GPA of 3.0 (on a 4.0 scale) for all course work attempted and a 3.0 GPA for all course work attempted in residence at the University of Central Oklahoma with the two GPA’s calculated separately.

B. Pass all Required Core courses with a grade of “B” or better in each course. A maximum of two retakes (including 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. A grade of “C” or lower in a REQUIRED CORE COURSE must be repeated. A grade of “D” or lower in a FOUNDATION or CAPSTONE 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.

VI. 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.

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

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 CGS&R will be present at the defense.

### VII. 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 Director. Up to nine hours of graduate credit may be transferred to UCO from all other institutions combined.

Transfer courses apply toward the MBA degree only as electives or to satisfy Foundation Course 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.
Course Descriptions

COLLEGE of BUSINESS ADMINISTRATION

ACCOUNTING (ACCT)
Department of Accounting

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 on a master's degree.

ACCT 5103  CONTROLLERSHIP & DECISION ACCOUNT
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. Prereq: ACCT 2133 or ACCT 5323.

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: 24 credit hours in accounting including ACCT 3213 and 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: 24 hours of accounting 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: 24 credit hours in accounting including ACCT 3333.

ACCT 5323  FOUNDATIONS FOR ACCOUNT ANALYSIS
A comprehensive introduction to accounting principles, theory, and practice. This course is designed to provide students with little or no background in accounting, an understanding of the basic accounting model that generates the principal financial statements and the concepts underlying those financial statements. In addition, students should develop the knowledge and competency to prepare, interpret, analyze, and evaluate financial statements. This is a foundation course.

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: 24 credit hours in accounting 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 within the Department's field of study.

ACCT 5960  INSTITUTE IN ACCOUNTING
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ACCT 5970  STUDY TOUR
Credit will vary 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.

GENERAL BUSINESS (BADM)
Department of General Business

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 on 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 ADMIN.
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 BUS. 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.

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 ADMIN.
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

BCOM 5000  WORKSHOP IN BUS. COMMUNICATIONS
Credit will vary from 1 to 4 hours; subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted on a master's degree.

BCOM 5303  BUSINESS RESEARCH METHODS
Concepts and methods of the scientific research process: defining the problem; stating the hypothesis; designing the investigation; developing the proposal; collecting, organizing, presenting, analyzing, and interpreting the data; and reporting the results in both written and oral forms. Prereq: BCOM 3143 or 4233, ISOM 5313 or ISOM 5533.
Course Descriptions

BCOM 5323  COMMUNICATION & BUSINESS BEHAVIOR
Application of contemporary management and behavioral theories to interpersonal group communication within business organizations.

BCOM 5900  PRACTICUM IN BUSINESS COMMUN.
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BCOM 5910  SEMINAR IN BUSINESS COMMUN.
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

BCOM 5920  DIRECTED READING IN BUS. COMMUN.
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 COMMUNICATION
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 BUS. 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 BUS. 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.

ECONOMICS (ECON)
Department of Economics

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 on 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 noncompetitive behavior. Prereq: ECON 2103 and 2203 or ECON 5473.

ECON 5203  ECONOMIC GROWTH AND 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: ECON 2103 and 2203 or ECON 5473 or equivalent.

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.

ECON 5313  STATISTICS FOR BUS. DECISION MAKING
An advanced course designed to help the manager understand and conduct statistical research projects. The course includes descriptive statistics, probability sampling, hypothesis testing and specific techniques including decision making under uncertainty, analysis of variances, regression and correlation analysis, and nonparametric tests. Prereq: MATH 2053 or equivalent. This is a foundation course.

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: ECON 2103, ECON 5103, or ECON 5473.

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: ECON 2103, ECON 5103, or ECON 5473.

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: ECON 2103, ECON 5103, ECON 5473 or equivalent.

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: ECON 2103, ECON 5473, ECON 5103 or equivalent.

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: ECON 2103, ECON 5473, ECON 5103 or equivalent.

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: ECON 2103, ECON 5473, ECON 5103 or equivalent.

ECON 5403  INTERNATIONAL ECONOMICS
A comprehensive study of the theory of international trade, commercial policy, preferential trading arrangements, and topics on the balance of payments and the international adjustment mechanism. Prereq: ECON 2103, ECON 2203, or ECON 5473.

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
**Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 5473</td>
<td>SURVEY OF ECONOMIC THEORY</td>
<td></td>
<td>Introduction to economic principles, including the role of prices in the allocation of scarce resources, theory of the firm, market structures, production and employment theory, fiscal and monetary policies, interest rates, and foreign trade and exchange. This is a foundation course.</td>
</tr>
<tr>
<td>ECON 5483</td>
<td>MICROECONOMIC THEORY</td>
<td>ECON 3203.</td>
<td>Advanced analysis of the theories of demand, supply production, cost, the firm, and market organizations.</td>
</tr>
<tr>
<td>ECON 5503</td>
<td>MACROECONOMICS ANALYSIS</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>ECON 5523</td>
<td>POLICY ISSUES IN LABOR ECONOMICS</td>
<td></td>
<td>Applies labor economic theory and economic tools to the analysis of contemporary public policy issues in labor economics.</td>
</tr>
<tr>
<td>ECON 5603</td>
<td>COMPARATIVE ECONOMIC SYSTEMS</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>ECON 5893</td>
<td>APPLIED RESEARCH &amp; ANALYSIS TOOLS</td>
<td>ECON 2203, ECON 5473.</td>
<td>Provides the applied knowledge, advanced technical and library skills, and hands-on experience necessary for performing economic research and analysis.</td>
</tr>
<tr>
<td>ECON 5900</td>
<td>PRACTICUM IN ECONOMICS</td>
<td></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>ECON 5910</td>
<td>SEMINAR IN ECONOMICS</td>
<td></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>ECON 5920</td>
<td>DIRECTED READING IN ECONOMICS</td>
<td></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>ECON 5930</td>
<td>INDIVIDUAL STUDY IN ECONOMICS</td>
<td></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>ECON 5940</td>
<td>SPECIAL TOPICS IN ECONOMICS</td>
<td></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>ECON 5950</td>
<td>INTERNSHIP IN ECONOMICS</td>
<td></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>ECON 5960</td>
<td>INSTITUTE IN ECONOMICS</td>
<td></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>ECON 5970</td>
<td>STUDY TOUR</td>
<td></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>ECON 5990</td>
<td>THESIS</td>
<td></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>FIN 5000</td>
<td>WORKSHOP IN FINANCE</td>
<td></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 on a master's degree.</td>
</tr>
<tr>
<td>FIN 5203</td>
<td>CONTEMPORARY PROBLEMS IN FINANCE</td>
<td></td>
<td>A readings and case course designed to increase the practical realism of the problems faced by financial managers in the modern business world. The course provides an environment that enhances the student's understanding of textbook issues and current business problems by requiring article reviews, case analyses, report writing, oral presentations, and participatory discussions of contemporary issues in business, economics and finance.</td>
</tr>
<tr>
<td>FIN 5213</td>
<td>INSURANCE LAW</td>
<td></td>
<td>The environment of Insurance Law. This course is based on general business law, particularly the areas of tort, contract and agency law, and emphasizes the application of business law to insurance situations.</td>
</tr>
<tr>
<td>FIN 5223</td>
<td>INTERNATIONAL FINANCE</td>
<td></td>
<td>A study of the financial problems of the multinational business firm. The course includes lectures, case discussions, and contemporary readings to extend both modern and traditional theories of financial management to the area of international business operations.</td>
</tr>
<tr>
<td>FIN 5233</td>
<td>INVESTMENT ANALYSIS</td>
<td>FIN 5333.</td>
<td>A study of the various approaches to the selection and timing of investment opportunities for the individual and for the business firm. The course includes a review of traditional and modern theories of investment strategy and portfolio analysis. Case discussions, problem solving and contemporary readings are utilized.</td>
</tr>
<tr>
<td>FIN 5243</td>
<td>MONEY AND CAPITAL MARKETS</td>
<td></td>
<td>A study of the money and capital market segments of the U.S. Financial System. Emphasis is placed on the importance and role of various interest rates for lending and investment in the economy, their determination, and their measurement. The course also includes discussion of current readings, case analysis, and problem solving relating to the management of financial institutions.</td>
</tr>
<tr>
<td>FIN 5253</td>
<td>CAPITAL BUDGETING</td>
<td></td>
<td>A theory and tools course that emphasizes the economic analysis of the firm’s long-term investment opportunities. Specific emphasis is placed on determining the optimal capital budgeting techniques and processes. Extensive attention is given to the problem of explicitly incorporating risk into the analysis and to the problem of modifying decision rules when there are constraints on budget size.</td>
</tr>
<tr>
<td>FIN 5333</td>
<td>FINANCIAL ADMINISTRATION AND CONTROL</td>
<td></td>
<td>Methods and problems involved in the financial administration of the business firm. Special attention to planning for, obtaining, controlling, and allocation of funds.</td>
</tr>
</tbody>
</table>
FIN 5343  FINANCIAL MANAGEMENT  
A foundation course in financial analysis for those students entering the MBA program without a background in business administration. Knowledge of capital markets, interest rates, time value of money, valuation concepts, and financing alternatives will be emphasized.  Prereq: ACCT 2133 or ACCT 5323. This is a foundation course for the MBA program.

FIN 5353  DERIVATIVE SECURITIES  
A study of various derivative securities traded in current financial markets. The course introduces the characteristics and pricing of various derivatives (e.g., put options, call options, forward contracts, futures contracts, and swaps) and demonstrates their use in investing and portfolio management. The course includes lectures, case discussions, computer analysis, and contemporary readings.  Prereq: FIN 5333 or equivalent.

FIN 5413  FINANCIAL ANALYSIS WITH COMPUTERS  
The use of computers and information technology is examined in relation to financial topics. Topics include, but are not limited to, financial statements, cash budgets, corporate performance evaluation, financial forecasting, breakeven and leverage analysis, asset valuation, rates of return, the cost of capital, capital budgeting, investment applications, logical and financial functions, and graphs.  Prereq: FIN 5343 or equivalent.

FIN 5900  PRACTICUM IN FINANCE  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 5910  SEMINAR IN FINANCE  
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

FIN 5920  DIRECTED READING IN FINANCE  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 5930  INDIVIDUAL STUDY IN FINANCE  
Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects based on approved outlines or plans, conferences, oral and written reports.

FIN 5940  SPECIAL TOPICS IN FINANCE  
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.

FIN 5950  INTERNSHIP IN FINANCE  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

FIN 5960  INSTITUTE IN FINANCE  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FIN 5970  STUDY TOUR  
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

FIN 5990  THESIS  
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

INFORMATION SYSTEMS & OPERATIONS MANAGEMENT  
( ISOM )  
Dept. of Information Systems & Operations Management

ISOM 5000  WORKSHOP IN INFO. SYS. & OPER. MGMT.  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted on a master’s degree.

ISOM 5043  MANAGEMENT OF INFORMATION TECH  
Examine how information technology is applied to common business processes from the point of view of a manager. Topics include decision support tools for operations and management decision making, systems planning, development and implementation, and a review of information technology. Special attention is paid to financial, marketing, and manufacturing and production information systems including case studies. This is a foundation course.

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.

ISOM 5243  DATABASE DESIGN & IMPLEMENTATION  
This course examines the fundamental concepts necessary for planning, designing, using, and implementing database systems. This course will stress database modeling and design, the languages and facilities provided by database management systems, and system implementation techniques. Through case studies, students will be asked to apply concepts learned to solve actual database management systems problems in business organizations.  Prereq: 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: ISOM 5143.

ISOM 5533  MANAGEMENT SCIENCE  
This course is designed to lead students through the fields of management science/operations research and their applications in the business world, with an emphasis on modeling. The topics covered in this course include decision theory, utility theory, forecasting, linear programming modeling, the simplex method, sensitivity analysis, the transportation and assignment models, and project management. Students are introduced to the use of computer software packages which are designed for the analysis of a wide variety of business problems.  Prereq: ECON 5313 or equivalent.

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: 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
Course Descriptions

in the business world. Covered topics include decision theory, queuing, simulation, goal programming, integer programming, and the implementation of management science in organizations. Prereq: ISOM 5533.

**ISOM 5900** PRACTICUM IN INFO 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 INFO SYS & 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 INFO SYSTEMS & OPER. 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 INFO 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 INFO SYSTEMS & OPERATIONS MANAGEMENT
Credit may vary from 1 to 8 hours.

**ISOM 5960** INSTITUTE IN INFO 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 6 hours. Subject matter will vary within the department’s field of study.

**LEGAL STUDIES (LS)**
Department of General Business

**LS 5023** LEGAL & REGULATORY ENVIRONMENT OF BUS.
This is a foundation course and cannot be counted as an MBA elective. This course studies the legal environment within which a business must operate. Nature and sources of law, operation of the judicial system, operation of administrative agencies, and selected substantive legal areas having a direct relationship with business operation and decision making.

**LS 5910** SEMINAR 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. Supervised practical experience gained in a professional field by an advanced or graduate student.

**LS 5990** THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.

**MANAGEMENT (MGMT)**
Department of Management

**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 on 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.

**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: Nine hours of management or permission required.

**MGMT 5103** MANAGEMENT OF ORGANIZATIONS
This course is to prepare students for a career as a manager and familiarize them with the field of management. Topics include (1) management theories, (2) ethics, (3) problem solving and decision making, (4) organizational theory, (5) leadership and motivation, (6) control of organizations, and (7) international implications of managing. Analysis and discussion of common business problems are also included. This is a foundation course for the MBA program.

**MGMT 5203** INTERNATIONAL MANAGEMENT
This course aims at developing student’s knowledge and awareness of international management operations, practices, and environment. Students will learn the process of planning, organizing, directing, and controlling international business activities and operations. The course objectives are met through lectures, classroom discussions, library assignments, and research work. Prereq: MGMT 5103 or equivalent.

**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: 15 hours of graduate courses applicable to MBA degree must be completed prior to enrolling in this course.
**Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 5563</td>
<td>CORPORATE SOCIAL RESPONSIBILITY &amp; BUSINESS ETHICS</td>
<td>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.</td>
</tr>
<tr>
<td>MGMT 5900</td>
<td>PRACTICUM IN MANAGEMENT</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>MGMT 5910</td>
<td>SEMINAR IN BUSINESS MANAGEMENT</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>MGMT 5920</td>
<td>DIRECTED READING IN MANAGEMENT</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>MGMT 5930</td>
<td>INDIVIDUAL STUDY IN BUS. MANAGEMENT</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>MGMT 5940</td>
<td>SPECIAL TOPICS IN MANAGEMENT</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>MGMT 5950</td>
<td>INTERNSHIP IN MANAGEMENT</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>MGMT 5960</td>
<td>INSTITUTE IN MANAGEMENT</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>MGMT 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>MGMT 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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</tbody>
</table>

**MILITARY SCIENCE (MLSC)**

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MLSC 5000</td>
<td>WORKSHOP IN MILITARY SCIENCE</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 on a master’s degree.</td>
</tr>
<tr>
<td>MLSC 5900</td>
<td>PRACTICUM IN MILITARY 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>MLSC 5910</td>
<td>SEMINAR IN MILITARY 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>MLSC 5920</td>
<td>DIRECTED READING IN MILITARY 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>MLSC 5930</td>
<td>INDIVIDUAL STUDY IN MILITARY 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>MLSC 5940</td>
<td>SPECIAL TOPICS IN MILITARY 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>
</tbody>
</table>

**MARKETING (MRKT)**

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MRKT 5000</td>
<td>WORKSHOP IN MARKETING</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 on a master’s degree.</td>
</tr>
<tr>
<td>MRKT 5123</td>
<td>MARKETING MANAGEMENT</td>
<td>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. <strong>Prereq:</strong> MRKT 3013 or MRKT 5303</td>
</tr>
<tr>
<td>MRKT 5143</td>
<td>MARKETING FOR THE NONPROFIT ORG.</td>
<td>A study of application of marketing concepts in nonprofit 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. <strong>Prereq:</strong> 6 hours of Marketing.</td>
</tr>
<tr>
<td>MRKT 5223</td>
<td>CURRENT ISSUES, TRENDS, AND PROBLEMS IN MARKETING</td>
<td>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. <strong>Prereq:</strong> 6 hours of Marketing.</td>
</tr>
<tr>
<td>MRKT 5303</td>
<td>MARKETING STRATEGIES</td>
<td>The course examines the marketing management decision-making process for an organization that must develop and implement strategies to meet the product and service needs of customers. Marketing’s role in organizational strategy is discussed as an integrated marketing strategy process is developed. You will examine and apply: (1) coordinating business and marketing strategy; (2) marketing situations analysis; (3) designing marketing strategy; (4) marketing program development; and (5) implementing and managing marketing strategy. Students develop marketing strategy analysis, planning, and control capabilities by studying and applying textbook concepts, class discussion, and analysis of marketing practices of firms (using cases, exercises, and strategic applications). This is a foundation course. <strong>Prereq:</strong> MRKT 5123</td>
</tr>
</tbody>
</table>
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  
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.
College of Business Administration

Administrative Officers

Dean, Thomas E. Boyt
Assistant Dean, Timothy R. Bridges

Graduate Faculty

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

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

Lorren H. Beavers, B.S., Oklahoma State University, 1963; M.S., Oklahoma State University, 1964; Ed.D., University of Oklahoma, 1974

Linda Behrens, B.S., Southeastern Oklahoma State University, 1982; M.Ed., Southeastern Oklahoma State University, 1983; Ed.D., Oklahoma State University, 1985

Thomas P. Bergman, B.S., Northeastern Oklahoma State University, 1976; M.B.A., Northeastern Oklahoma State University, 1981; Ph.D., University of Oklahoma, 1993

Stephen Black, B.S., Texas A&M University, 1982; M.B.A., Oklahoma City University, 1985; Ph.D., Oklahoma State University, 1995

Thomas E. Boyt, B.S., U.S. Air Force Academy, 1973; D.V.M., Colorado State University, 1980; Ph.D., University of Oklahoma, 1994

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

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

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

*William R. Corum, B.S., Millikin University, 1966; J.D., Oklahoma City University, 1976


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

Warren Dickson, B.F.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1994

Alexis Downs, B.A., University of Wisconsin-Oshkosh, 1975; M.A., Oklahoma State University, 1978; M.Acc., University of Oklahoma, 1982; Ph.D., St. Louis University, 1998

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

Robert H. Epstein, B.S., Cornell University, 1973; M.A., University of Denver, 1974; M.A., University of Southern California, 1976; Ph.D., University of Southern California, 1978

*Darrell Ford, J.D., M.B.A., University of Texas, 1986

Larry L. Foster, B.S., Oklahoma State University, 1962; J.D., University of Oklahoma, 1965

John Garic, B.A., University of New Orleans, 1976; J.D. Loyola University School of Law, 1979; M.Ed., University of New Orleans, 1994

Anne Gleason, B.S., Duke University, 1981; Ph.D., Florida State University, 1990

Darrell Goudge, 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

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

Billye Hansen, B.S., Oklahoma State University, 1968; M.Ed., University of Central Oklahoma, 1971; Ed.D., Oklahoma State University, 1984

David J. Harris, B.A., University of Washington, 1981; M.Mgmt., Williamette University, 1986; J.D., Williamette University, 1986

*David Hartmann, B.S., United States Air Force Academy, 1969; M.S., Air Force Institute of Technology, 1976; M.B.A., College of William and Mary, 1987

Daniel Haskin, B.S., West Texas State University, 1968; B.B.A., Texas Tech University, 1974; M.S.Acc., Texas Tech University, 1976; Ph.D., Texas Tech University, 1982

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

Bambi Hora, B.S., Oklahoma State University, 1981; M.Acct.S., Northern Illinois University, 1983; J.D., University of Oklahoma, 1998

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

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


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

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

Minje Jung, B.S., Seoul National University, Korea, 1975; M.B.A., Seoul National University, Korea, 1983; Ph.D., Florida State University, 1989
### College of Business Administration

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carol Knapp</td>
<td>B.A., University of Oklahoma, 1974; M.Acc., University of Oklahoma, 1993; Ph.D., University of Oklahoma, 1995</td>
</tr>
<tr>
<td>Chung Ja Liew</td>
<td>B.S., University of California-Berkeley, 1965; M.A., University of Oklahoma, 1973; Ph.D., University of Oklahoma, 1977</td>
</tr>
<tr>
<td>Don Maxwell</td>
<td>B.A., University of Texas at Arlington, 1973; M.S., Baylor University, 1975; Ph.D., Oklahoma State University, 1982</td>
</tr>
<tr>
<td>Nancy R. McClure</td>
<td>B.B.A., Texas Tech University, 1980; M.B.A., Texas Tech University, 1982; Ph.D., Texas Tech University, 1995</td>
</tr>
<tr>
<td>Michael R. Metzger</td>
<td>B.S., University of Oklahoma, 1972; M.A., University of Oklahoma, 1973; Ph.D., Stanford University, 1978</td>
</tr>
<tr>
<td>Mary Lisa Miller</td>
<td>B.S., Southeastern Oklahoma State University, 1984; M.S., Oklahoma State University, 1986; Ed.D., Oklahoma State University, 1988</td>
</tr>
<tr>
<td>William F. Morey</td>
<td>B.A., Ohio University, 1957; M.A., University of Oklahoma, 1972; Ph.D., Southern Illinois University-Carbondale, 1986</td>
</tr>
<tr>
<td>David E. Noel</td>
<td>B.S., Southern Illinois University, 1972; M.B.A., Western Illinois University, 1974; M.S., Texas Tech University, 1984; Ph.D., Arizona State University, 1992</td>
</tr>
<tr>
<td>Barbara Parrish</td>
<td>B.A., Friends University, 1962; M.S., Wichita State University, 1981; Ph.D., University of Arkansas, 1994</td>
</tr>
<tr>
<td>Ralph W. Parrish</td>
<td>B.B.A., Wichita State University, 1977; M.B.A., Wichita State University, 1982; Ph.D., University of Arkansas, 1994</td>
</tr>
<tr>
<td>Hassan Pourbabae</td>
<td>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</td>
</tr>
<tr>
<td>Robert Richards</td>
<td>B.A., Oklahoma City University, 1965; M.L., Golden Gate University, 1996; J.D., Thomas Jefferson School of Law, 1993</td>
</tr>
<tr>
<td>Charles A. Rickman</td>
<td>B.S.B.A., Missouri Southern State College, 1985; M.B.A., University of Missouri-Columbia, 1986; Ph.D., University of Oklahoma, 1990</td>
</tr>
<tr>
<td>Rich Rudebock</td>
<td>B.B.A., Kent State University, 1974; M.Ed., Texas Tech University, 1978; Ed.D., Oklahoma State University, 1999</td>
</tr>
<tr>
<td>Sue Lynn Sasser</td>
<td>B.A., University of Central Oklahoma, 1976; M.S., University of Central Oklahoma, 1980; Ph.D., Texas Woman’s University, 1983</td>
</tr>
<tr>
<td>Larry J. Seibert</td>
<td>B.S., Purdue University, North Central, 1984; M.S.B.A., Indiana University Northwest, 1986; Ph.D., Purdue University, 1994</td>
</tr>
<tr>
<td>Mohamad Shaaf</td>
<td>B.S., Pahlavi University, Shiraz, Iran, 1972; M.B.A., University of Texas of the Permian Basin, 1976; Ph.D., Texas Tech University, 1982</td>
</tr>
</tbody>
</table>

### Graduate Faculty

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Mary Flanagan Sheets</td>
<td>B.S., Oklahoma City University, 1980; M.S., Oklahoma State University, 1988; Ph.D., University of Oklahoma, 1995</td>
</tr>
<tr>
<td>Michael Shirley</td>
<td>B.A., Oklahoma State University, 1978; J.D., University of Oklahoma, 1981</td>
</tr>
<tr>
<td>Charles C. Stumbaugh</td>
<td>B.S., Northeastern Oklahoma State University, 1963; M.S., Oklahoma State University, 1964; Ph.D., University of Oklahoma, 1975</td>
</tr>
<tr>
<td>Robert L. Terrell</td>
<td>B.B.A., University of Oklahoma, 1969; M.B.A., University of Central Oklahoma, 1971; Ed.D., Oklahoma State University, 1992</td>
</tr>
<tr>
<td>Tom L. Trittipo</td>
<td>B.B.A., University of Central Oklahoma, 1973; B.S., Oklahoma Baptist University, 1975; M.Ed., University of Central Oklahoma, 1977; Ph.D., University of Oklahoma, 1985</td>
</tr>
<tr>
<td>Kim J. Tullis</td>
<td>B.S., Southern Nazarene University, 1977; M.B.A., University of Houston, 1988; Ph.D., University of Arkansas, 1996</td>
</tr>
<tr>
<td><em>Earle Wagner</em></td>
<td>B.S., Oklahoma State University, 1960; C.P.A., Oklahoma State University, 1962; J.D., Oklahoma City University, 1970</td>
</tr>
<tr>
<td><em>Renee Warning</em></td>
<td>B.B.A., University of Central Oklahoma, 1986; M.B.A., University of Central Oklahoma, 1989; Ed.D., Oklahoma State University, 1992</td>
</tr>
<tr>
<td>Stacia Wert-Gray</td>
<td>B.S., University of Arizona, 1981; M.B.A., University of Arizona, 1985; Ph.D., University of Oklahoma, 1993</td>
</tr>
<tr>
<td>Janice K. Williams</td>
<td>B.S., Oklahoma State University, 1969; M.B.A., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1993</td>
</tr>
<tr>
<td>Mary E. Williams</td>
<td>B.S.Ed., Langston University, 1973; M.Ed., Northeastern Oklahoma State University, 1977; Ph.D., University of Oklahoma, 2001</td>
</tr>
<tr>
<td>P. Geoffrey Willis</td>
<td>B.S., Vanderbilt University, 1984; M.S., Texas Tech University, 1992; Ph.D., Texas Tech University, 1994</td>
</tr>
<tr>
<td>Zhen Zhu</td>
<td>B.S., People’s University of China, 1985; M.A., Bowling Green State University, 1987; Ph.D., University of Michigan, 1994</td>
</tr>
</tbody>
</table>

*Associate Member*
College of Education
The Master of Education 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 M.Ed. in Adult Education Program:

Students seeking an M.Ed. in Adult Education must fulfill the following requirements before being formally admitted to the program:

A. Apply for admission to the CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

II. M.Ed. 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.

<table>
<thead>
<tr>
<th>Area A - Common courses for both options</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADED 5453 Psychology of Adult Development</td>
<td></td>
</tr>
<tr>
<td>ADED 5913 Gerontology Research OR</td>
<td></td>
</tr>
<tr>
<td>PTE 5013 Foundations of Educational Research</td>
<td></td>
</tr>
</tbody>
</table>

| 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 |

Specific curriculum information can be obtained from the Occupational and Technology Education Office or the College of Education Office.

General Comments

Students who are interested in this degree must consult the advisor before starting the program. Although the basic program is established, elective hours may be selected by each student with the advisor’s approval. The degree program has been established to accommodate a wide variety of needs and interests of the adult population. The emphasis in the Gerontology option is on the “humanistic” approach, recognizing that aging is a developmental stage.

Anticipated Interest Groups for Gerontology Option:

A. Students who are interested in working with the elderly.
B. Nursing home personnel including administrators, activity directors, and nurses.
C. People in health occupations.
D. Directors, outreach workers, etc., involved with senior citizen centers, retirement homes, mobile meals programs, agencies currently working with the elderly, e.g., area wide agency on aging.
E. Administrators of adult education programs in business, industry, churches, municipalities, military services, etc.
F. Adult education teachers and counselors.

Anticipated Interest Groups for Community Service Option:

A. Business and industry trainers.
B. Educational consultants.
C. External trainers and consultants.
D. Career and technology students.
E. Administrators of adult education programs in business, industry, churches, municipalities, military services, etc.
F. Adult education teachers and counselors.
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 Constructionist 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 of concern will include: assessment issues and techniques, multicultural aspects of 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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. Supply the CGS&R with a current Oklahoma Standard Teaching Certificate or License in Early Childhood Education.

II. Early Childhood Education Curriculum 34 hrs

Professional Education 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Foundations of Educational Research</td>
</tr>
<tr>
<td>ECED 5223</td>
<td>Educ. Practices of Constructivist Teachers</td>
</tr>
<tr>
<td>ECED 5153</td>
<td>Developmental Assessment Issues in Early Childhood</td>
</tr>
<tr>
<td>ECED 5433</td>
<td>Theoretical Perspectives of Learning and Practice</td>
</tr>
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Early Childhood Education 15 hrs

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECED 5942</td>
<td>Professionalism and Advocacy in Early Childhood (to be taken within the first six hours of the program)</td>
</tr>
<tr>
<td>ECED 5232</td>
<td>Affirming Diversity: Multicultural Education in Practice</td>
</tr>
<tr>
<td>ECED 5042</td>
<td>Parent Education I</td>
</tr>
<tr>
<td>ECED 5062</td>
<td>Parent Education II</td>
</tr>
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<td>ECED 5082</td>
<td>Parent Education III</td>
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<tr>
<td>ECED 5102</td>
<td>Parent Education IV</td>
</tr>
<tr>
<td>ECED 5903</td>
<td>Practicum: Early Childhood (Required Capstone experience to be taken during the last six hours of program)</td>
</tr>
</tbody>
</table>

Electives (approved) 7 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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</table>


Program: Education

Degree: Master of Education (M.Ed.)

College: 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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R who does not meet the program admission standards.

B. Meet the GPA requirement of 2.50 overall, or 2.75 in the last 60 hours attempted.

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

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 CGS&R before completion of the first semester.

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

II. General Education Option Curriculum

<table>
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<tr>
<th>Area</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Professional Education</td>
<td>11-12 hrs</td>
</tr>
<tr>
<td>1. Methods of Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. History/Philosophy</td>
<td>2-3 hrs</td>
</tr>
<tr>
<td>3. Curriculum Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>4. Measurement/Assessment</td>
<td>3 hrs</td>
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<tr>
<td>Specialization Area</td>
<td>21-22 hrs</td>
</tr>
<tr>
<td>Approved Electives to total</td>
<td>33-34 hrs</td>
</tr>
</tbody>
</table>

The student and his/her advisor will determine the specific courses when the plan of study for the master's program is constructed. Special curricular information can be obtained from the program advisor or the CGS&R.

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 CGS&R, Room 404, UC. See page 20.
Secondary Education

(Capstone Experience is to be completed during the last Spring semester of enrollment)

Select one of the following three courses:
- PTE 5142 History of Education
- PTE 5172 Educational Sociology
- PTE 5112 Modern Philosophies of Education

Select three hours minimum from any of the following courses:
- IME 5042 Microcomputers in the Classroom
- PTE 5283 Fund of Curriculum Development for Secondary Schools
- PTE 5383 Principles of Tests and Measurements
- PTE 5413 Educational Statistics

Any of the following that was not completed for AREA A:
- PTE 5112 Modern Philosophies of Education
- PTE 5142 History of Education
- PTE 5172 Educational Sociology

II. Secondary Education Option Curriculum 32 hrs

The student will designate the area of specialization he/she wishes to study as part of the Master of Education in Education - Secondary Education Option. A minimum of eight hours in the Teaching Specialty area are to be hours beyond those required for certification requirements. The degree program is designed for those who have already acquired certification, and who wish to increase and improve their knowledge in that area. However, if the student wishes to pursue this program in an area in which the student has not met certification requirements, he/she should understand that these hours must be completed in addition to the requirements for the M.Ed. in Education Program.

A. Professional Education 15 hrs min
   1. Professional Education Required Course Work-12 hrs
      - PTE 5013 Foundations of Educational Research
      - PTE 5203 Advanced Educational Psychology
      - PTE 5832 Advanced Psychology of Adolescence
      - PTE 5912 Capstone Experience - Seminar

   2. Professional Education Electives-3 hrs min
      Select three hours minimum from any of the following courses:
      - IME 5042 Microcomputers in the Classroom
      - PTE 5283 Fund of Curriculum Development for Secondary Schools
      - PTE 5383 Principles of Tests and Measurements
      - PTE 5413 Educational Statistics
      - Any of the following that was not completed for AREA A:
         - PTE 5112 Modern Philosophies of Education
         - PTE 5142 History of Education
         - PTE 5172 Educational Sociology

   3. Approved Related Electives to total 32 hours
      Additional courses taken from Areas A or B above or courses taken for graduate credit that count toward teacher certification may be counted in this area.

      The CGS&R requires written approval from the Program Coordinator for courses not taken under “A” or “B” above.

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 CGS&R, Room 404, UC. See page 20.

   Note: No student will be admitted to this program or to the CGS&R who does not meet the admission standards.

B. 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.”

C. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.
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 CGS&R before completion of the first semester.

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

G. Supply the CGS&R with a current Oklahoma Standard Teaching Certificate or License, or have completed six hours of undergraduate education courses above the 2000 level, as determined by the graduate advisor.

II. Bilingual Education/TESL Option Curriculum 33 hrs

The student will designate the area of specialization he/she wishes to study as part of the Master of Education - Bilingual Education/TESL Option.

A minimum of eight hours in the Teaching Specialty area are to be hours beyond those required for certification requirements. The degree program is designed for those who have already acquired certification, and who wish to increase and improve their knowledge in that area. However, if the student wishes to pursue this program in an area in which the student has not met certification requirements, he/she should understand that these hours must be completed in addition to the requirements for the M.Ed. in Education Program.

A. Professional Education 11-12 hrs

One course from each area
1. Methods of Research
2. History and Philosophy
3. Media and Curriculum Development
4. Measurement and Psychology

B. Specialization 21-22 hrs

15-16 hours required
1. Second Language Acquisition and Instructional Methods
   TESL 5763 Second Language Acquisition
   TESL 5783 Teaching English as a Second Language
   TESL 5143 Teaching Reading to English Language Learners
   TESL 5163 ESL in Content Areas
   TESL 5133 Methods and Materials in Bilingual Instruction
   TESL 5213 Cultural/Linguistic Diversity in the School
   TESL 5901-3 Practicum

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

C. Approved Electives to total 33-34 hours

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.
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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. Gain admission to the Educational Administration program.

G. Successfully complete the admission notebook and interview requirement before completion of 9 graduate hours.

H. Obtain three satisfactory recommendations from University of Central Oklahoma faculty members. Recommendation forms may be obtained from the CGS&R.

I. Supply the CGS&R with a document showing that you possess a current Oklahoma Standard Teaching Certificate or License.

J. Successfully complete the School Administration Portfolio.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Foundation of Education 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 Psych.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5453</td>
<td>Interpersonal Relationships/School Administra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5673</td>
<td>School Personnel Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5683</td>
<td>Curriculum Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5353</td>
<td>Computer Applications and Technology for School Administrations</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 5583</td>
<td>Public School Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EADM 5814</td>
<td>Principalship/Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

* Courses marked with an asterisk must be taken within the first nine hours of the program of study at UCO.
The Elementary Education program is designed to provide a more advanced program of study for teachers in Elementary Schools 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 pupil’s program 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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. Obtain three satisfactory recommendations from University of Central Oklahoma Faculty members. Recommendation forms may be obtained from the CGS&R.

G. Supply the CGS&R with a document showing a current Oklahoma Standard Teaching Certificate or License in Elementary Education.

II. M.Ed. in Elementary Education Curriculum  36 hrs

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. (These double-listed undergraduate/graduate (4000/5000) level courses will be specifically listed by course number on the Plan of Study.) It is possible that certification requirements and the student teaching experience will exceed the 12 hours, but will be necessary to apply for certification. This component must be completed prior to the Professional Education and Elementary Education core graduate courses.

Professional Education - Required 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Foundations of Educational Research</td>
</tr>
</tbody>
</table>

Take one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5823</td>
<td>Advanced Psychology of Childhood OR</td>
</tr>
<tr>
<td>PTE 5153</td>
<td>Advanced Developmental Psychology in an Educational Setting</td>
</tr>
</tbody>
</table>

Elementary Education Core - Required 18 hrs

Take each course in this section:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELED 5253</td>
<td>Inquiry Science for Elementary Teachers</td>
</tr>
<tr>
<td>ELED 5733</td>
<td>Teaching for Mathematics Understanding</td>
</tr>
<tr>
<td>ELED 5223</td>
<td>Literature-Based Language Arts Instruction</td>
</tr>
<tr>
<td>ELED 5753</td>
<td>Social Studies in a Global Environment</td>
</tr>
<tr>
<td>READ 5913</td>
<td>The Balanced Reading Program - from Phonics to Comprehension</td>
</tr>
<tr>
<td>ELED 5913</td>
<td>Elementary Educ. Capstone Seminar</td>
</tr>
</tbody>
</table>

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
Program:  Family and Child Development
Degree: Master of Science (M.S.)

The Master of Science in Family and Child Development 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 Development 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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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 earned.

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

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 CGS&R before completion of the first semester.

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

---

1. Family and Child Development

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HES 5323</td>
<td>Creative Leadership</td>
</tr>
<tr>
<td>PTE 5013</td>
<td>Foundations of Education Research</td>
</tr>
</tbody>
</table>

Choose One Option

<table>
<thead>
<tr>
<th>6-7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMCD 5956</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>PTE 5413</td>
</tr>
<tr>
<td>FMCD 5994</td>
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</table>

Specialization

<table>
<thead>
<tr>
<th>28 hrs</th>
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</thead>
<tbody>
<tr>
<td>FMCD 5911</td>
</tr>
<tr>
<td>FMCD 5912</td>
</tr>
<tr>
<td>FMCD 5023</td>
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<tr>
<td>FMCD 5043</td>
</tr>
<tr>
<td>FMCD 5363</td>
</tr>
<tr>
<td>FMCD 5373</td>
</tr>
<tr>
<td>FMCD 5413</td>
</tr>
<tr>
<td>ADED 5463</td>
</tr>
<tr>
<td>SAS 5xx3</td>
</tr>
<tr>
<td>3 hours of approved electives</td>
</tr>
</tbody>
</table>

Prerequisites:

| FMCD 2213 | Child Development |
| FMCD 3313 | Guidance of the Young Child |
| FMCD 2313 | Marriage |
| 3 hours of statistics |

Family and Consumer Science Education

This program is designed for teachers of family and consumer sciences who would like to enhance their educational standing. It can also lead to teacher certification (Family and Consumer Science endorsement). The curriculum can accommodate a wide variety of student's needs and interests in Family and Consumer Science Education (FACS).

After completing the 9 credit hours of HES core courses, a plan of study is designed to fit each student’s prior undergraduate curriculum, experiences and professional goals. Students with minor prior preparation in the FACS area will have specific prerequisite undergraduate course work to complete before teacher certification. Students who are interested in a Master of Science-Family and Consumer Science Education degree should discuss their plan of study with the curriculum coordinator prior to enrollment.

Courses are to be selected from the following areas:

- Human Environmental Sciences
- Professional Teacher Education
- Occupational Technology Education

ELECTIVE hours selected by each student must have prior approval of the advisor.
This program is pending approval by the Oklahoma State Regents for Higher Education.

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 Education 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 CGS&R, 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 Education 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 CGS&R and to the Education 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 advisor for those interested in counseling at the elementary level is: Dr. Patti Buxton, Room 133, Chambers Library, e-mail pbuxton@ucok.edu or call 405-974-5446.

The primary advisor for those interested in counseling at the secondary level is: Dr. Jerry Chandler, Room 128, Chambers Library, e-mail jchandler@ucok.edu or call 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 end of final exam week. 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 and GUID 5013 Principle of Guidance and Counseling. 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 CGS&R.” 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 CGS&R” 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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. 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
Program: Guidance and Counseling
Degree: Master of Education (M.Ed.)

College: Education

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.

G. 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, the practicum 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 CGS&R 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 CGS&R.

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.)

The Master of Education in Instructional Media has two major options:
- 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 Pre-K 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 School Library Media Specialist certification.

Completion of these degree requirements alone will not satisfy certification requirements for the standard School Library Media Specialist certificate. Please refer to the certification guidelines in this section.

The **Applied Technology option** is designed for those individuals desiring to work as technology teachers/trainers in either education or an industry setting.

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 industrial job markets in technology training.

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 CGS&R, Room 404, UC. See page 20.

**Note:** No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. Supply the CGS&R with a copy of a current Oklahoma Standard Teaching Certificate or License.

II. Library Information Option – Curriculum 36 hours

A. Core Courses - Required 15 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Foundations of Education Research</td>
</tr>
<tr>
<td>IME 5133</td>
<td>Production I</td>
</tr>
<tr>
<td>IME 5543</td>
<td>Instructional Design &amp; Development I</td>
</tr>
<tr>
<td>IME 5863</td>
<td>Production II</td>
</tr>
<tr>
<td>IME 5953</td>
<td>Internship in Instructional Media</td>
</tr>
</tbody>
</table>

B. Major Courses – Required 18 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IME 5013</td>
<td>Library Materials for Secondary Schools</td>
</tr>
<tr>
<td>IME 5023</td>
<td>Materials Selection</td>
</tr>
<tr>
<td>IME 5053</td>
<td>Administration of the School Media Center</td>
</tr>
<tr>
<td>IME 5233</td>
<td>Library Materials for Elementary Schools</td>
</tr>
<tr>
<td>IME 5423</td>
<td>Reference &amp; Bibliography</td>
</tr>
<tr>
<td>IME 5453</td>
<td>Cataloging &amp; Classification</td>
</tr>
</tbody>
</table>

C. Secondary Courses – Elective 3 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IME 5033</td>
<td>Learning Theory &amp; Communication</td>
</tr>
<tr>
<td>IME 5223</td>
<td>PR in the Information Age</td>
</tr>
<tr>
<td>IME 5523</td>
<td>Library Automation</td>
</tr>
</tbody>
</table>

**Note:** Library Information students may also take any of the courses from the Applied Technology option to meet the elective hours requirement.

III. Applied Technology Option – Curriculum 36 hours

A. Core Courses - Required 15 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Foundations of Education Research</td>
</tr>
<tr>
<td>IME 5133</td>
<td>Production I</td>
</tr>
<tr>
<td>IME 5543</td>
<td>Instructional Design &amp; Development I</td>
</tr>
<tr>
<td>IME 5863</td>
<td>Production II</td>
</tr>
<tr>
<td>IME 5953</td>
<td>Internship in Instructional Media</td>
</tr>
</tbody>
</table>

B. Major Courses – Required 21 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IME 5143</td>
<td>Instructional Tech Foundations</td>
</tr>
<tr>
<td>IME 5243</td>
<td>Effective Writing in Instructional Tech</td>
</tr>
<tr>
<td>IME 5313</td>
<td>Collaborative Design of Multimedia Materials</td>
</tr>
<tr>
<td>IME 5323</td>
<td>Issues in Distance Education</td>
</tr>
<tr>
<td>IME 5413</td>
<td>Managing Computer and Information Centers</td>
</tr>
<tr>
<td>IME 5613</td>
<td>Instructional Design and Development II</td>
</tr>
<tr>
<td>IME 5713</td>
<td>Evaluation and Change in the Instructional Development Process</td>
</tr>
</tbody>
</table>

(prerequisites 5543 & 5613)
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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

Nutrition and Food Management 32 hrs

The plan of study may be selected from the following:

- PTE 5013 Foundations 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
- *NTRN5950 Internship: Nutrition/Food Management
- *NTRN5913 Food Service Financial Management
- *NTRN5893 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
- NTRN5102 Newer Trends in Nutrition
- *NTRN5213 Management of Nutrition Services
- *NTRN5033 Nutrition Education
- *NTRN5322 Nutrition Assessment
- NTRN 5332 Computers in Nutrition and Food Mgmt.
- 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.
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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a "Recommendation for Admission to the College of Graduate Studies and Research" form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. Obtain three satisfactory recommendations from University of Central Oklahoma faculty members. Recommendation forms may be obtained from the CGS&R.

G. 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 to the CGS&R.

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

A. Education and Psychological Foundations 16-24 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
The Master of Arts in Psychology has been designed as a flexible, multipurpose degree program with professional psychology as its foundation. Within this major, students may select from the following options: General Experimental; Counseling; and School Psychology. Degree programs are structured to provide the knowledge and skills necessary to qualify students for specialized employment opportunities and/or the preparation necessary to pursue the doctoral degree in psychology.

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 CGS&R, Room 404, UC. See page 20.

   Note: No student will be admitted to this program or to the CGS&R who does not meet the program admission standards.

   B. Meet the GPA requirement of 2.50 overall, or 2.75 in the last 60 hours attempted.

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

   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 CGS&R before completion of the first semester.

   E. Attain a combined score of 900 on any two of the three GRE sub-scales, either Verbal and Quantitative, Verbal and Analytical, or Quantitative and Analytical OR attain 3.5 or greater on the GRE Writing Assessmen Test.

   F. 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 3903 Physiological Psychology
- PSY 4753 Abnormal Psychology
- PSY 4763 Psychology of Learning

G. 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 CGS&R.

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

Core Curriculum 23-25 hrs

A. Core Courses 19 hrs
   - PSY 5051 Professional Career Planning
   - PSY 5013 BioSocial Psychology
   - PSY 5033 Gender and Cultural Diversity
   - PSY 5143 Advanced Developmental Psych.
   - PSY 5193 Experimental Design
   - PSY 5563 Advanced Social Psychology
   - PSY 5633 Modern Learning Theories

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 require-
Program: Psychology

Master of Arts (M.A.)

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 ethical and legal standards of behavior for counselors and consistently function in an ethical, professional manner;
- develop and demonstrate skills in creating effective professional relationships that facilitate the counseling process;
- develop and demonstrate effectiveness in working with diverse models, theories, and techniques that are helpful in the counseling process;
- develop and demonstrate skills in selecting, administering and interpreting individual and group psychodiagnostic instruments appropriate to one’s level of training;
- develop an understanding of the importance of the science of psychology, applied research, and scientific inquiry and their contributions to the counseling process;
- develop and demonstrate skills in working within a multicultural context and with individuals who are culturally diverse.

The Counseling option requires a minimum of 60 graduate hours. In addition to the core courses required for all M.A. students, the program also requires that students complete course work in counseling (individual, group, marriage, and family), diagnostic testing, legal and ethical aspects of counseling, psychopathology and other counseling-related areas. Specific course requirements are determined by the Counseling Training Committee and/or advisor/s.

As part of the curriculum, students will complete two consecutive semesters of practicum in counseling, mental health, or youth and family centers in the Edmond or greater Oklahoma City area. During practicum, students provide services, under supervision, to a diverse clientele. Due to the serious nature of counseling with individuals and families, students will be periodically reviewed by the Counseling Training Committee regarding their readiness to engage in such a process. Student performance during the course of study will be used to assess whether the student has acquired the minimum counseling skills necessary for practicum placement. Concerns by individual instructors will be addressed by the Training Committee and students will be notified concerning any remediation considered necessary. All students requesting practicum placement will also be reviewed by the Training Committee prior to receiving permission to enroll. Students deemed not ready will be so advised and provided with suggestions for remediation.

Students in the counseling program are typically working towards Licensure as a Professional Counselor (LPC) in Oklahoma. This license requires that applicants complete a master’s degree with at least sixty hours of counseling-related course work. Further information concerning licensure may be obtained from the office of Licensed Professional Counselors of the Oklahoma State Department of Health.

C. School Psychology Option

The School Psychology Program option requires a minimum of 60 graduate credit hours. In addition to the core courses required for all M.A. students, students choosing the School Psychology option must also enroll in 12 hours of diagnostic courses, 6 hours of counseling, and other course work as determined by the advisor/s.

The program prepares graduates to provide psychological services in public and private schools and other mental health agencies.

By the end of their training, students are expected to:

- understand and integrate into practice the principles of professional school psychology;
- demonstrate knowledge and skills in a comprehensive range of assessment, diagnosis, evaluation, and eligibility or 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.
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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R who does not meet the program admission standards.

B. Meet the GPA requirement of 2.50 overall, or 2.75 in the last 60 hours attempted.

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

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 CGS&R before completion of the first semester.

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

F. Provide the CGS&R with an official combined score of 900 on two of the three GRE sub-scales, either Verbal + Quantitative; Verbal + Analytical; or Quantitative + Analytical before completion of 8 Graduate hours.

NOTE: If a deficiency exists in one of the areas listed under “B and F”, 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).

G. 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.

H. Permission from the Reading Program Director.

I. Obtain three satisfactory recommendations from University of Central Oklahoma graduate faculty members. Recommendation forms may be obtained from the CGS&R.

J. Supply the CGS&R with a document showing a current Oklahoma Standard Teaching Certificate or License.

II. M.Ed. in Reading Curriculum

<table>
<thead>
<tr>
<th>Core Reading Block</th>
<th>32 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>19 hrs</td>
</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>
</tbody>
</table>

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

- Professional Education: 12-14 hrs
  - Research: 3 hrs
  - Foundations: 2 hrs
  - Curriculum Development: 3 hrs
  - Measurement: 2-3 hrs
  - Theories and Methods of Learning: 2-3 hrs

Elecove 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 successfully 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 learning disabilities, mental retardation, and emotional/behavioral disorders 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 CGS&R, Room 404, UC. See page 20.

   **Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

D. The student’s 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 CGS&R before completion of the first semester.

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

F. Obtain three satisfactory recommendations from the University of Central Oklahoma faculty members. Recommendation forms may be obtained from the CGS&R.

G. Supply the CGS&R with a current Oklahoma Standard Teaching Certificate or License.

II. M.Ed. in Special Education Curriculum 37 hrs
   (For Mild-Moderate Disabilities, Severe-Profound/Multiple Disabilities options)

   A. Research
   B. Special Education Core
   C. Specialization in Mild-Moderate Disabilities OR
   D. Specialization in Severe-Profound/Multiple Disabilities OR
   E. Specialization in General Special Education Professional Teacher Education 3 hrs

   Core Courses 9 hrs
   READ 5853 Clinical Practices in Reading
   SPED 5102 Language Development in Special Education
   SPED 5212 Legal Aspects of Special Edu.
   SPED 5303 Assessing the Exceptional Individual
   SPED 5232 Educational Strategies for Young Children with Special Needs
   SPED 5443 Behavior/Classroom Management
   SPED 5452 Curriculum Modification/Assistive Technology in Special Education
   SPED 5582 Secondary Special Education

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

   Students who have not previously met certification requirements will need to complete the following major support courses, professional education courses, and pass the
University of Central Oklahoma Graduate Catalog, 2002-2003

Program: Special Education
Degree: Master of Education (M.Ed.)

College: Education

Mild-Moderate Disabilities Certification Test to be recommended for certification by UCO.

**Academic Content Areas** 25 hrs

<table>
<thead>
<tr>
<th>English</th>
<th>3 hrs</th>
</tr>
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<td></td>
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<tr>
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<tr>
<th>Science</th>
<th>4 hrs</th>
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<tbody>
<tr>
<td>PH 3014 Earth Science</td>
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**Professional Teacher Education**

(Certification Requirements) 28 hrs

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<tr>
<td>PTE 4163 Developmental Psychology</td>
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</tr>
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<td>***SPED 4123 Theories and Techniques for Exceptional Individual</td>
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<td>^**PTE 4848 Directed Observation and Student Teaching in Elem. and High School</td>
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^ Admission to Teacher Education required
** To be taken the concurrently
*** Prerequisite

**Severe-Profound/Multiple Disabilities** 15 hours

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<th>SPED 5252 Found. of Severe/Profound Disabilities</th>
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<td>SPED 5852 Curriculum Development for Severe/Profound Disabilities</td>
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<td>SPED 5693 Procedures for Severe-Profound Physical and Health Disabilities</td>
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Students who have not previously met certification requirements will need to complete the following 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.

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^ Admission to Teacher Education required
** To be taken the concurrently
*** Prerequisite
Program: Speech-Language Pathology

Degree: Master of Science (M.S.)

I. Admission Requirements
A. Apply for admission to the CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. 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”.

G. Obtain three satisfactory recommendations from UCO faculty members. Forms are available in the CGS&R.

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

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

Depending upon undergraduate background, students must complete an approved program 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:

SLP 5243 Diagnostic Methods
SLP 5363 Aphasia I
SLP 5302 Augmentative Communication
SLP 5292 Aphasia II
SLP 5252 Normal Language Development
SLP 5282 Advanced Articulation Disorders
SLP 5332 Legal Aspects in Speech-Language Pathology
SLP 5343 Dysphagia
SLP 5262 Advanced Language Disorders
SLP 5232 Communication Disorders in Infants and Toddlers
SLP 5113 Speech and Hearing Science
SLP 5352 Cleft Palate
PTE 5013 Foundations of Educational Research
SLP 5900 Practicum 1-6 hrs for degree.

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 CGS&R. 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.
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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

<table>
<thead>
<tr>
<th>Health Studies Option</th>
<th>32 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td>15 hrs</td>
</tr>
<tr>
<td>KINS 5913 Leadership of Health, Fitness, and Wellness Programs</td>
<td></td>
</tr>
<tr>
<td>KINS 5913 Legal and Ethical Principles of Wellness Management</td>
<td></td>
</tr>
<tr>
<td>PHED 5393 Research Design and Evaluation in Kinesiology and Health Studies</td>
<td></td>
</tr>
<tr>
<td>HLTH 5913 Wellness Intervention Strategies and Skills</td>
<td></td>
</tr>
<tr>
<td>KINS 5913 Technology and Media for Wellness Managers</td>
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</table>

<table>
<thead>
<tr>
<th>Exercise Science Option</th>
<th>2-4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Course</td>
<td></td>
</tr>
<tr>
<td>HLTH 5952-4 Internship OR</td>
<td></td>
</tr>
<tr>
<td>HLTH 5992-4 Thesis</td>
<td></td>
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</tbody>
</table>

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

**Elective Courses Area A**

<table>
<thead>
<tr>
<th></th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADED 5023 Orientation to Gerontology</td>
<td></td>
</tr>
<tr>
<td>SOC 5053 Sociology of Aging</td>
<td></td>
</tr>
<tr>
<td>ADED 5363 Psychology of Aging</td>
<td></td>
</tr>
<tr>
<td>ADED 5443 Health and Physiology of Aging</td>
<td></td>
</tr>
<tr>
<td>ADED 5453 Psychology of Adult Development</td>
<td></td>
</tr>
<tr>
<td>ADED 5463 Bereavement Counseling</td>
<td></td>
</tr>
<tr>
<td>ADED 5743 Colloquium in Gerontology</td>
<td></td>
</tr>
<tr>
<td>ADED 5883 Advanced Instructional Methods</td>
<td></td>
</tr>
<tr>
<td>NTRN 5422 Societal Impact on Aging</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses Area B**

<table>
<thead>
<tr>
<th></th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTRN 5033 Nutrition Education</td>
<td></td>
</tr>
<tr>
<td>NTRN 5102 Newer Trends in Nutrition</td>
<td></td>
</tr>
<tr>
<td>NTRN 5322 Nutritional Assessment</td>
<td></td>
</tr>
<tr>
<td>NTRN 5402 Nutritional Concerns of Women</td>
<td></td>
</tr>
</tbody>
</table>
Program: **Wellness Management**  
Degree: Master of Science (M.S.)  
College: Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTRN 5422</td>
<td>Societal Impact on Aging</td>
</tr>
<tr>
<td>OCTE 5093</td>
<td>Curriculum Development in Health Occupation Education</td>
</tr>
<tr>
<td>OCTE 5172</td>
<td>Organization and Administration of Health Occupation Programs</td>
</tr>
<tr>
<td>OCTE 5323</td>
<td>Methods of Teach. in Health Occupations</td>
</tr>
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</table>

**Elective Courses Area C**  
15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>SAS 5233</td>
<td>Human Behavior and Social Environment</td>
</tr>
<tr>
<td>SAS 5273</td>
<td>Substance Abuse and the Family</td>
</tr>
<tr>
<td>SAS 5303</td>
<td>Substance Abuse and Special Populations</td>
</tr>
<tr>
<td>SAS 5333</td>
<td>Advanced Counseling Skills in Substance Abuse</td>
</tr>
<tr>
<td>SAS 5463</td>
<td>The Abused</td>
</tr>
<tr>
<td>SAS 5943</td>
<td>Prevention and Education in Substance Abuse Studies</td>
</tr>
<tr>
<td>SAS 5943</td>
<td>Dual Diagnosis</td>
</tr>
<tr>
<td>SAS 5943</td>
<td>Co-dependency</td>
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</table>

**Exercise Science Option**  
32 hrs

**Common Core Courses**  
15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 5913</td>
<td>Leadership of Health, Fitness, and Wellness Programs</td>
</tr>
<tr>
<td>KINS 5913</td>
<td>Legal and Ethical Principles of Wellness Management</td>
</tr>
<tr>
<td>PHED 5393</td>
<td>Research Design and Evaluation in Kinesiology and Health Studies</td>
</tr>
<tr>
<td>HLTH 5913</td>
<td>Wellness Interventions Strategies and Skills</td>
</tr>
<tr>
<td>KINS 5913</td>
<td>Technology and Media for Wellness Managers</td>
</tr>
</tbody>
</table>

**Required Courses**  
11-13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 5303</td>
<td>Physiological Basis of Human Perform.</td>
</tr>
<tr>
<td>KINS 5913</td>
<td>Diagnostic Tests and Exercise Prescrip.</td>
</tr>
<tr>
<td>KINS 5913</td>
<td>Rehabilitative Exercise for Special Populations</td>
</tr>
<tr>
<td>KINS 5952-4</td>
<td>Internship OR</td>
</tr>
<tr>
<td>KINS 5992-4</td>
<td>Thesis</td>
</tr>
</tbody>
</table>

**Elective Courses in Exercise Science - to total 32 hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ADEd 5363</td>
<td>Psychology of Aging</td>
</tr>
<tr>
<td>ADEd 5443</td>
<td>Health and Physiology of Aging</td>
</tr>
<tr>
<td>NTRN 5032</td>
<td>Nutrition Education</td>
</tr>
<tr>
<td>NTRN 5102</td>
<td>Newer Trends in Nutrition</td>
</tr>
<tr>
<td>KINS 5913</td>
<td>Strength Dev. and Training Methods</td>
</tr>
<tr>
<td>PHED 5913</td>
<td>Biomechanical Analysis</td>
</tr>
</tbody>
</table>
Administration and Professional School Services
- Elementary Principal
- Secondary Principal
- School Superintendent
- Library Media Specialist
- School Counselor
- School Nurse
- School Psychologist
- School Psychometrist
- Reading Specialist
- Speech-Language Pathology

Elementary and Secondary Certification Programs
- Art
- Bilingual/Multicultural Education - non-test certification area
- Business Education
- Computer Applications - non-test certification area
- Early Childhood
- Elementary Education
- English
- Foreign Language
  - French
  - German
  - Spanish
- Family and Consumer Science
- Mathematics
  - Advanced/Secondary
  - 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
  - Psychology/Sociology
- Special Education
  - Mild/Moderate Disabilities
  - Severe-Profound/Multiple Disabilities
- Speech/Drama/Debate
- Teaching English as a Second Language - non-test certification

Vocational-Technical Programs
- Marketing Education
- Occupational Family & Consumer Sciences
- Trade and Industrial Education

Vocational Business Education - certification test plus specific courses
- Vocational 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 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.”
Preparation for Teacher Certification and Licensure

College: Education

D. Apply to student teaching following the procedures and guidelines enumerated in the section entitled “Admission to Student Teaching.” Guidelines are in the Teacher Education Services Office (Ed 207).

E. Apply to take the appropriate state competency examinations according to UCO guidelines and suggested timeline. Application is made through the Teacher Education Services Office. For additional information on curriculum examinations, refer to the section entitled “Testing Requirements.”

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 these 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. 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, ED207.

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 Teacher 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. Provide documentation of passing scores (established by the Oklahoma Regents for Higher Education) on the pre-professional Skills Test (PPST). Exemptions for the PPST are as follows:
   1. Maintain a 3.0 GPA in Liberal Arts & Science course work (1000-2000 level, with a minimum of 20 hours). Course work that applies to the area(s) of specialization or to a certification area does not count toward the Liberal Arts and Sciences GPA. Calculation of Liberal Arts GPA to be determined by Teacher Education Services.
   2. Completion of a baccalaureate degree prior to January 1, 1995.
H. Complete a Biographical Information page.
I. Complete a Verification Statement page.

J. Early Childhood, Elementary, and Special Education majors must make a “C” or better in all supportive coursework.

K. Pass the Oklahoma General Education Test (OGET). Beginning Spring 2001, candidates must pass the OGET prior to application for teacher education.

L. 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 admissibility.

M. Receive formal approval by the Council on Teacher Education.

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 Junior Colleges

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

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

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

C. The course work CANNOT include any early childhood or elementary specialization area courses (this refers to the 40 hours of specialization).

D. The course work CANNOT include any teacher education courses (this refers to courses in the 30-33 hours in teacher education).
Preparation for Teacher Certification and Licensure
College: 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, and has not been counted 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 curriculum exams and paid the curriculum examination fees.
D. Has received a passing score on the curriculum 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 curriculum 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 curriculum 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 curriculum 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. Application is made directly to the Oklahoma State Department of Education.
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 the beginning of the school year during which their emergency certificate is valid and discuss the alternative plan for student teaching.

Any person who obtains an emergency teaching certificate to teach in an Oklahoma accredited elementary or secondary school and has had no student teaching experience may complete the alternative plan for student teaching. The plan requires that the individual enroll in the four-semester hour in-service supervised teaching experience at the University of Central Oklahoma (permission and documentation of employment 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 curriculum examination(s), and other requirements appropriate to the certificate sought, the applicant may be recommended for a standard certificate.
Preparation for Library Media Specialist Certification

College: Education


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 one of the above areas, specialized course work to fulfill standard certification requires 32 semester hours in the area of specialization, including 24 semester hours from areas (a-l), with areas (a-f) being required courses, and elective hours sufficient to complete the master’s degree.

   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 5022 Materials Selections
   d. Cataloging of Print and Non-print Materials
      -IME 5454 Cataloging & Classification of Library Materials
   e. Books and Materials for Children
      -IME 5233 Library Materials for Elem. Schools
   f. Books and Materials for Young People
      -IME 5123 Library Mat. for Secondary Schools
   g. Instructional Materials Production
      -IME 5132 Computer Multimedia Production
   h. Instructional Media Production
      -IME 5863 Instructional Media Production
   i. Computer Resource Utilization
      -IME 5042 Microcomputers in Classrooms and Media Centers
   j. Library Automation
      -IME 5522 Library Automation
   k. Computer Resource Utilization
   l. Communication and Learning Theory
      -IME 5033 Learning Theory, Communications, and Instructional Media
   m. Design and Development of Instructional Materials
      -IME 5543 Instructional Materials
   n. Public Relations for School Library Media Programs
      -IME 5223 Public Relations for School Library Media Programs
   o. Management of Materials and Equipment
      -IME 5352 Administration of Media Programs

4. The applicant shall pass the State Teacher Certification Test for Library Media Specialist.

5. The applicant must have completed a 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 Ctr
   b. Reference
      -IME 5423 Reference and Bibliography
   c. Selection of Print and Non-print Materials
      -IME 5022 Materials Selections
   d. Cataloging of Print and Non-print Materials
      -IME 5454 Cataloging and Classification of Library Materials
   e. Books and Materials for Children
      -IME 5233 Library Materials for Elem. Schools
   f. Books and Materials for Young People
      -IME 5123 Library Materials for Secondary Schools
   g. Instructional Materials Production
      -IME 5132 Computer Multimedia Production
   h. Instructional Media Production
      -IME 5863 Instructional Media Production
   i. Computer Resource Utilization
      -IME 5042 Microcomputers in Classrooms & Media Cent.
   j. Library Automation
      -IME 5522 Library Automation
   k. Communication and Learning Theory
      -IME 5033 Learning Theory, Communications, and Instructional Media
   l. Design and Development of Instructional Materials
      -IME 5543 Instructional Development
   m. Public Relations for School Library Media Programs
      -IME 5223 Public Relations for School Library Media Programs
   n. Management of Materials and Equipment
      -IME 5352 Administration of Media Programs

4. The applicant shall pass the state teacher certification test for Library Media Specialist.

5. The applicant must have completed a course in the Psy-
## 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 SPCED 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 edu-

### Standard certification program for applicants who already hold a master's degree in library science.

1. Specialized course work to fulfill standard certification requires 24 semester hours from areas (a-h), with one course required in each category.
   - curriculum-instruction course
   - children's literature course
   - young adult literature course
   - developmental psychology course
   - method's course
   - media production course
   - school library administration course
   - Psychology of Exceptional Children

2. Student teaching will not be required if the applicant has at least two years of experience as a full-time librarian in a non-school capacity.

3. The applicant shall pass the state teacher certification test for Library Media Specialist.
Preparation for School Principal Certification

College: Education

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Found. of Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5543</td>
<td>Fundamentals of Public School Administration</td>
<td>3</td>
</tr>
<tr>
<td>PTE 5153</td>
<td>Advanced Developmental Psychology in an Educational Setting</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5453</td>
<td>Interpersonal Relationships in School Administration</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5673</td>
<td>School Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5681</td>
<td>Curriculum Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5623</td>
<td>Supervision and Evaluation of Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5553</td>
<td>Legal Aspects of School Administration</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5353</td>
<td>Computer Applications and Technology for School Admin.</td>
<td>3</td>
</tr>
<tr>
<td>EADM 5814</td>
<td>Principalship/Internship</td>
<td>4</td>
</tr>
<tr>
<td>EADM 5583</td>
<td>Public School Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 34 hrs
**Preparation for Reading Specialist Certification**

**College: Education**

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 32 hrs

**A. Specialization Area 19 hrs**

1. Theoretical Foundation of Reading 6 hrs
   - READ 5623 Foundations and Survey of Reading
   - READ 5663 Theoretical Basis of Reading
2. Diagnosis of Correction 6 hrs
   - READ 5843 Diagnosis and Correction of Reading Disabilities
   - READ 5443 Advanced Diagnostic Prescriptive Procedures

### 3. Clinical Experience 7 hrs

- READ 5853 Clinical Practices in Reading
- READ 5023 Development and Corrective Classroom Reading Experience

### 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.

1. Research 3 hrs
   - PTE 5013 Foundations of Educational Research
2. Foundations 2-3 hrs
   - PTE 5113 Modern Philosophies of Education
   - PTE 5142 History of Education
   - PTE 5172 Educational Sociology
3. Curriculum Development 3 hrs
   - PTE 5283 Fundamentals of Curriculum Development Secondary Schools
   - PTE 5693 Fundamentals of Curriculum Development Elementary Schools
   - READ 5713 Organization and Supervision of Reading Program
   - READ 5913 Seminar: Balanced Reading Program - Phonics to Comprehension
4. Measurement 2-3 hrs
   - GUID 5332 Individual Test Interpretation
   - PTE 5413 Educational Statistics
   - PSY 5793 Individual Testing Techniques - Binet
   - PSY 5803 Individual Testing Techniques - Wechsler
   - PSY 5813 Diagnostic Testing Techniques
   - PTE 5383 Principles of Test and Measurements
5. Theories & Methods of Learning 2-3 hrs
   - PSY 4842 Computer Applications in Educ. and Psychology
   - SPED 5443 Behavior Classroom Management
   - PTE 5203 Advanced Educational Psychology
   - PTE 5823 Advanced Psychology of Childhood
   - PTE 5833 Advanced Psychology of Adolescence

### Total - Reading Specialist Certificate 32 hrs
**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.

**School Counselor Required Course Work**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE 5013</td>
<td>Foundations of Educational Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5013</td>
<td>Prin. of Guidance &amp; Counseling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5443</td>
<td>Career Guidance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5473</td>
<td>Theories &amp; Techniques of Individual School Counseling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5483</td>
<td>Theories &amp; Techniques of Group School Counseling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5153</td>
<td>Counseling Intervention Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5253</td>
<td>Developmental Guidance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5153</td>
<td>Advanced Developmental Psychology for Educational Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5383</td>
<td>Prin. of Tests and Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5903</td>
<td>Practicum</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GUID 5953</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total - School Counselor Certificate** 33 hrs
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 4085 Methods & Materials for Teaching Developmental Reading Primary/Middle School
   - 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. For standard certification, the applicant must have completed the course SPCED 4123 Theories and Techniques for Exceptional Individuals.
3. The applicant must have completed the Psychometry/Educational Diagnostician certificate program.
4. 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: general 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 Area**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EADM 5543</td>
<td>Fundamentals of Public School Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5753</td>
<td>Advanced SPSS</td>
<td>3 hrs</td>
</tr>
<tr>
<td>(Prerequisite: PSY 3813 Advanced Psychological Statistics)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 5143</td>
<td>Advanced Developmental Psych. OR</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5823</td>
<td>Advanced Psych. of Childhood AND</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5633</td>
<td>Modern Learning Theories OR</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5203</td>
<td>Advanced Educational Psych</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5233</td>
<td>Psychopathology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>(PSY 4753 Abnormal Psychology is a prerequisite)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 5253</td>
<td>Psychodiagnostic Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5013</td>
<td>Biosocial Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5722</td>
<td>Introduction to School Psychiological Services</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PSY 5793</td>
<td>Individual Tes. Techniques, Binet</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5803</td>
<td>Individual Testing Techniques, Wechsler</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5813</td>
<td>Diagnostic Testing Techniques</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPED 5913</td>
<td>Seminar: Counseling Families of Exceptional Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PTE 5383</td>
<td>Principles of Tests and Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPED 5443</td>
<td>Behavioral Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 5931</td>
<td>Individual Study in School Psychological Services</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**B. Elective Area**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUID 5153</td>
<td>Counseling Intervention Strategies</td>
<td></td>
</tr>
<tr>
<td>GUID 5212</td>
<td>Counselor as Consultant</td>
<td></td>
</tr>
<tr>
<td>PSY 5473</td>
<td>Theories &amp; Techniques of Counseling</td>
<td></td>
</tr>
<tr>
<td>PSY 5483</td>
<td>Theories &amp; Techniques of Group Counseling</td>
<td></td>
</tr>
</tbody>
</table>

**C. Practicum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 5902</td>
<td>Practicum in School Psychometry</td>
<td>2 hrs</td>
</tr>
<tr>
<td>(150 clock hours of direct services)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 5902</td>
<td>Practicum in Sch. Psych. Services</td>
<td>2 hrs</td>
</tr>
<tr>
<td>(150 clock hours of direct services)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**D. Internship**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 5956</td>
<td>Internship School Psych.</td>
<td>6 hrs</td>
</tr>
<tr>
<td>(1200 clock hours direct services)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The remaining semester hours of graduate course work may be taken from related areas and/or areas required for completion of the master's degree.

**Total - Standard Certificate:** 60 hrs
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 4085** Methods & Materials for Teaching Developmental Reading Primary-Middle School

2. The following courses are prerequisites to approved standard certification programs in School Psychometry.

- **PSY 5902** Educational Field Experience (120 clock hours in regular education and special education)

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: general 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. School Psychometry is considered to be level one of the School Psychology program.

5. All 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** Seminar in Special Education

2. **Psychology of School-age Children** 3 hrs
   - **PSY 5143** Advanced Developmental Psychology
   - **PTE 5823** Advanced Psychology of Childhood
   - **PTE 5833** Advanced Psych. of Adolescence

3. **Special Psychology** 3 hrs
   - **PSY 5233** Psychopathology
   - **PSY 4753** Abnormal Psychology

4. **Statistics** 3 hrs
   - **PSY 5753** Advanced SPSS
   - **PSY 3813** Advanced Psychological Statistics

B. **Psychoeducational Diagnostic Procedures** 12 hrs

- **PSY 5793** Individual Test. Techniques, Binet
- **PSY 5803** Individual Testing Techniques, Wechsler
- **PSY 5813** Diagnostic Testing Techniques
- **PTE 5383** Prin. of Tests and Measure.

C. **Practicum in School Psychometry** 2 hrs

- **PSY 5902** Practicum in Sch. Psychometry

D. **School Psychological Services** 2 hrs

- **PSY 5722** Introduction to School Psychology Services

Total - School Psychometrist/Educational Diagnostician 28 hrs

Certificate: Standard
The holder of a School Superintendent certificate is authorized to serve as county superintendent of schools or as superintendent of schools in any accredited school system in Oklahoma.

**General Guidelines - Standard Certificate**

1. The applicant shall satisfy all general regulations of eligibility including, for the standard certificate, the completion of a course in the psychology/education of exceptional children.
2. The applicant shall hold and maintain a valid Oklahoma standard or provisional certificate in early childhood, elementary-secondary, secondary, vocational-technical, library media specialist, or speech-language pathology.
3. The applicant is required to have had two years of teaching experience and one year supervisory or administrative experience in an accredited school.
4. The applicant shall hold a master’s degree granted by an institution accredited by a regional accrediting association.
5. The applicant must satisfactorily complete the School Superintendent state curriculum examination prior to being recommended for 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 recommendation by UCO.
8. In order to qualify for the Vocational Administration Endorsement, the course EADM 5663 Organization and Administration of Vocational-Technical Programs must be completed in addition to the minimum certificate requirements for the School Superintendent Certificate.

### School Superintendent Required Courses 24 hrs

**A. Core Area**

- EADM 5363 School Buildings & Grounds 3 hours
- EADM 5513 Supervision of Instruction 3 hours
- EADM 5543 Fundamentals of Public School Administration 3 hours
- EADM 5553 Legal Aspects of School Administration 3 hours
- EADM 5583 Public School Finance 3 hours
- EADM 5673 School Personnel Administration 3 hours

**B. Elective Area**

- Total 4

**Total** 24 Hours
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.
## Course Descriptions

### COLLEGE of EDUCATION

#### ADULT EDUCATION (ADED)

**Department of Occupational And Technology Education**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prereq:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADED 5000</td>
<td>WORKSHOP IN ADULT 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 &quot;P&quot; or &quot;F&quot; is given. No more than 2 hours of workshop may be counted on a master’s degree.</td>
<td></td>
</tr>
<tr>
<td>ADED 5073</td>
<td>MANAGEMENT OF ADULT EDUCATION &amp; COMMUNITY SERVICE</td>
<td>Organization and administration of adult programs with emphasis on assessing needs, planning staff development, fiscal operations, facilities, evaluation, and maintenance of effective community relations.</td>
<td></td>
</tr>
<tr>
<td>ADED 5122</td>
<td>FOUNDATIONS OF TRAINING AND DEVELOPMENT</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>ADED 5132</td>
<td>HISTORY AND PHILOSOPHY OF ADULT EDUC</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>ADED 5313</td>
<td>TECHNIQUES OF TEACHING ADULTS</td>
<td>This course is designed to acquaint the student with some of the techniques used when teaching adults. A knowledge of the characteristics of adult students and their unique learning styles is included as a necessary prerequisite for selecting suitable teaching techniques.</td>
<td></td>
</tr>
<tr>
<td>ADED 5342</td>
<td>CONSULTING SKILLS IN TRAINING AND DEVELOPMENT</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>ADED 5423</td>
<td>INSTRUCTIONAL EVALUATION IN TRAINING AND DEVELOPMENT</td>
<td>Examination of techniques for the evaluation of training and vocational-technical education with special emphasis on the development and administration of valid and reliable knowledge-based and performance-based tests.</td>
<td></td>
</tr>
<tr>
<td>ADED 5432</td>
<td>HUMAN RELATIONS IN TRAINING AND DEVELOPMENT</td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

### 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.  

**Prereq:** OCTE 4122 and OCTE 4853 or OCTE 4882

### 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 3023 or History and Philosophy of Vocational Education and OCTE 4853 or equivalent.

### 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 5583: ADVANCED INSTRUCTIONAL METHODS

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

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.
Course Descriptions

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.

EDUCATIONAL ADMINISTRATION (EADM)
Department of Advanced Professional Services

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 on a master's degree.

EADM 5242 EVALUATION IN PUBLIC SCHOOLS
Basic planning and evaluation models used by administrators to identify areas in programs, personnel management, and facilities that are exemplary as well as those areas which need improvement.

EADM 5342 CURRICULUM AND INSTRUCTION ISSUES
A study of current curricular and instructional issues which require a principal's support, guidance, and assistance as others work to improve and enhance the delivery of the school's curriculum. Prereq: Nine to 11 hours in Fundamentals of Administration, Curriculum, Research, and Advanced Psychology.

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
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 5513 SUPERVISION OF INSTRUCTION
Examination of better practices in supervision, group study, visitation, and exchange teaching.

EADM 5543 FUND. 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 5553 PUBLIC SCHOOL RELATIONS
Interrelationship of school and community as to respective movements, organizations and activities; effect of community problems on educational policy. Prereq: EADM 5543 and Admission to Education Administration.

EADM 5558 PUBLIC SCHOOL FINANCE
Sources of school finance, control of expenditures, general principles of financial administration. Prereq: Admission to Education Administration and EADM 5543.

EADM 5592 PRINCIPLES OF ADMINISTRATION OF MIDDLE LEVEL SCHOOLS
A course designed to develop in junior high and middle school administrators the knowledge and abilities needed to provide programs to meet the common and unique needs of transcendent. (grades 5-9)

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 5663 ORGANIZATION AND ADMINISTRATION OF VO-TECH PROGRAMS
Organizational procedures and administrative practices for effective planning, implementation and management of vocational education programs located at the area vocational technical school, as well as the comprehensive high school. Analysis of legislation, finances, and groups which influence vocational education programs.

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 5683 CURRICULUM LEADERSHIP
The course will emphasize the supervision and evaluation of curriculum in public school systems. Additionally, it will include a study of current and instructional programs which require a principal's support, guidance, and leadership as school personnel work to improve and enhance the delivery of the school's curriculum. 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 contained in the required Master's Program.

EADM 5900 PRACTICUM IN EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

EADM 5910 SEMINAR IN EDUCATIONAL ADMINISTRATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.
Course Descriptions

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.

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 2 hours; subject matter will vary within the department’s field of study.

EARLY CHILDHOOD EDUCATION (ECED)
Department of Curriculum And Instruction

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 on 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 and reinforce beginning 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 ISSUES IN EARLY CHILDHOOD
A study of the readiness variables in the differential stages of maturation and development of the preschool child. Selection, administration, and interpretation of tests designed to measure individual intelligence, symbol formation and conceptual ability, laterality, motor coordination, gross and fine finger dexterity, discrimination, vocabulary, listening skills, psycho-linguistic ability, body identification, spatial relationship, physiological growth, neurologic maturation, and emotional stability. Prereq: ECED 4073 and ECED 4133.

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 needs of culturally diverse children, the factors of influence that characterize their environment, and an intensive examination of realistic approaches by parents, school and community to aid them in reaching their maximal potential in America’s highly urbanized, technological society. The focus of the course content will be to affirm and respect culturally and linguistically diverse children, support home language preservation, and promote anti-bias approaches through the creation of appropriate learning environments and experiences.

ECED 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 relations with both parents and the community. Prereq: Admission to Teacher Education.
Course Descriptions

**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**
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 5990 THESIS**
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.
# Course Descriptions

## ELED 5732  TEACHING MATHEMATICS FOR UNDERSTANDING
Graduate students will learn how to engage their students in the discovery, exploration, and implementation of concepts, procedures, and processes to develop a deep understanding of important mathematics content areas. Students will learn how to provide evidence of planning and teaching that help build their students’ mathematical understanding.  **Prereq:** ELED 4333 or 5333.

## ELED 5753  SOCIAL STUDIES IN A GLOBAL ENVIRONMENT
Nature and scope of the social studies program; selection and organization of content materials; improving teaching techniques.

## ELED 5772  IMPROVEMENT OF INSTRUCTION IN LITERATURE IN ELEMENTARY SCHOOLS
Nature and scope of literature programs; selection and organization of content materials; improving teaching techniques.

## ELED 5900  PRACTICUM IN ELEMENTARY EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

## ELED 5910  SEMINAR IN ELEMENTARY EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

## ELED 5920  DIRECTED READING IN ELEMENTARY 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 8 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 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

## FACS 5000  WORKSHOP IN FAMILY & 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 on a master's degree.

## FACS 5123  PROFESSIONAL ISSUES
This course is planned to assist the student in identifying professional and personal competencies needed in emerging home economic areas. Opportunities for exploring and assessing self interests and abilities as well as the identification of competencies needed for professional level employment in a specialized area will be encouraged and required.

## FACS 5133  METHODS OF TEACHING
Problems and methods of teaching home economics. **Prereq:** Admission to teacher education.

## 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 FAM. & 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 FAM. & 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.

## FACS 5920  DIRECTED READING IN FAM. & CONSUMER SCIENCES
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

## FACS 5930  INDIVIDUAL STUDY IN FAM. & CONSUMER SCIENCES
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.

## FACS 5940  SPECIAL TOPICS IN FAM. & CONSUMER SCI.
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.

## FACS 5950  INTERNSHIP IN FAM. & CONSUMER SCI.
Credit will vary from 1 to 8 hours; subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

## FACS 5960  INSTITUTE IN FAM. & CONSUMER SCI.
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

## FACS 5970  STUDY TOUR
Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

## FACS 5990  THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

## FAMILY AND CHILD DEVELOPMENT (FMCD)
Department of Human Environmental Sciences

## FMCD 5000  WORKSHOP IN FAMILY & 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 on a master's degree.
Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>FMCD 5011</td>
<td>PROFESSIONAL DEVELOPMENT IN CHILD &amp; FAMILY DEVELOPMENT</td>
<td>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.</td>
</tr>
<tr>
<td>FMCD 5023</td>
<td>THEORIES IN FAMILY &amp; CHILD DEVELOPMENT</td>
<td>This graduate course is an organized study of major theoretical approaches to the study of family and child development. Prereq: 9 hours behavioral science course work.</td>
</tr>
<tr>
<td>FMCD 5043</td>
<td>MARRIAGE AND FAMILY DYNAMICS</td>
<td>In-depth study of the family systems theory and circumplex model as applied to interpersonal relations. Areas to be examined include communications, conflict resolution, parental role and power bases. Prereq: 6 hours family related courses (psychology, sociology, etc.).</td>
</tr>
<tr>
<td>FMCD 5363</td>
<td>ETHICS &amp; ISSUES IN FAMILY STUDIES</td>
<td>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.</td>
</tr>
<tr>
<td>FMCD 5373</td>
<td>LIFE-SPAN HUMAN DEVELOPMENT IN CHILD &amp; FAMILY STUDIES</td>
<td>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.</td>
</tr>
<tr>
<td>FMCD 5511</td>
<td>PROFESSIONAL DEVELOPMENT IN CHILD &amp; FAMILY STUDIES</td>
<td>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.</td>
</tr>
<tr>
<td>FMCD 5900</td>
<td>PRACTICUM IN FAMILY AND CHILD STUDIES</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>FMCD 5910</td>
<td>SEMINAR IN FAMILY AND CHILD STUDIES</td>
<td>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.</td>
</tr>
<tr>
<td>FMCD 5920</td>
<td>DIRECTED READING IN FAM &amp; CHILD STUDIES</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>FMCD 5930</td>
<td>INDIVIDUAL STUDY IN FAMILY &amp; CHILD STUDIES</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. Prereq: An undergraduate major or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
<tr>
<td>FMCD 5940</td>
<td>SPECIAL TOPICS IN FAMILY &amp; CHILD DEVELOPMENT</td>
<td>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.</td>
</tr>
<tr>
<td>FMCD 5950</td>
<td>INTERNSHIP IN FAMILY &amp; CHILD STUDIES</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>FMCD 5960</td>
<td>INSTITUTE IN FAMILY AND CHILD STUDIES</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>FMCD 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>FMCD 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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</tbody>
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FASHION MARKETING (FMKT)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMKT 5000</td>
<td>WORKSHOP IN FASHION MARKETING</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 on a master's degree.</td>
</tr>
<tr>
<td>FMKT 5063</td>
<td>FASHION ACCESSORIES</td>
<td>Analysis of the accessory needs of specialized market segments and the products produced to meet those needs with emphasis on product design, marketing, and merchandising.</td>
</tr>
<tr>
<td>FMKT 5073</td>
<td>HERITAGE OF DRESS II</td>
<td>An in-depth study of the development of costume and fashion from the Ancient Egyptians to present day with an emphasis on interpreting and analyzing current fashion trends from a historical perspective. Prereq: Six credits in history/humanities or permission of the instructor.</td>
</tr>
<tr>
<td>FMKT 5093</td>
<td>NON-TEXTILE ACCESSORIES</td>
<td>Analysis of the non-textile accessory needs of specialized market segments and the products produced to meet those needs with emphasis on product design, marketing and merchandising.</td>
</tr>
<tr>
<td>FMKT 5621</td>
<td>DRESS FOR THE PROFESSIONAL</td>
<td>Designed to relate one’s dress to career demands and successes and to discover an affordable, accomplished, versatile, and professional approach to clothing selection and wardrobe coordination. Designed for both male and female students.</td>
</tr>
<tr>
<td>FMKT 5900</td>
<td>PRACTICUM IN FASHION MARKETING</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>FMKT 5910</td>
<td>SEMINAR IN FASHION MARKETING</td>
<td>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.</td>
</tr>
<tr>
<td>FMKT 5920</td>
<td>DIRECTED READING IN FASHION MARKETING</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>FMKT 5930</td>
<td>INDIVIDUAL STUDY IN FASHION MARKETING</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. Prereq: An undergraduate major or equivalent in the subject matter area and permission of the Department Chair and Graduate Advisor.</td>
</tr>
</tbody>
</table>
Course Descriptions

FMKT 5940 SPECIAL TOPICS IN FASHION MARKETING
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.

FMKT 5950 INTERNSHIP IN FASHION 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.

FMKT 5960 INSTITUTE IN FASHION MARKETING
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FMCD 5970 STUDY TOUR
Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

FMKT 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GERONTOLOGY (GERO)
Department of Adult Education

GERO 5023 ORIENTATION TO GERONTOLOGY
The purpose of this course is to present a broad overview of the major concepts and issues relevant to gerontology. This 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 will provide theoretical information and practical experience of aging in order to understand the psychological adjustments necessary in the later years of life.

GERO 5443 HEALTH AND PHYSIOLOGY OF AGING
This course will present a broad overview of the physiological changes which will take place in the later years and their impact on the psychological adjustment of the individual.

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. Prereq: 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. Prereq: An undergraduate minor or equivalent in the subject matter area and written 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. Prereq: 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. Prereq: 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

GUID 5000 WORKSHOP IN GUIDANCE & 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 given. No more than 2 hours of workshop may be counted on a master's degree.

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 & 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 5013.

GUID 5172  CAPSTONE EXPERIENCE IN SCH. 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 PSYCH 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 5013 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 & 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 5652  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 5920  DIRECTED READING IN GUIDANCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GUID 5930  INDIVIDUAL STUDY IN GUIDANCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GUID 5940  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 & COUNSELING
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HUMAN ENVIRONMENTAL SCIENCES (HES)
Department of Human Environmental Sciences

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 5233  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.

HEALTH (HLTH)  
Department of Kinesiology and Health Studies

HLTH 5000 WORKSHOP IN HEALTH
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 5203 ORGANIZATION & ADMINISTRATION OF COMMUNITY HEALTH
A study of the organization and administration of community health programs with emphasis on organization and presentation of materials, concept formations, relationships to public education and educational law, implementation and coordination with other agencies.

HLTH 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.

HLTH 5960 INSTITUTE IN HEALTH
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HLTH 5970 STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

HLTH 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.
## Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>IME 5223</td>
<td>PUBLIC RELATIONS IN THE INFORMATION AGE</td>
</tr>
<tr>
<td>IME 5233</td>
<td>LIBRARY MATERIALS FOR ELEM SCHOOLS</td>
</tr>
<tr>
<td>IME 5243</td>
<td>EFFECTIVE WRITING IN INSTRUCTIONAL TECHNOLOGY</td>
</tr>
<tr>
<td>IME 5232</td>
<td>ISSUES IN DISTANCE EDUCATION</td>
</tr>
<tr>
<td>IME 5313</td>
<td>COLLABORATIVE DESIGN OF MULTIMEDIA MATERIALS</td>
</tr>
<tr>
<td>IME 5323</td>
<td>MANAGING COMPUTER AND INFORMATION CENTERS</td>
</tr>
<tr>
<td>IME 5423</td>
<td>REFERENCE AND BIBLIOGRAPHY</td>
</tr>
<tr>
<td>IME 5543</td>
<td>CATALOGING AND CLASSIFICATION</td>
</tr>
<tr>
<td>IME 5523</td>
<td>LIBRARY AUTOMATION</td>
</tr>
<tr>
<td>IME 5543</td>
<td>INSTRUCTIONAL DESIGN &amp; DEVELOPMENT I</td>
</tr>
<tr>
<td>IME 5613</td>
<td>INSTRUCTIONAL DESIGN &amp; DEVELOPMENT II</td>
</tr>
<tr>
<td>IME 5713</td>
<td>EVALUATION AND CHANGE IN THE INSTRUCTIONAL DEVELOPMENT PROCESS</td>
</tr>
<tr>
<td>IME 5863</td>
<td>PRODUCTION II</td>
</tr>
<tr>
<td>IME 5900</td>
<td>PRACTICUM IN LIBRARY MEDIA EDUCATION</td>
</tr>
<tr>
<td>IME 5910</td>
<td>SEMINAR IN LIBRARY MEDIA EDUCATION</td>
</tr>
</tbody>
</table>

The course focuses on aspects of public relations essential to the success of both media center and technology centers. Emphasis is placed on communicating services available to both internal and external audiences. Electronic and print practices will be provided in planning and producing public relations campaigns and communications tools such as brochures, flyers, newsletters, audiovisual presentations, press releases, and public service announcements.

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.

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.

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.

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.

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.

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.

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.

This course is designed to develop administrative and personal productivity, computer competency, and other technological applications appropriate to the library environment. Automated catalogs, automated circulation systems, interlibrary loans, and online catalogs will be assessed, evaluated, and applied. Application of databases, spreadsheets, desktop publishing, and presentation software will be emphasized.

This course is a study in cooperative designing of instruction. Areas covered include determining instructional objectives, planning motivational strategies, and designing multimedia learning activities.

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 of 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 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.

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.

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.

Credit will vary from 1 to 4 hours. Subject matter will vary within the department’s field of study.

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.
### Course Descriptions

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<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>KINS 5303</td>
<td>DIAGNOSTIC TESTS &amp; EXERCISE PRESCRIPTION</td>
<td></td>
<td>PHED 5303</td>
<td>This course is designed to enhance the student's knowledge and application of exercise testing and exercise prescription. <strong>Prereq:</strong> PHED 5303</td>
</tr>
<tr>
<td>KINS 5403</td>
<td>BIOMECHANICAL ANALYSIS</td>
<td></td>
<td></td>
<td>The principles of classical mechanics are applied to the study of human motion to provide students with an understanding of the internal and external forces acting on the body during human movement. The role of muscle in generating force and controlling movement is emphasized. <strong>Prereq:</strong> PHED 3333 or equivalent</td>
</tr>
<tr>
<td>KINS 5423</td>
<td>STRENGTH DEVELOPMENT &amp; TRAINING METHODS</td>
<td></td>
<td></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 5500</td>
<td>WORKSHOP IN KINESIOLOGY &amp; HEALTH STUDIES</td>
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<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>KINS 5513</td>
<td>LEGAL AND ETHICAL PRINCIPLES OF WELLNESS MANAGEMENT</td>
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<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>
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<tr>
<td>KINS 5523</td>
<td>TECHNOLOGY AND MEDIA FOR WELLNESS MANAGERS</td>
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<td></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.</td>
</tr>
<tr>
<td>KINS 5533</td>
<td>REHABILITATIVE EXERCISE FOR SPECIAL POPULATIONS</td>
<td></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 5900</td>
<td>PRACTICUM IN KINESIOLOGY &amp; HEALTH STUDIES</td>
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<tr>
<td>KINS 5910</td>
<td>SEMINAR IN KINESIOLOGY &amp; HEALTH STUDIES</td>
<td></td>
<td></td>
<td>Credit will vary from 1 to 4 hours. 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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<tr>
<td>KINS 5920</td>
<td>DIRECTED READING IN KINESIOLOGY AND HEALTH STUDIES</td>
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<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>KINS 5930</td>
<td>INDIVIDUAL STUDY IN KINESIOLOGY AND HEALTH STUDIES</td>
<td></td>
<td></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, conference, oral and written reports. <strong>Prereq:</strong> an undergraduate major or equivalent in the subject matter area and permission of the Department head and director of graduate studies.</td>
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<tr>
<td>KINS 5940</td>
<td>SPECIAL TOPICS IN KINESIOLOGY AND HEALTH STUDIES</td>
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<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>
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<td>KINS 5950</td>
<td>INTERNSHIP IN KINESIOLOGY &amp; HEALTH STUDIES</td>
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<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>
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<tr>
<td>KINS 5960</td>
<td>INSTITUTE IN KINESIOLOGY &amp; HEALTH STUDIES</td>
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<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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<td>KINS 5970</td>
<td>STUDY TOUR</td>
<td></td>
<td></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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Course Descriptions

KINS 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

NUTRITION (NTRN)
Department of Human Environmental Sciences

NTRN 5000 WORKSHOP IN NUTRITION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 2 hours of workshop may be counted on a master's degree.

NTRN 5032 NUTRITION EDUCATION
This course provides the application of learning theory and media in the design, development, and delivery of nutrition education and counseling programs.

NTRN 5102 NEWER TRENDS IN NUTRITION
A thorough study of the newer trends and recent research in nutrition. Prereq: Permission of instructor.

NTRN 5184 ADVANCED NUTRITION
The advanced study of nutrition including digestion, absorption, and metabolism of all nutrients with an emphasis on the latest nutrition research. Prereq: NTRN 1513, CHEM 3442, BIO 2604.

NTRN 5193 FOOD SCIENCE
An investigation of the scientific techniques that must be utilized by food scientists and technologists to bring commercially viable products to the marketplace. Prereq: Permission of instructor.

NTRN 5213 MANAGEMENT OF NUTRITION SERVICES
The study of concepts, processes, and theories of managing clinical nutrition services. The course will emphasize the delivery of high quality, cost-effective service that can be justified to hospital administrators, health care team members and patients. Prereq: MGMT 5103.

NTRN 5223 INSTITUTIONAL FOOD MANAGEMENT
Organization and administration of food service systems. Emphasis on physical facilities, financial control, menus and purchasing. Prereq: NTRN 4673 and 4673L.

NTRN 5233 RESEARCH METHODS IN NUTRITION
Basic techniques and methodology in nutrition research; reviewing current research studies and interpreting findings in order to evaluate research in the nutrition areas of specialization.

NTRN 5232 NUTRITION ASSESSMENT
The process used to assess nutritional needs of individuals or groups, and to plan a measurable nutrition intervention program appropriate for clients in various special health care setting.

NTRN 5322 COMPUTERS IN NUTRITION & FOOD MANAGEMENT
The course offers the opportunity to use state of the art software developed for food management operations and nutrition services. Prereq: Computer literacy and graduate standing in nutrition and food management.

NTRN 5402 NUTRITIONAL CONCERNS OF WOMEN
A study of scientific nutrition research on issues pertinent to women's health in all age groups.

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 & 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 4 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 & TECHNOLOGY EDUCATION (OCTE)
Department of Occupational And Technology Education

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 on 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.
Course Descriptions

OCTE 5172  ORGANIZATION AND ADMINISTRATION OF HEALTH OCCUPATIONS
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 PROGRAMS
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 VOCATIONAL EDUCATION
Basic principles and philosophy underlying the organization and development of programs in vocational and technical education with special attention directed toward federally-aided programs in these areas.

OCTE 5233  CURRICULUM DESIGN IN OCCUPATIONAL AND TECHNOLOGY EDUCATION
Examination of 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 OF OCCUPATIONAL & 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
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 OCCUPATION & 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 5513  METHODS/ MANAGEMENT OF VOCATIONAL BUSINESS
Methods and management of a vocational business and office occupations program; selection of equipment and materials; designing the VBOE lab; and organization of work flow.

OCTE 5622  INTEGRATION & TRANSITIONING OPPORTUNITIES IN OCTE
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 5631  LEGAL & PROFESSIONAL ISSUES IN OCCUPATIONAL EDUCATION
This course provides and examination of legal and professional issues facing contemporary occupational educators. In particular, the course will consist of pertinent information relating to four major areas: teaching contracts and teacher responsibilities, teacher and student rights, classroom management issues, and teacher professionalism. Prereq: Introduction to Trade and Industrial Educational and Safety Concerns and Management of an Occupational and Technical Program.

OCTE 5642  PROPOSAL WRITING IN TRAINING AND DEVELOPMENT
This course is designed to define proposals, identify formats and components, locate sponsors or buyers, and to assist the learner in writing effective proposals that can provide funding for occupational programs or promote buy-in for training related projects. Prereq: ENG 1113, ENG 1213.

OCTE 5723  TROUBLESHOOTING & MAINTAINING A COMPUTER
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
Examination of the selection and implementation of instructional strategies for occupational and technology education. Delivery of instruction through instructional strategy selection, introducing and summarizing topics, conducting illustrated lectures, giving demonstrations, operating media equipment, and analyzing instructional techniques will be covered. Prereq: Admitted to Professional Teachers Education.
### Course Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCTE 5900</td>
<td>PRACTICUM IN VOCATIONAL 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>OCTE 5910</td>
<td>SEMINAR IN OCCUPATIONAL TECHNOLOGY</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>OCTE 5920</td>
<td>DIRECTED READINGS IN OCCUPATIONAL TECHNOLOGY 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>OCTE 5930</td>
<td>INDIVIDUAL STUDY IN VOCATIONAL 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>OCTE 5940</td>
<td>SPECIAL TOPICS IN OCCUPATIONAL TECH</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>OCTE 5950</td>
<td>INTERNSHIP IN OCCUPATIONAL TECHNOLOGY</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>OCTE 5960</td>
<td>INSTITUTE IN OCCUPATIONAL TECHNOLOGY</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>PHYSICAL EDUCATION (PHED)</td>
<td>Department of Kinesiology and Health Studies</td>
<td></td>
</tr>
<tr>
<td>PHED 5000</td>
<td>WORKSHOP IN PHYSICAL 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 on a master’s degree.</td>
</tr>
<tr>
<td>PHED 5102</td>
<td>PROBLEMS OF HEALTH, PHYSICAL EDUCATION AND RECREATION</td>
<td>Individual investigation of research methods and special problems in health and physical education.</td>
</tr>
<tr>
<td>PHED 5122</td>
<td>PROGRAM DESIGN &amp; DEVELOP IN HPE</td>
<td>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.</td>
</tr>
<tr>
<td>PHED 5123</td>
<td>CURRICULUM CONSTRUCTION IN HEALTH &amp; PHYSICAL EDUCATION</td>
<td>An analytical study of aims, objectives, program activities methods and outcomes in the teaching of health and physical education.</td>
</tr>
<tr>
<td>PHED 5153</td>
<td>PHYSICAL EDUC FACILITIES &amp; EQUIPMENT</td>
<td>A course emphasizing the functional planning of physical education facilities and equipment for outdoor and indoor areas, stadium, gymnasium, swimming pool and other.</td>
</tr>
<tr>
<td>PHED 5202</td>
<td>HEALTH &amp; PE FOR THE ELEMENTARY TEACHER</td>
<td>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.</td>
</tr>
<tr>
<td>PHED 5212</td>
<td>HEALTH &amp; PE FOR THE SECONDARY TEACHER</td>
<td>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.</td>
</tr>
<tr>
<td>PHED 5222</td>
<td>PHYSICAL EDUCATION IN HIGHER EDUC</td>
<td>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.</td>
</tr>
<tr>
<td>PHED 5232</td>
<td>TRENDS AND ISSUES IN PHYSICAL EDUCATION, RECREATION, AND ATHLETICS</td>
<td>An investigation of the major trends and critical issues in the areas of physical education, recreation and athletics, with emphasis upon program innovations and needed improvements.</td>
</tr>
<tr>
<td>OCTE 5900</td>
<td>PRACTICUM IN VOCATIONAL 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>OCTE 5910</td>
<td>SEMINAR IN OCCUPATIONAL TECHNOLOGY</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>OCTE 5920</td>
<td>DIRECTED READINGS IN OCCUPATIONAL TECHNOLOGY 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>OCTE 5930</td>
<td>INDIVIDUAL STUDY IN VOCATIONAL 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>OCTE 5940</td>
<td>SPECIAL TOPICS IN OCCUPATIONAL TECH</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>
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<tr>
<td>OCTE 5950</td>
<td>INTERNSHIP IN OCCUPATIONAL TECHNOLOGY</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>OCTE 5960</td>
<td>INSTITUTE IN OCCUPATIONAL TECHNOLOGY</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>OCTE 5920</td>
<td>DIRECTED READINGS IN OCCUPATIONAL TECHNOLOGY EDUCATION</td>
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<td>OCTE 5930</td>
<td>INDIVIDUAL STUDY IN VOCATIONAL EDUCATION</td>
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</table>

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Graduate Catalog, 2002-2003

Department of Kinesiology and Health Studies
Course Descriptions

PHED 5920  DIRECTED READING IN PHYSICAL EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHED 5930  INDIVIDUAL STUDY IN PHYSICAL 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 head and director of graduate studies.

PHED 5940  SPECIAL TOPICS IN PHYSICAL EDUCATION
Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics.

PHED 5950  INTERNSHIP IN PHYSICAL 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.

PHED 5960  INSTITUTE IN PHYSICAL EDUCATION
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHED 5970  STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

PHED 5990  THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PSYCHOLOGY (PSY)

Department of Psychology

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 on 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 of instructor.

PSY 5143  ADVANCED DEVELOPMENTAL PSYCHOLOGY
This course provides an in-depth examination of human development from infancy through later adulthood with primary emphasis on psychological research, theory, and its application. Prereq: PSY 2833 and written permission required.

PSY 5193  EXPERIMENTAL DESIGN
A foundation course which stresses the complimentary 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 of instructor.

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 & TECHNIQUES OF COUNSELING
Philosophy and theory underlying varied counseling techniques with application through preparation and critique of counseling tapes. Prereq: admitted to the program and written permission of instructor.

PSY 5483  THEORIES AND TECHNIQUES OF GROUP COUNSELING
Introduction to group dynamics theory and group counseling techniques. Emphasis is placed on utilization of group dynamics in various counseling settings; evaluation of group dynamics as a counseling technique; observation, participation, and conduct-
Course Descriptions

Prereq: PSY 5473 and written permission of instructor.

PSY 5493 COMPETENCY BASED COUNSELING
The primary focus of this course is to prepare the counseling student for entry into the first semester of practicum placement outside the university. The students will simulate all of the practicum work under the direct supervision of the UCO faculty. Students will be provided with training experiences which require the integration of their counseling, developmental, abnormal psychology, and diagnostic training. The nature and structure of the course also follows the design and requirements of council for accreditation of counseling and related educational programs. Prereq: PSY 5473, 5483 and written permission of instructor.

PSY 5553 MARRIAGE & FAMILY COUNSELING THEORIES
Overview of major theories in family counseling including structural, strategies, Bowenian, and narrative. Prereq: written permission of instructor.

PSY 5563 ADVANCED SOCIAL PSYCHOLOGY
An in-depth study of the interaction between man and his social environment with special emphasis on current themes and methods of social research. Prereq: written permission of instructor.

PSY 5573 MARRIAGE & FAMILY COUNSELING: ASSESSMENT & INTERVENTION
This is an upper division course which provides an overview of family counseling theory as well as the major schools of family counseling. The Michael White model will be emphasized, and the successful student will leave the course with a working knowledge of the form of counseling. Prereq: PSY 5553 and written permission of instructor.

PSY 5583 ADVANCED TECHNIQUES OF COUNSELING
An in-depth study of contemporary counseling theory emphasizing critiquing and preparation of counseling tapes. Prereq: written permission of instructor.

PSY 5722 INTRODUCTION TO SCHOOL PSY SERVICES
A course designed to aid school psychometrist and school psychologists to explore their role and function, ethics for their discipline, legal implications, current research on assessment of children and adults, school placement, classroom management, referral sources, therapeutic intervention strategies, consultation, and professional affiliation. Prereq: written permission of instructor.

PSY 5753 ADVANCED SPSS
Emphasis is placed on coding data for data files, writing SPSS control files to read the data file to complete the SPSS procedures covered range from basic data transformations to complex multivariate procedures. Prereq: PSY 3813 or equivalent; PSY 4383 referred and written permission of instructor.

PSY 5793 INDIVIDUAL TESTING TECHNIQUES-BINET
A study of the rationale and administration of, and diagnostic uses of the Stanford-Binet intelligence scale. Prereq: written permission of instructor.

PSY 5803 INDIVIDUAL TESTING TECHNIQUES-WECHSLER
A study of the rationale and administration of the Wechsler tests. Emphasis is on administration and diagnostic uses of both adult and children scales. Prereq: admission to the program and written permission of instructor.

PSY 5813 DIAGNOSTIC TESTING TECHNIQUES
A survey of diagnostic techniques which would deal with sensory motor skills, language development, and social and emotional development. Emphasis would be placed on the rationale and functions of such instruments which would help specialists in reading, counseling, and psychometry to evaluate those aspects of behavior not currently assessed by traditional testing procedures. Prereq: PSY 5793 or 5803 and written permission of instructor.

PSY 5900 PRACTICUM IN PSYCHOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prereq: PSY 5483 or 5813 and written permission of instructor.

PSY 5910 SEMINAR IN PSYCHOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prereq: written permission of instructor.

PSY 5920 DIRECTED READING IN PSYCHOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 5930 INDIVIDUAL STUDY IN PSYCHOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 5940 SPECIAL TOPICS IN PSYCHOLOGY
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 5950 INTERNSHIP IN PSYCHOLOGY
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

PSY 5960 INSTITUTE IN PSYCHOLOGY
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PSY 5970 STUDY TOUR
Credit will vary 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.

TEACHER EDUCATION (PTE)
Department of Professional Teacher Education

PTE 5000 WORKSHOP IN PROFESSIONAL TEACHER 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 on a master's degree.

PTE 5013 FOUNDATIONS OF EDUCATIONAL RESEARCH
Development of working knowledge of the broad research methodologies (e.g., historical, descriptive, experimental, and ex post facto) and their attendant requirements for best utilization; and completion of a practical experience in conducting and writing research. Includes computer simulation in handling statistical data.

PTE 5112 MODERN PHILOSOPHIES OF EDUCATION
Current educational philosophies with special emphasis on those of the United States; provides for understanding of modern educational practices.
### Course Descriptions

**PTE 5142 HISTORY OF EDUCATION**  
Development of educational systems at the various levels, with emphasis on such development in the United States.

**PTE 5153 ADVANCED DEVELOP PSYCHOLOGY EDUCATIONAL SETTING**  
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.

**PTE 5172 EDUCATIONAL SOCIOLOGY**  
Functions of the school in a democratic society; its relationship to the total culture, and particularly to social problems.

**PTE 5203 ADVANCED EDUCATIONAL PSYCHOLOGY**  
Principles of learning and factors influencing improvement; measurement of learning achievement.

**PTE 5283 FUNDAMENTALS OF CURRICULUM DEVELOPMENT FOR SECONDARY SCHOOLS**  
A course designed to provide an in-depth study of curriculum in the Public Schools '6-12' and how to lead its improvement. Decision making curriculum improvement, process in curriculum improvement and current issues are focal points of this course.

**PTE 5322 PROBLEMS OF TEACHING IN THE SECONDARY SCHOOL**  
Critical study of the principle problems of instruction in areas common to secondary schools.

**PTE 5383 PRINCIPLES OF TESTS & MEASUREMENTS**  
Study of test and measurement principles (psychometric statistics, reliability and validity), types of educational and psychological assessment including group and individual approaches to intelligence, aptitude, achievement, interest and personality assessment.

**PTE 5413 EDUCATIONAL STATISTICS**  
Basic principles of organization and treatment of statistical data.

**PTE 5693 FUNDAMENTALS OF CURRICULUM DEVELOPMENT FOR ELEMENTARY SCHOOLS**  
Principles of curriculum organization together with selection and evaluation of instructional materials will be studied. Major emphasis will be placed on curriculum development and modification as they relate to the elementary school.

**PTE 5822 ADVANCED PSYCHOLOGY OF CHILDHOOD**  
Child development and its relation to instructional techniques; methods of child study.

**PTE 5832 ADVANCED PSYCHOLOGY OF ADOLESCENCE**  
Intensive study of the theories of adolescence and an overview of the problems characteristic of the period of adolescence related to various aspects of growth.

**PTE 5900 PRACTICUM IN TEACHER EDUCATION**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 5910 SEMINAR IN PROFESSIONAL TEACHER EDUC.**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 5920 DIRECTED READING IN PROFESSIONAL TEACHER EDUCATION**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 5930 INDIVIDUAL STUDY IN PROFESSIONAL TEACHER EDUCATION**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**PTE 5940 SPECIAL TOPICS IN TEACHER 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.

**PTE 5950 INTERNSHIP IN PROFESSIONAL TEACHER EDUC**  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

**PTE 5960 INSTITUTE IN PROFESSIONAL TEACHER EDUC**  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**PTE 5970 STUDY TOUR**  
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

**PTE 5990 'THESES**  
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

**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 on 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 WIASC-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 & SURVEY OF READING**  
An introductory course giving an overview of current practices in teaching reading, remedial and developmental reading techniques and a review of recent research in reading.
Course Descriptions

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  ORG AND SUPERVISION OF READING PROGRAMS
Policies and techniques of planning, implementing and supervising of reading centers and programs in schools and school systems.

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.

SAFETY(SFTY)
Department of Occupational And Technology 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 on 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. Prereq: Must be an Industrial Safety major and have completed a minimum of 12 hours in the field or receive the permission of the instructor.

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 contributes 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.
Course Descriptions

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, & 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
Life safety codes are critically examined within the scope of pertinent standards and codes to assure safety from fire and its effects. All classifications of occupancies will be defined in the course.

SFTY 5303 DRIVER & TRAFFIC SAFETY EDUC II
Special attention is given to administrative policies and practices, and selection, organization, and program evaluation. A study on qualification and certification standards for teachers of high school driver education, community resources, instruction strategy, evaluation of instructional materials and equipment. Laboratory practices will include experience in programming. Prereq: SFTY 3203.

SFTY 5402 SUPERVISION OF TRANSPORTATION
A study of transportation as it relates to industrial concerns, including hazardous materials, driver selection, accidents, and other safety areas.

SFTY 5413 HAZARD COMMUNICATION
Upon completion of this course, the student will be familiar with the principles of hazard and risk communication, the principles of design and delivery of hazard training programs, and the elements of an acceptable hazard communication program. Prereq: SFTY 2503.

SFTY 5423 APPLIED ERGONOMICS
This course explores methodologies and considerations involved with establishing an applied ergonomics program within industry included are methods for assessing ergonomic problems and needs, record keeping, work task analysis, investigation techniques, and corrective actions for reducing and/or eliminating ergonomic risk factors. Prereq: SFTY 3333.

SFTY 5433 OCCUPATIONAL RISK MANAGEMENT
This course will prepare the prospective safety manager to plan, coordinate and control activities in the work place. Both physical risk and legal risk will be studied. Prereq: SFTY 4083.

SFTY 5502 TRAFFIC ENGINEERING
This course is designed to orient the driver and safety educator to the basic characteristics and operations of the traffic engineering department; devices and techniques, signals, parking restrictions, coordination of traffic lights, channelization, redesign of intersections, utilization of reversible lanes or unbalanced flow, pedestrian controls and the use of signs and pavement markings.

SFTY 5522 INDUSTRIAL PROCESS SAFETY
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.

SFTY 5900 PRACTICUM IN SAFETY EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 5910 SEMINAR IN SAFETY EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 5920 DIRECTED READING IN SAFETY EDUCATION
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

SFTY 5930 INDIVIDUAL STUDY IN SAFETY EDUCATION
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 5940 SPECIAL TOPICS IN SAFETY 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.

SFTY 5950 INTERNSHIP IN SAFETY EDUCATION
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SFTY 5970 STUDY TOUR
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SFTY 5980 THESIS
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SLP 5000 WORKSHOP IN SPEECH-LANG 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 on a master’s degree.

SLP 5013 FOUNDATIONS OF SPEECH-LANG PATHOLOGY
A survey of the principles, concepts and terminology fundamental to the professions of speech-language pathology and audiology.
Course Descriptions

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, dysarthrias, 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.

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 PATH
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 PATH
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 LANG PATH.
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 INTERN 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.
Course Descriptions

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

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 on a master's degree.

SPED 5102 LANG.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 FOUND 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 EXCEPT 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 AND ADMINISTRATION IN SPECIAL EDUCATION
Examination of the social and psychological factors involved in program organization and management in special education. Focus will be on the factors affecting the establishment and operation of services for the exceptional student. Prereq: SPED 4123 or 5123.

SPED 5433 BEHAVIOR CLASSROOM MANAGEMENT
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. Prereq: SPED 4123 or 5123.

SPED 5452 CURRICULUM MODIFICATION/ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION
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. Prereq: SPED 4123 or 5123.

SPED 5582 SECONDARY SPECIAL EDUCATION
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. Prereq: SPED 4123 or 5123.

SPED 5653 PROCEDURES FOR MILD-MODERATE LEARNING DISABILITIES
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. Prereq: SPED 4123 or 5123.

SPED 5693 PROCEDURES FOR SEVERE-PROFOUND PHYSICAL HEALTH DISABILITIES
This course will study the academic, behavioral, emotional, and social procedures available to teach the student with severe to profound physical disabilities. Curriculum modifications will be researched pertaining to the wide range of physical and health problems of students with severe-profound physical and health disabilities. Specialized physical equipment and medical adaptations for this population will be explored in depth. Prereq: SPED 4123 or 5123.

SPED 5743 PROCEDURES FOR MILD-MODERATE EMOTIONAL/BEHAVIORAL DISABILITIES
A study of characteristics, problems of identification and educational programs for students with emotional disturbance and social maladjustment in public schools, day care centers, hospitals, and residential schools. Mental health principles for understanding, managing, and teaching emotionally disturbed children are included. Emphasis is placed upon the administrative
### Course Descriptions

**SPED 5920 DIRECTED READING IN SPECIAL EDUCATION**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SPED 5930 INDIVIDUAL STUDY IN SPECIAL EDUCATION**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**SPED 5940 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.

**SPED 5950 INTERNSHIP IN SPECIAL 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.

**SPED 5960 INSTITUTE IN SPECIAL EDUCATION**  
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**SPED 5970 STUDY TOUR**  
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

**SPED 5990 THESIS**  
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)**  
Department of Curriculum And Instruction

**TESL 5000 WORKSHOP IN TEACHING ENGLISH AS A SECOND LANGUAGE**  
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted on a master's degree.

**TESL 5123 FOUNDATIONS OF BILINGUAL/MULTICULTURAL EDUCATION**  
This course provides an overview of the history, philosophy and theoretical framework of bilingual/multicultural education, including the legal aspects of federal and state involvement. The purpose, instructional models, and populations served by bilingual education will be examined. Upon completion students will be able to discuss the issues concerning the development, the effectiveness, current trends, and future projections for bilingual/multicultural education programs in the U.S. Students will also develop a personal educational philosophy regarding cultural and linguistic diversity.

**TESL 5133 METHODS AND MATERIALS FOR BILINGUAL INSTRUCTION**  
This course is designed to provide knowledge of current trends, methods, strategies and resources related to instructional issues and practices in bilingual settings. Upon completion, students will demonstrate proficiency in designing and adapting curriculum materials for bilingual classrooms, and planning and implementing bilingual instruction. Prereq: permission required.

**TESL 5143 TEACHING READING TO ENGLISH LANGUAGE LEARNERS**  
This course will examine the basic considerations for teaching reading to limited English speakers. Topics will include: the role and importance of literacy, assessment, readiness, language comprehension/skills development, and instructional materials, strategies and resources.
Course Descriptions

COLLEGE: Education

TESL 5163  ESL IN CONTENT AREAS
This course will provide a rationale for cultural and linguistic considerations in content area instruction for students who are limited English proficient. Different approaches and specific techniques for teaching English as a second language in content areas will be examined, specifically in social studies, science, and math. Upon completion, students will demonstrate an ability to design curriculum which integrate content area processes and ESL methodology.

TESL 5213  CULTURAL/LINGUISTIC DIVERSITY IN SCHOOL
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 multicultural classrooms.

TESL 5313  TESTING & EVALUATION IN BILINGUAL & ESL CLASSROOMS
This course will examine the issues and concerns of language and achievement assessment in bilingual education and English as a second language programs. Various standardized test will be reviewed and analyzed. Principles and techniques of teacher-made test construction will be studied and applied in the development of an original assessment instrument. Upon completion students will prepare a professional quality assessment profile of an English language learner. Prereq: TESL 5783 or TESL 5143.

TESL 5763  SECOND LANGUAGE ACQUISITION
This course will provide an extensive review of research and literature in the field of second language acquisition. Students will examine the developmental nature of second language proficiency and the various factors that influence the process.

TESL 5783  TEACHING ENGLISH AS A SECOND LANGUAGE
This course provides the theoretical and practical foundations for teaching English as a second language. Upon completion, students will demonstrate a proficiency in utilizing ESL methodology, managing an ESL classroom and in developing and adapting supplementary materials for ESL instruction.

TESL 5900  PRACTICUM IN TEACHING ENGLISH AS A SECOND LANGUAGE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5910  SEMINAR IN TEACHING ENGLISH AS A SECOND LANGUAGE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5920  DIRECTED READING IN TEACHING ENGLISH AS A SECOND LANGUAGE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5930  INDIVIDUAL STUDY IN TEACHING ENGLISH AS A SECOND LANGUAGE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 5940  SPECIAL TOPICS IN TEACHING ENGLISH AS A SECOND LANGUAGE
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.

TESL 5950  INTERNSHIP 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. Supervised practical 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.
College of Education

Administrative Officers

Dean, Judith A. Coe
Assistant Dean, Pamela Fly

Graduate Faculty

*Anita G. Absher, B.S., Oklahoma State University, 1978; M.S., University of Central Oklahoma, 1983
*Steve Allen, B.S., University of Oklahoma, 1964; M.S., University of Oklahoma, 1973
*Esperanza Alvarez, B.S., Texas Women's University, 1974; M.A.T., Oklahoma City University, 1978
Chalon Anderson, B.S., University of Central Oklahoma, 1984; M.Ed., University of Central Oklahoma, 1986; Ph.D., Oklahoma State University, 1989
*Joyce M. Anderson, B.S., University of Central Oklahoma, 1988; M.S., University of Central Oklahoma, 1992
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Karen L. Barnes, B.S.N., University of Oklahoma Health Science Center, 1970; M.S., University of Oklahoma Health Science Center, 1989; Ph.D., University of Oklahoma, 1998
Lori A. Beasley, B.S., Oklahoma State University, 1978; M.Ed., University of Central Oklahoma, 1981; Ed.D., Oklahoma State University, 1996
Laura Beckham, B.S., Sam Houston State University, 1965; M.S., East Texas State University, 1968; Ed.D., University of Oklahoma, 1978
*Juana Benson, B.S., Oklahoma State University, 1986; M.S., Oklahoma State University, 1990
*Sheryle Birdsong, B.S., University of Central Oklahoma, 1994; M.Ed., University of Central Oklahoma, 1996
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*Carl E. Breazeale, B.S., University of Central Oklahoma, 1972; M.S., Central Missouri State University, 1978
Kathy A. Brown, B.S., University of Central Oklahoma, 1981; M.Ed., University of Central Oklahoma, 1986; Ph.D., Oklahoma State University, 1994
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College of Education

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Graduate Faculty

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**College of Education**

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D. Kaye Sears, B.S., University of Oklahoma, 1961; M.Ed., University of Central Oklahoma, 1969; Ed.D., Oklahoma State University, 1978

Candy A. Sebert, B.S., Oklahoma State University, 1972; M.Ed., Northeastern Oklahoma State University, 1974; Ed.D., Oklahoma State University, 1983

R. Paulette Shreck, B.S.Ed., Oklahoma Christian University of Science and Arts, 1975; M.Ed., University of Central Oklahoma, 1980; Ph.D., University of Oklahoma, 1994

*Karen Sneary*, B.S., Oklahoma State University, 1990; M.Ed., Northwestern Oklahoma State University, 1995

*Gayle Snider*, B.A., University of Colorado, 1972; M.P.H., University of North Carolina, 1978; M.S., University of Oklahoma, 1996

Terry E. Spigner, 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

Douglas C. Sprung, B.A., Western Michigan University, 1964; M.A., Western Michigan University, 1965; M.S., Central Michigan University, 1970; Ph.D., University of Michigan, 1973


Tana Stufflebean, B.S., Oklahoma State University, 1964; M.S., University of Central Oklahoma, 1977; Ph.D., Oklahoma State University, 1986

*Deborah Tice*, B.S., University of Central Oklahoma, 1991; M.Ed., University of Central Oklahoma, 1992

*Scott Uhalt*, B.S., Colorado State University, 1989; M.S. Baylor University, 1992; Ph.D., Colorado State University, 1989

*Shari Villani*, B.S.Ed., Northwestern Oklahoma State University, 1972; M.Ed., University of Central Oklahoma, 1993; Ed.D., Oklahoma State University, 1999

Judith E. Wakefield, B.S.Ed., Emporia State University, 1971; Ph.D., University of Oklahoma, 1986

Ida Kay Wall, B.S., University of Central Oklahoma, 1970; M.S., University of Central Oklahoma, 1979; Ed.D., Oklahoma State University, 1988

*Sherry Ward*, B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1995

**Graduate Faculty**

Marilyn B. Waters, B.S., Oklahoma State University, 1981; M.S., Oklahoma State University, 1985; Ph.D., Oklahoma State University, 1992

Brent L. Wendling, B.A., Syracuse University, 1966; M.Ed., Bowling Green State University, Ohio, 1973; Ph.D., Bowling Green State University, Ohio, 1986

John E. Westerman, B.A., Southeastern College of the Assemblies of God, 1968; M.S., Northern Illinois University, 1972; Ed.D., Northern Illinois University, 1974; M.Ed., University of Central Oklahoma, 1994

Charles M. Whipple, B.A., Southern Nazarene University, 1960; M.Ed., Phillips University, 1964; Ed.D., University of Oklahoma, 1968; Ph.D., Midwestern State University, 1973

Geraldine E. Wright, B.S., Phillips University, 1966; M.Ed., University of Oklahoma, 1972; Ph.D., University of Oklahoma, 1994

Lorraine K. Youll, B.A., Missouri Southern State College, 1984; M.A., University of Central Oklahoma, 1988; Ph.D., University of Oklahoma, 1994

*William C. Young*, B.S., University of Central Oklahoma, 1972; M.Ed., University of Central Oklahoma, 1977

*Associate Member*
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, thereby 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:

A. Apply for admission to the CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a "Recommendation for Admission to the College of Graduate Studies and Research" form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

II. Advisement

Upon admittance to the CGS&R, 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 is adequately prepared in his un-dergraduate preparation to complete work toward the Master of Arts in Criminal Justice Management and Administration.

III. M.A. Criminal Justice Management & Administration 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 5013</td>
<td>Juvenile Justice Systems Management</td>
</tr>
<tr>
<td>CJ 5093</td>
<td>Police Systems Management and Administration</td>
</tr>
<tr>
<td>CJ 5053</td>
<td>Criminal Justice Systems Management</td>
</tr>
<tr>
<td>CJ 5133</td>
<td>Correctional Systems Management</td>
</tr>
</tbody>
</table>

B. Thesis Option 18 hrs

1. 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
### Program: Criminal Justice Management and Administration

<table>
<thead>
<tr>
<th>Degree:</th>
<th>Master of Arts (M.A.)</th>
<th>College:</th>
<th>Liberal Arts</th>
</tr>
</thead>
</table>

...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 requirements, 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 CGS&R, Room 404, UC. See page 20.

**Note:** No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

E. 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 CGS&R before completion of the first semester.

F. 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.
Program: English—Contemporary Literature

Degree: Master of Arts (M.A.)

College: Liberal Arts

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 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.

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.

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 CGS&R, Room 404, UC. See page 20.

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. Meet with the Graduate Advisor, who will complete a "Recommendation for Admission to the College of Graduate Studies and Research" form for qualified students. Upon receipt of the completed recommen-

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 CGS&R before completion of the first semester.

Note: No student will be admitted to this program or to the CGS&R who does not meet the program admission standards.

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

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

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 require-
Program: English–Creative Writing

Degree: Master of Arts (M.A.)

College: Liberal Arts

ment 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 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.

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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.
E. The student and the graduate advisor will work out a form 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 CGS&R before completion of the first semester.
F. 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.
B. Every student must complete satisfactorily a course in five of the following areas of study in his or her graduate program:
   1. Pre 16th-century Literature
   2. 16th-century Literature
   3. 17th-century Literature
   4. 18th-century Literature
   5. 19th-century Literature
   6. American Literature to 1900
   7. 20th-century Literature


Program:  English–TESL

Degree:  Master of Arts (M.A.)

College:  Liberal Arts

C. Students must take at least two applied writing courses at the University Of Central Oklahoma in the genre of their thesis.

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 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.

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
This 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 CGS&R, Room 404, UC. See page 20.
Note: No student will be admitted to this program or to the CGS&R 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. These hours can be completed while taking courses for the TESL option; however, these hours will not count toward the MA degree.
C. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.
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 CGS&R before completion of the first semester.
E. 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.
Program: English–Traditional Studies

Degree: Master of Arts (M.A.)

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 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.

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.

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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

E. 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
Program: English–Traditional Studies

Degree: Master of Arts (M.A.)

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 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.
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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. 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 CGS&R with a document showing that he/she possesses a current Oklahoma Standard Teaching Certificate or License.

E. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&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 this plan of study must be filed with the advisor and the CGS&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

III. M.A. in History Curriculum 33 hrs

A. Master of Arts in History

1. Core Courses 6 hrs
   HIST 5013 Historiography 3 hrs
   HIST 5913 Seminar in History 3 hrs

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 18 hrs

1. Core Courses
   HIST 5013 Historiography 3 hrs
   HIST 5913 Seminar in History 3 hrs
   HIST 5523 Museum Management 3 hrs
   HIST 5623 Museum Theory & Practice 3 hrs
   HIST 5950 Internship 6 hrs
   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
   a. Any graduate history courses 6 hrs
   b. Electives in history or other courses 9 hrs
   These courses must be approved by the student’s advisory committee and may include thesis hours.
Program: History

Degree: Master of Arts (M.A.)

College: Liberal Arts

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 1-5 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.

Non-thesis students for the General History and Museum Studies option will take written examinations prepared by their advisory committees. These students will also take an oral examination of one to two hours defending the written exam and covering their graduate course work.

Students in the Social Studies Teaching option will take oral examinations. Each exam will be from one to two hours and will cover the graduate work taken by the student.
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, Urban Affairs, and General Political Science. The General and International Affairs options can be undertaken during the day or evening, while the Urban 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:pltsc@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 CGS&R, Room 404, UC. See page 20.

**Note:** No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R before completion of the first semester.

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

F. 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 5023</td>
<td>Scope of the Discipline</td>
<td>12 hrs</td>
</tr>
<tr>
<td>POL 5033</td>
<td>Research Methods</td>
<td></td>
</tr>
<tr>
<td>POL 5153</td>
<td>American Politics</td>
<td></td>
</tr>
<tr>
<td>POL 5813</td>
<td>Political Philosophy</td>
<td></td>
</tr>
</tbody>
</table>

B. Research Component 3-6 hrs

The student would fulfill one of the following two requirements, in consultation with the faculty advisor:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 5983</td>
<td>Capstone Paper</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POL 5990</td>
<td>Thesis</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 5013</td>
<td>Urban History, Institutions, and Environment</td>
<td></td>
</tr>
<tr>
<td>POL 5603</td>
<td>Theories of International Relations</td>
<td></td>
</tr>
<tr>
<td>POL 5703</td>
<td>Theories of Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>POL 5913</td>
<td>Seminar in Political Science</td>
<td></td>
</tr>
</tbody>
</table>

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 to concentrate in either international political economy or foreign policy and security studies.

**Required Courses** 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 5603</td>
<td>Theories of International Relations</td>
<td></td>
</tr>
<tr>
<td>POL 5703</td>
<td>Theories of Comparative Politics</td>
<td></td>
</tr>
</tbody>
</table>

Electives 12-15 hrs

**Urban Affairs Option**

The curriculum for this option is intended to provide students a foundation in public policy, with a particular emphasis on the urban 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 5193</td>
<td>Public Finance and Budgeting</td>
<td></td>
</tr>
<tr>
<td>POL 5413</td>
<td>Public Policy Analysis</td>
<td></td>
</tr>
</tbody>
</table>

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
Course Descriptions

**COMM 5940 SPECIAL TOPICS IN COMMUNICATION**
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.

**COMM 5950 INTERNSHIP IN COMMUNICATION**
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.

**COMM 5960 INSTITUTE IN COMMUNICATION**
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.

**CRIMINAL JUSTICE (CJ)**
Department of Sociology, Criminal Justice, & Substance Abuse Studies

**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 on 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 perspective. Prereq: POL 3613.

**CJ 5053 CRIMINAL JUSTICE SYSTEM MANAGEMENT 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 systematically.
Course Descriptions

CJ 5063 INNOVATIONS IN CORRECTIONS & PENOLOGY
This course will be designed to explain the needs for research and the interpretation of data in the criminal justice system. Emphasis will be placed on planning, interpretation, implementation, and evaluation of programs in corrections and penology. The remainder of the course will focus on new and innovative programs in corrections and penology.

CJ 5073 ELEMENTS OF CRIMINAL OFFENSES
This course will examine the foundations of American jurisprudence and the enactments of criminal offense statutes. The elements of and defenses to inchoate offenses, offenses against persons, crimes against persons, crimes against morality, alcohol/drug offenses, white collar/organized crime, offenses against public health, offense against public order and offenses against justice and public order will be reviewed in detail as well as other miscellaneous crimes, statutes and important appellate court cases. Prereq: POL 3613.

CJ 5093 POLICE SYSTEM MANAGEMENT AND ADMINISTRATION
The police process in America will be viewed from a systems approach. Police activity represents only one aspect of the total criminal justice process. Areas to be covered: (1) police systems management and administration, (2) behavioral science application to police management, (3) police management and administration tasks, (4) systems analysis for police, (5) organizational development and managerial functions, and (6) police productivity.

CJ 5113 RESEARCH METHODS 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 MANAGEMENT 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 correctional process and its relationship to other institutional and organizational elements within the total Criminal Justice system.

CJ 5143 FAMILY VIOLENCE INVESTIGATIONS
This course will cover law enforcement/social service agency investigations of family violence and provide an overview of the many facets, characteristics and theories of family violence, including but not limited to, child abuse/neglect, elder abuse/neglect, domestic violence (spousal & non-spousal), dating violence and date rape. Prereq: graduate standing.

CJ 5203 DANGEROUS AND VIOLENT OFFENDERS
This course presents the characteristics, behaviors, and attitudes of violent offenders with particular emphasis on sex offenders. The areas of domestic violence, pedophilia, sexual assault, and mass and serial murder comprise separate sections of the course. Prereq: CJ 3633.

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, arrest, search and seizure, evidentiary standards, methods of evidence presentation and evidentiary standards and procedures for courtroom testimony. This course will conclude with an in-depth analysis of the ethical responsibilities of the 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 & 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: SOC 3103, and 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. Prereq: CJ 4063, 4703, 4723.

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.
Course Descriptions

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 CRIM JUSTICE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Readings at the direction of an instructor on an individual basis.

CJ 5930 INDIVIDUAL STUDY IN CRIM JUSTICE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Study completed on an individual basis covering material specified by the instructor.

CJ 5940 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 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

CJ 5960 INSTITUTE IN CRIMINAL JUSTICE
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Assignments are given and students receive normal letter grades.

CJ 5970 STUDY TOUR
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.

CREATIVE WRITING (CSDY)
Department of English

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 on 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. Prereq: Permission of instructor.

CSDY 5213 LITERARY IMPRESSIONISM: FORD, CONRAD, & 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 will give 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 & THE EXPATRIATES: WRITING
This course focuses on discussion and analysis of the jazz age and the expatriate writers. This course is designed for juniors, seniors, or graduate students and assumes a high level of competence in reading knowledge of French required. 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 5243 FORM & THEORIES OF PRE-SHELIA SEREAN LITERATURE
This course will analyze traditional English texts from the point of view of the creativity of character and their relation to narrative. This course will be 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
To examine representative texts in eighteenth 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
This is a continuation of CSDY 3593 and 4253, aiding the student in the final structuring and composition of his writing project. A third 100 pages of polished copy is required and student work is analyzed against exemplary materials for publication submissions.

CSDY 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 and prepare a report analyzing a contemporary novel. The graduate student will read and prepare two reports analyzing two contemporary novels. **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 5553 SCREENWRITING**

The student will read contemporary screenplays, view popular movies, and write creatively in the screenplay genre. The graduate student will view and analyze additional movies and produce 50% more creative manuscript pages. **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. The graduate student will view and analyze additional television shows, and produce 50% more creative manuscript pages. **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 THESIS**

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**ENGLISH (ENG)**

Department of English

**ENG 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 on 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 will provide 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, memorandums 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 5103 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 twentieth century criticism and practice in the various modes of literary analysis.

**ENG 5133 19TH CENTURY BRITISH NOVEL**

This course will provide an intensive examination of novels by British fiction writers during the 19th Century. With an emphasis on context and an attempt to understand the intellectual, political, and artistic preoccupations of Britain’s 19th Century, the course will direct attention to themes and social commentary in an artistic literary approach to 19th Century British fiction.

**ENG 5153 VICTORIAN 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.
Course Descriptions

ENG 5173  ROMANTIC POETRY
A study of the major poets of the Romantic period from the 1780's to the 1820's, 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.

ENG 5183  RESTORATION & EARLY 18TH CENTURY BRITISH LITERATURE
A one semester course concentrating 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 concentrated 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.

ENG 5193  20TH CENTURY BRITISH NOVEL BEFORE WWII
A study of the major British novelists and their work from approximately 1900 to 1940. This course focuses on the modernist movement in British literature.

ENG 5203  THE AGE OF JOHNSON
The Age of Johnson studies seventeen lesser, non-novel writers of the latter half of the eighteenth century while emphasizing the dominating figures, Samuel Johnson and James Boswell, in their cultural milieu.

ENG 5213  18TH CENTURY BRITISH NOVEL
A study of the major British novelists and their work in the 18th century. The course will focus on the rise of the British novel and it will deal with the major antecedent of the novel as a genre.

ENG 5223  SOUTHERN WOMEN WRITERS
A survey of 20th Century American Women writers. Writers studied include Eudora Welty, Flannery O'Connor, Kate Chopin, Carson McCullers, Alice Walker, Zora Neale Hurston and contemporary writers such as Shirley Ann Grace and Elizabeth Spencer.

ENG 5233  AMERICAN NOVEL I
The course will cover the development of the American novel from its beginnings in the late 18th Century through the romantic, realist, and naturalist periods.

ENG 5243  CHAUCER
A one semester course studying 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.

ENG 5253  AMERICAN NOVEL II
A one semester course surveying 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.

ENG 5273  AMERICAN FICTION SINCE WORLD WAR II
A one semester course examining the development of post-modern American fiction. Beginning with two seminar 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.

ENG 5283  ENGLISH GRAMMAR AND USAGE
This one semester course provides a detailed scholarly analysis of contemporary English. Although the approach is descriptive rather than prescriptive, a distinction is made between formal and informal usage. Textbook analysis are supplemented by work-book exercises and readings in scholarly journals.

ENG 5293  COLONIAL AMERICAN LITERATURE
The course will attempt to form a comprehensive picture of colonial American letters which will include works —picaresque travel narratives, bawdy Hudibrastics, heroic Augustan verse— from the mid-Atlantic and Southern colonies. Many colonial American authors await discovery.

ENG 5303  HISTORY OF THE ENGLISH LANGUAGE
The origins and historical development of the English language, including vocabulary, phonology, syntax, orthography, and morphology throughout the three main periods of development — Old English, Middle English, and Modern English. We will consider the time periods; major influences on and characteristics of the language in each period; and how the language influenced, was influenced by, and is reflected in the literature of each period.

ENG 5333  TEACHING SHAKESPEARE
This is a course in the methods of teaching Shakespeare. In-depth study of four plays, including the study of literary criticism pertinent to each play, is combined with pedagogical theory and practice. The “performance method” of teaching Shakespeare, defined by Michael Tolaydo and the Folger Teaching Shakespeare Institute, is given special consideration.

ENG 5343  LINGUISTICS
The course is a comprehensive study of the English language from sounds (phonetics and phonology) to words (morphology) to structure (syntax) to meaning (semantics). The course also examines some social aspects of language (especially dialectology) as well as some applications of linguistic theory to other fields.

ENG 5353  ISSUES IN LINGUISTICS
This course offers an intensive study of a specific topic within the discipline of linguistics. Content will vary within the limits of discipline.

ENG 5383  MODERN AMERICAN POETRY
A one semester course surveying the major figures in Modernist American Poetry, including Frost, Pound, Stevens, and Williams. The seminar examines the prose criticism of these writers as well as their poetry and assesses their contributions to the development of twentieth-century literary theory.

ENG 5413  TESL GRAMMAR
The course will allow graduate students to study the practical application of grammatical theories in English as a Second Language (ESL) instruction through both primary and secondary research.

ENG 5423  A LITERARY STUDY OF THE BIBLE
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.

ENG 5463  AMERICAN INDIAN LITERATURE
This course will provide 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 will include 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 Seventeenth Century poet, puritan and revolutionary. Through close critical readings of Milton's work, the class will examine such Miltonic themes as loss, guilt, patience, choice, trial, free will, the relationship between men and women and their relationship with God. The class will study the literary genres which Milton adopts and adapts (epic, tragedy, pastoral, masque, etc.), and the poetics, aesthetics, and ethics which inform his work. The course will analyze Milton in his various roles of farsighted politician, profound theologian, and visionary poet.
Course Descriptions

ENG 5503  SIXTEENTH-CENTURY BRITISH LITERATURE
The course provides a survey of sixteenth century British prose, poetry, and drama. It will provide an extensive examination of writers and literary forms arising during Britain's 16th Century, each of which demonstrates continuing literary and historical importance to literature in English.

ENG 5513  LITERARY WORKS OF C.S. LEWIS
This course will provide comprehensive coverage of the literary works of C. S. Lewis and a brief look at related criticism. The course will include literary interpretation, genres, motifs, literary devices, and themes of the works.

ENG 5523  MAJOR FIGURES AND MOVEMENTS IN LIT
This course offers an intensive study of specific authors literary movements. Special attention will be paid to the literary, historical, and critical contexts of the authors or movements selected for study. Content will vary within the department's field of study.

ENG 5533  METHODS OF TEACHING COMPOSITION FOR TEACHING ASSISTANTS
This course provides teaching assistants with the training necessary to teach first year composition. Students will focus on the pedagogical concerns involved in teaching the writing process and will come to understand the effects that professional attitude, grading procedures, conferring with students, and the use of technology have on the objectives of the class as a whole. 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 fifth century B.C. through the seventeenth 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
A one semester survey course examining 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 will focus on "post-modernism" 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 Seventeenth 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
A one semester course offering 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 will explore literature written specifically for or taught to an adolescent audience and will focus 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 LIT
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 will 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 will vary 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
A one semester course that 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 course is methodology course which links educational philosophy or theory to the formulation of units, behavioral objectives, and daily lesson planning relative to teaching grammar, composition, literature in the secondary schools. Prereq: Bachelor in Education or admitted to a certification program.

ENG 5853  STUDIES IN SHAKESPEARE: THE COMEDIES
A one semester course offering 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. 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.

**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 on a master's degree.

**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. **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 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. 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.
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<th>Course Descriptions</th>
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<td><strong>FRCH 5990 THESIS</strong></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>
<td><strong>GEOGRAPHY (GEO)</strong></td>
<td>Department of History And Geography</td>
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<tr>
<td><strong>GEO 5000 WORKSHOP IN GEOGRAPHY</strong></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 speakers, etc. A grade of &quot;P&quot; or &quot;F&quot; will be given. No more than 2 hours of workshop may be counted on a master's degree.</td>
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<tr>
<td><strong>GEO 5103 HISTORICAL GEOGRAPHY OF THE US</strong></td>
<td>Geographical environment as it has modified and influenced the historical growth of the United States.</td>
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<tr>
<td><strong>GEO 5503 GEOGRAPHY OF SOUTH AMERICA</strong></td>
<td>An intensive study of the geography of South America.</td>
</tr>
<tr>
<td><strong>GEO 5703 GEOGRAPHIC INFORMATION SYSTEMS FOR K-12 EDUCATION</strong></td>
<td>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.</td>
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<tr>
<td><strong>GEO 5900 PRACTICUM IN GEOGRAPHY</strong></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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<td><strong>GEO 5910 SEMINAR IN GEOGRAPHY</strong></td>
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<td><strong>GEO 5940 SPECIAL TOPICS IN GEOGRAPHY</strong></td>
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<td><strong>GEO 5950 INTERNSHIP IN GEOGRAPHY</strong></td>
<td>Credit will vary from 1 to 8 hours. Supervised practical experience gained in a professional field by an advanced or graduate student.</td>
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<td><strong>GEO 5970 STUDY TOUR</strong></td>
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<td><strong>GEO 5980 THESIS</strong></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>
<td><strong>GERMAN (GERM)</strong></td>
<td>Modern Languages, Literatures &amp; Cultural Studies</td>
</tr>
<tr>
<td><strong>GERM 5000 WORKSHOP IN GERMAN</strong></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 on a master's degree.</td>
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<td><strong>GERM 5203 READINGS IN GERMAN CULTURE &amp; CIVILIZATION</strong></td>
<td>Prereq: Eighteen hours of German or equivalent.</td>
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<tr>
<td><strong>GERM 5223 ADVANCED GERMAN GRAMMAR</strong></td>
<td>Prereq: Eighteen hours of German or equivalent.</td>
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<tr>
<td><strong>GERM 5313 JOHANN W. VON GOETHE: LIFE, LITERATURE AND LEGACY</strong></td>
<td>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 &quot;literary&quot;. Prereq: 17 hours of German courses.</td>
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<td><strong>GERM 5900 PRACTICUM IN GERMAN</strong></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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<td><strong>GERM 5910 SEMINAR IN GERMAN</strong></td>
<td>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.</td>
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<td><strong>GERM 5920 DIRECTED READING IN GERMAN</strong></td>
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<td><strong>GERM 5930 INDIVIDUAL STUDY IN GERMAN</strong></td>
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<td><strong>GERM 5940 SPECIAL TOPICS IN GERMAN</strong></td>
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<td><strong>HISTORY (HIST)</strong></td>
<td>Department of History And Geography</td>
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<tr>
<td><strong>HIST 5000 WORKSHOP IN HISTORY</strong></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 on a master's degree.</td>
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<tr>
<td><strong>HIST 5013 HISTORIOGRAPHY</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>HIST 5103 EUROPE, 1919 TO 1945</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>HIST 5113 AMERICAN DIPLOMACY IN THE 20TH CENTURY</strong></td>
<td>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.</td>
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<tr>
<td>HIST 5153</td>
<td>HISTORY OF LATIN AMERICA</td>
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<td>HIST 5203</td>
<td>AMERICAN DIPLOMATIC HISTORY TO 1900</td>
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<td>HIST 5213</td>
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<td>HIST 5403</td>
<td>INDIANS OF THE SOUTHWEST</td>
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<td>HIST 5433</td>
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<td>HIST 5443</td>
<td>THE AMERICAN REVOLUTION &amp; EARLY NATIONAL PERIOD, 1763-1815</td>
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<td>HIST 5502</td>
<td>CRITICAL &amp; ANALYTICAL STUDY OF HISTORY</td>
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<td>HIST 5523</td>
<td>MUSEUM MANAGEMENT</td>
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<tr>
<td>HIST 5533</td>
<td>HISTORY OF THE UNITED STATES, 1919-1945</td>
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<tr>
<td>HIST 5543</td>
<td>ANTHROPOLOGY: SOCIETY IN GLOBAL PERSPECTIVE</td>
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<tr>
<td>HIST 5553</td>
<td>JACKSONIAN AMERICA, 1815 TO 1848</td>
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<td>HIST 5563</td>
<td>CIVIL WAR AND RECONSTRUCTION</td>
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<td>HIST 5573</td>
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<td>HIST 5613</td>
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<td>HIST 5623</td>
<td>MUSEUM THEORY AND PRACTICE</td>
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<td>HIST 5633</td>
<td>HISTORY OF THE UNITED STATES, BETWEEN 1789 AND 1795, THE RISE OF NAPOLEON</td>
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<td>HIST 5663</td>
<td>THE FRENCH REVOLUTION AND NAPOLEON</td>
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<td>HIST 5723</td>
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<td>HIST 5743</td>
<td>MODERN CHINA AND JAPAN</td>
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<tr>
<td>HIST 5753</td>
<td>MODERN CHINA AND JAPAN</td>
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<tr>
<td>HIST 5753</td>
<td>The African American Experience to 1900</td>
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<td>HIST 5763</td>
<td>The African American Experience Since 1900</td>
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<tr>
<td>HIST 5773</td>
<td>Modern German History</td>
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<td>HIST 5813</td>
<td>The History of Greece and Rome</td>
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<td>HIST 5823</td>
<td>Social &amp; Cultural History of the US to 1865</td>
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<tr>
<td>HIST 5833</td>
<td>Social &amp; Cultural History of the US since 1865</td>
</tr>
<tr>
<td>HIST 5843</td>
<td>Major Interpretations of American History</td>
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<tr>
<td>HIST 5853</td>
<td>The History of Modern Southeast Asia</td>
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<tr>
<td>HIST 5873</td>
<td>History of the US, 1945-present</td>
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<td>HIST 5883</td>
<td>The Reformation, 1500-1648</td>
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<td>HIST 5893</td>
<td>Europe, 1871-1919</td>
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<td>HUM 5900</td>
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<td>Directed Reading in History</td>
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<td>HUM 5930</td>
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<td>HUM 5940</td>
<td>Special Topics in Humanities</td>
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<td>HUM 5950</td>
<td>Internship in History</td>
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<td>HUM 5960</td>
<td>Institute in Humanities</td>
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<tr>
<td>HUM 5970</td>
<td>Study Tour</td>
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</table>

**Graduate Catalog, 2002-2003**

University of Central Oklahoma

College: Liberal Arts
### Course Descriptions

**JOUR 5123 ADVANCED NEWS EDITING**
Advanced theory and practice of editing copy, writing headlines, design and composing of pages of newspapers. Lab 5123L must be taken concurrently. **Prereq:** JOUR 3143.

**JOUR 5123L ADVANCED NEWS EDITING LAB**
Laboratory to accompany JOUR 5123.

**JOUR 5192 EDITORIAL WRITING**
Theory and practice of researching and writing the editorial for the specific fields of public relations and advertising. **Prereq:** JOUR 3223.

**JOUR 5193 PUBLIC RELATIONS CASE STUDIES**
Case studies of specific public relations problems; planning short and long range public relations programs for various media. **Prereq:** JOUR 3223.

**JOUR 5203 PRESS THEORIES**
A study of various ethical values of the world press as practiced by authoritarian, communistic, libertarian, and social responsibility theories. **Prereq:** JOUR 1143.

**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. **Prereq:** JOUR 3223.

**JOUR 5252 PUBLIC RELATIONS CAMPAIGNS**
Preparation and presentation of special public relations efforts in business, government, education, health and other areas. **Prereq:** JOUR 3223.

**JOUR 5253 NONFICTION WRITING II**
Discipline and guidance in developing a nonfiction book project or magazine articles. **Prereq:** JOUR 3223.

**JOUR 5262 PUBLIC RELATIONS CAMPAIGNS**
A study of various ethical values of the world press as practiced by authoritarian, communistic, libertarian, and social responsibility theories. **Prereq:** JOUR 1143.

**JOUR 5283 ADVERTISING CAMPAIGNS**
A study of 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 3283.

**JOUR 5303 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 needed 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.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>JOUR 5563</td>
<td>ETHICS AND LAWS OF THE PRESS</td>
<td>Department of Modern Languages, Literatures, &amp; Cultural Studies</td>
<td>A study of the various legal rights and restrictions, ethics, duties, and responsibilities of the press.</td>
</tr>
<tr>
<td>JOUR 5842</td>
<td>TEACHING JOURNALISM IN SEC SCH</td>
<td>Department of Humanities And Philosophy</td>
<td>Problems and methods.</td>
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<tr>
<td>JOUR 5900</td>
<td>PRACTICUM IN JOURNALISM</td>
<td>Department of Humanities And Philosophy</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>JOUR 5910</td>
<td>SEMINAR IN JOURNALISM</td>
<td>Department of Humanities And Philosophy</td>
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<td>JOUR 5920</td>
<td>DIRECTED READING IN JOURNALISM</td>
<td>Department of Humanities And Philosophy</td>
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<td>INDIVIDUAL STUDY IN JOURNALISM</td>
<td>Department of Humanities And Philosophy</td>
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<tr>
<td>JOUR 5940</td>
<td>SPECIAL TOPICS IN JOURNALISM</td>
<td>Department of Humanities And Philosophy</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>
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<tr>
<td>JOUR 5950</td>
<td>INTERNSHIP IN JOURNALISM</td>
<td>Department of Humanities And Philosophy</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>
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<tr>
<td>LATN 5900</td>
<td>PRACTICUM IN LATIN</td>
<td>Department of Humanities And Philosophy</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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</table>
PHIL 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

POLITICAL SCIENCE (POL)
Department of Political Science

POL 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 on a master's degree.

POL 5013 URBAN HISTORY, INSTITUTIONS, & ENVIRONMENTS
The study of contemporary political, social, and economical 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 AND 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 will come from among the following: Presidency, Congress, judiciary, political parties, interest groups, electoral behavior, media in politics, and public opinion.

POL 5163 INTERGOVERNMENTAL RELATIONS
An exploration of the relationships among the federal, state, metropolitan, and local units of government. Current trends, issues, administrative structures and procedures are emphasized.

POL 5173 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 establish-
Course Descriptions

POL 5444 ENVIRONMENTAL POLITICS
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. **Prereq:** POL 1113.

POL 5523 URBAN HOUSING POLICY
A study of the various factors which affect national and local housing issues, with discussion of housing problems in the urban environment.

POL 5533 DEVELOPMENT DISPUTE RESOLUTION
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.

POL 5543 STATE ADMINISTRATION
A study of the administrative institutions, policy making processes, and political environment of state government. **Prereq:** Both theory and practice. **Prereq:** POL 1203, 2413.

POL 5603 THEORY OF INTERNATIONAL RELATIONS
An examination of the major theories of international relations, focusing on their contributions to framing the analysis of international interactions. The works of seminal authors will be studied for their insights into such central concepts of international political analysis as: sovereignty, balance of power, and national interest.

POL 5613 WORLD POLITICS
An analysis of the political interactions among nation-states, multinational corporations, and international organizations; and the pattern of relationships that result. Focuses particularly on war-peace issues and the politics of international economic and social relations. **Prereq:** POL 2303.

POL 5623 AMERICAN FOREIGN POLICY
A study of the major themes and issues which have, in recent years, informed the practice of American foreign policy. Among the topics covered are: the inter-branch struggle in foreign policy making, trade and national security policy, and challenges confronting American foreign policy in specific geographic and functional areas.

POL 5633 INTERNATIONAL LAW
A study of the legal aspects of international relations, and of the generative role of international law in informing actors of the nature and limits of authoritative practices within the international community.

POL 5643 INTERNATIONAL SECURITY STUDIES
A study of analytical frameworks which seek to explain the nature of international conflict. Consideration will also be given to such practical threats to stable peace and stability as weapons proliferation, regional military balances, strategic competition and threat psychology.

POL 5653 INTERNATIONAL ORGANIZATION
A study of the development and evolution of international organizations, and their role in international politics. Specific attention will be given to the United Nations system of international organizations, and other international entities such as the European Community, the Organization of American States, the World Bank, and NATO.

POL 5663 POLITICS AND THE WORLD ECONOMY
Analysis of the political dimension of economic relationships among international actors (including nation-states, multinational corporation, and international organizations). Emphasizes the politics of foreign investment, trade, and international finance from the differing perspectives of industrialized and developing countries.

POL 5673 ECONOMIC STATECRAFT
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.

POL 5693 CONTEMPORARY INTERNATIONAL ISSUES
An in-depth analysis of selected issues confronting the international political, security, and economic environment. Coverage of issues will vary depending on the interests of the instructor and on recent international developments. May be repeated for credit with permission of the student’s advisor.

POL 5703 THEORIES 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, and economic development will also receive attention.

POL 5713 AFRICAN POLITICAL SYSTEMS
This course examines the political systems of such North East Asian states as the People’s Republic of China, Japan, and the two Koreas. Important themes include the origins of their political systems, their operations, their political cultures, and the political-social-economic interactions which inform our understandings of these political systems.

POL 5723 POLITICAL SYSTEMS OF ASIA
This course will study the political systems of such major Latin American countries as Mexico, Brazil, Argentina, Chile, and Columbia. It will also examine such important Latin American political themes as: dependent economic development, political stability and change, and bureaucratic authoritarianism.

POL 5733 LATIN AMERICAN POLITICAL SYSTEM
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.
POL 5813 POLITICAL PHILOSOPHY
A focused examination of one of the major themes of political philosophy such as freedom, justice, democracy, or political economy, which applies a number of analytical methods to the selected them.

POL 5823 RELIGION AND POLITICS
This course examines the relationship between religion and politics in the United States, and in selected other countries, by focusing on the participation of religious organizations in the political process and the influence of religion upon leaders of governments and political movements.

POL 5833 SURVEY OF AMERICAN POLITICAL THOUGHT
A survey of main currents in American political thought from puritanism to the present. Prereg: POL 1113.

POL 5843 ANCIENT & MEDIEVAL POLITICAL THOUGHT
The development of political theories from Plato to Rousseau. Prereg: POL 1113.

POL 5853 MODERN POLITICAL THOUGHT
An analysis of the development of political philosophy from John Locke to the present, including fascism, communism, and other systems of political thought. Prereg: POL 1113.

POL 5900 PRACTICUM IN POLITICAL SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5910 SEMINAR IN GOVERNMENT
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5920 DIRECTED READING IN POLITICAL SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5930 INDIVIDUAL STUDY IN GOVERNMENT
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5940 SPECIAL TOPICS IN POLITICAL 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.

POL 5950 INTERNSHIP IN POLITICAL SCIENCE
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 internship may be counted on a master's degree.

POL 5960 INSTITUTE IN POLITICAL SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 5970 STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

POL 5980 CAPSTONE PAPER
This course meets the writing requirement that is part of the department's Master's program. The topic of the Capstone Paper is chosen in consultation with a faculty advisor and should reflect an important issue within the discipline.

POL 5983 CAPSTONE PAPER
This course meets the writing requirement that is part of the department's Master's program. The topic of the Capstone Paper is chosen in consultation with a faculty advisor and should reflect an important issue within the discipline.

POL 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SUBSTANCE ABUSE STUDIES (SAS)
Department of Sociology, Criminal Justice, & Substance Abuse Studies

SAS 5000 WORKSHOP IN SUBSTANCE ABUSE 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 on a master's degree.

SAS 5273 SUBSTANCE ABUSE AND THE FAMILY
This course is designed to provide the student with an overview of the dynamics of functional family systems. The course provides insight into the effects of chemical dependency on the family. The student is guided in exploring and identifying many of the characteristics of healthy and unhealthy family systems, including physical, emotional, and sexual abuse issues. In addition, family structure, roles, rules, 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. Prereg: 12 undergraduate semester hours in sociology and/or psychology, or permission of instructor.

SAS 5303 SUBSTANCE ABUSE IN SPECIAL POPULATIONS
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.

SAS 5333 ADVANCED COUNSELING SKILLS IN SUBSTANCE ABUSE
This course examines the helping relationship, including skills relevant to working with persons affected by chemical dependency. The course will include examination of qualities of a functional helping relationship and social-psychological issues involved in working with the chemically dependent person such as denial, treatment goals, and when/how to intervene in the dysfunctional personal/social world of this person. The course will include demonstration and role-playing of techniques of a functional helping relationship. Prereg: SOC 3023.

SAS 5343 PREVENTION & EDUC IN SUBSTANCE ABUSE
This course will examine contemporary prevention theories and the basic strategies of comprehensive prevention programming. The course will explore historical and current prevention programs. The course will examine the process of implementing prevention programs in communities through community mobilization and action planning. The course will explore prevention as a method of thinking about problems and issues.

SAS 5900 PRACTICUM IN SUBSTANCE ABUSE STUDIES
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAS 5910 SEMINAR IN SUBSTANCE ABUSE STUDIES
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAS 5920 DIRECTED READ IN SUBSTANCE ABUSE STUD
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prereg: Eighteen hours of Spanish or equivalent.

SAS 5930 IND STUDY IN SUBSTANCE ABUSE STUDIES
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.
Course Descriptions

SAS 5940  SPECIAL TOPICS IN SUBSTANCE ABUSE STUDY
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.

SAS 5950  INTERNSHIP IN SUBSTANCE ABUSE 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 the professional field of an advanced or graduate student.

SAS 5960  INSTITUTE IN SUBSTANCE ABUSE STUDIES
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SAS 5970  STUDY TOUR IN SUBSTANCE ABUSE STUDIES
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

SAS 5990  THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SOCIOLOGY (SOC)

Department of Sociology, Criminal Justice, and Substance Abuse Studies

SOC 5000  WORKSHOP IN SOCIOLOGY
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 2 hours of workshop may be counted on a master's degree.

SOC 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 organization, management and administration of juvenile bureaus will be covered. Operating juvenile systems will be studied and compared both on a national and international basis.

SOC 5043  SOCIOLOGICAL STATISTICS
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. Prereq: Bachelor degree in sociology or related area.

SOC 5053  SOCIOLOGY OF AGING
This course is designed to acquaint students with the magnitude of the aging situation in America and to become informed about the social, psychological, economic, and political problems associated with the increasing number of people reaching retirement age in America. Prereq: 3 hours of sociology.

SOC 5093  POLICE SYSTEM MANAGEMENT AND ADMINISTRATION
The police process in America will be viewed from a systems approach. Thus, 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, (6) police productivity.

SOC 5103  URBAN AND RURAL COMMUNITIES
Principles of community organization, the general attributes of communities, the special features of folk and modern city societies developed in contrast. Prereq: 9 hours of sociology.

SOC 5133  CORRECTIONAL SYSTEMS MANAGEMENT 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 correctional process and its relationship to other institutional and organizational elements within the total criminal justice system.

SOC 5233  HUMAN BEHAVIOR & THE SOCIAL ENVIRONMENT
In this course, various social systems are analyzed in regard to their impact upon the quality of human life. Human development theories and research are then studied chronologically, as they relate with environmental factors to determine the human condition. For each age group, sociological, psychological, and biophysical variables are examined, as well as the impact of diversity upon human behavior and social life.

SOC 5243  SOCIAL DEVIANCEx
This course defines social deviance, analyzes theories of deviance, examines social reactions to and 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. Prereq: SOC 2103 and 6 hours of sociology.

SOC 5403  SOCIAL ECOLOGY AND DEMOGRAPHY
An analysis of population movements and their effects on ecological and demographic factors in the society.

SOC 5443  SOCIAL STRATIFICATION
Theories of class and caste; wealth, status, and power; the American class system. Prereq: 9 hours of sociology.

SOC 5463  THE ABUSED
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. Prereq: A graduate in the social and behavioral sciences, or in professional helping areas, and an introductory course in chemical dependency studies.

SOC 5513  CONTEMPORARY SOCIAL MOVEMENTS
A critical consideration of social problems, causes of social maladjustments, a consideration of means for the amelioration of social ills.

SOC 5573  SOCIOLOGY OF CHILDHOOD & ADOLESCENCE
A study of the group phases of childhood, child welfare, and the sociological analysis of child and adolescence.

SOC 5633  SOCIAL WELFARE THEORY
Theory, structure and techniques of private, municipal, state, and federal welfare agencies.

SOC 5643  SOCIOLOGICAL THEORY
A study of both classical and contemporary sociological theorists. Emphasis is on understanding the biographical, social, and philosophical context of theory. An understanding of how to apply various sociological perspectives is also presented. Prereq: SOC 3103 or 3633 or 4243.

SOC 5773  SOCIOLOGICAL RESEARCH
This course teaches students a variety of research designs used in social research, e.g., experiments, quasi-experiments and correlational designs. The merits and shortcomings of each technique are reviewed, as well as related issues such as reliability and validity, correlation vs. causation, generalizability, the relationship between theory and research, and ethical considerations. Students also learn to design and implement several research projects. The major emphasis in this course is quanti-
Sociological Research Design

Course Descriptions

**Sociology (SOC)**

**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.

**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)**

**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.

**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. **Prereq:** Eighteen hours of Spanish or equivalent.

**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
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.

**Social Studies (SOST)**

Department of History and Geography

**SOST 5910** SEMINAR IN SOCIAL STUDIES
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**Spanish (SPAN)**

Department of Modern Languages, Literatures, and Cultural Studies

**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 on a master's degree.

**SPAN 5203** READINGS IN SPAN. 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.

**Spanish (SPAN)**

Department of Modern Languages, Literatures, and Cultural Studies

**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 on a master's degree.

**SPAN 5203** READINGS IN SPAN. CULTURE & CIVILIZATION **Prereq:** Eighteen hours of Spanish or equivalent.

**SPAN 5223** ADVANCED SPANISH GRAMMAR **Prereq:** Eighteen hours of Spanish or equivalent.

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College of Liberal Arts

Administrative Officers

Dean, T. H. Baughman
Assistant Dean, Pamela Washington

Graduate Faculty

Stanley J. Adamiak, B.A., University of Vermont, 1988; M.A., University of Nebraska, 1990; Ph.d., University of Nebraska, 1994
James F. Baker, B.A., University of Houston, 1965; M.A., Tulane University of Louisiana, 1967; Ph.D. Tulane University, 1971
T. H. Baughman, B.A., Stetson University, 1968; M.A., Ohio State University, 1969; Ph.D., Florida State University, 1990
Rosa J. Bird, B.A., University of Puerto Rico, Rio Piedras, 1987; M.A., University of Illinois at Urbana-Champaign, 1988; Ph.D., University of Illinois at Urbana-Champaign, 1991
Deborah J. Brown, B.A., Southern Nazarene University, 1974; M.A.T., Rolling College, 1979; Ph.D., University of Oklahoma, 1994
Kenny L. Brown, B.A., Oklahoma State University, 1972; M.A., Oklahoma State University, 1975; Ph.D., Oklahoma State University, 1985
*George Burnett, B.S., Oklahoma State University, 1981; J.D., Oklahoma City University, 1987
Amy Carrell, B.A., Purdue University, 1983; M.A. Purdue University, 1985; Ph.D., Purdue University, 1993
Terry M. Clark, B.A., University of Central Oklahoma, 1966; M.A., University of Iowa, 1969; Ed.D., Oklahoma State University, 1991
*Shawna Cleary, B.A., Central State University, 1985; M.A., University of Central Oklahoma, 1992; M.A., University of Central Oklahoma, 1993
*Sherry Coy, B.A., Oklahoma Baptist University, 1978; M.Ed., Southwestern Oklahoma State University, 1979; Ph.D., Nova Southeastern University, 2001
Eva Dadlez, B.A., Syracuse University, 1978; M.L.S., Syracuse University, 1982; M.A., Syracuse University, 1986; Ph.D., Syracuse University, 1991
*Darian C. De Bolt, B.A., University of Oklahoma, 1968; M.A., University of Oklahoma, 1985; Ph.D., University of Oklahoma, 1993
Jack W. Deskin, B.S., Oklahoma State University, 1964; M.A., Oklahoma State University, 1968; Ph.D., University of Southern Mississippi, 1977

Graduate Faculty

Daniel Donaldson, B.A., California State University, Fullerton, 1992; M.A., California State University, Fullerton, 1994; Ph.D., Kent State University, 1999
Keith Eakins, B.A., Ohio State University, 1985; J.D., Ohio State University, 1989; Ph.D., Ohio State University, 1999
*Ray Elliott, B.S., Southwestern Oklahoma State University, 1974; M.Ed., Southwestern Oklahoma State University, 1975; J.D., Oklahoma City University, 1980
LaMonia N. Evans, B.S., Bishop College, 1971; M.S., University of Central Oklahoma, 1975; Ph.D., University of Oklahoma, 1987
David A. Ford, B.A., Oral Roberts University, 1973; M.S., Oklahoma State University, 1975; Ph.D., Oklahoma State University, 1988
*Joseph Froehle, B.S., St. Benedict’s College, 1963; M.G.R., University of Oklahoma, 1966; M.A., Oklahoma City University, 1985; M.B.A., University of Oklahoma, 1992
Louis S. Furmanski, B.A., Union College-New York, 1972; M.A., Purdue University, 1980; Ph.D., Purdue University, 1990
Stephen Garrison, B.A., Baylor University, 1974; M.A., Baylor University, 1977; Ph.D., University of South Carolina, 1981
John E. George, B.S., University of Oklahoma, 1958; M.S., University of Oklahoma, 1960; M.A., University of Oklahoma, 1967; Ph.D., University of Oklahoma, 1971
Christopher F. Givan, B.A., Yale University, 1966; M.A., Stanford University, 1968; Ph.D., Stanford University, 1970
Jan C. Hardt, B.A., Union College-New York, 1986; M.A., University of California-Davis, 1988; Ph.D., University of Maryland-College Park, 1993
Kevin J. Hayes, B.A., University of Toledo, 1981; M.Ed., University of Toledo, 1983; M.A., University of Delaware, 1989; Ph.D., University of Delaware, 1991
Seigfried E. Heit, B.S., University of Wisconsin, 1963; M.A., University of North Dakota, Eberhard-Karls University (Tuebingen,FRG), 1969; Ph.D., Florida State University, 1975
William H. Hickman, B.A., Oklahoma Baptist University, 1971; M.A., Texas Christian University, 1976; J.D., Oklahoma City University, 1985
*Russell M. Higbie, B.S., University of Central Oklahoma, 1965; M.A., Oklahoma City University, 1980
Kurt Hochenuer, B.A., University of Missouri, 1981; M.A., University of Central Oklahoma, 1985; Ph.D., Oklahoma State University, 1991
*Deborah Israel, B.A., S.U.N.Y. at Stony Brook, 1970; M.A., University of Central Oklahoma, 1975; Ph.D., Oklahoma State University, 2000
William A. Johnson, B.A., Northeastern Oklahoma State University, 1967; M.S., Pittsburg State University, 1968; Ph.D., Oklahoma State University, 1971
### College of Liberal Arts

<table>
<thead>
<tr>
<th>Name</th>
<th>University and Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Randall J. Jones</td>
<td>B.A., Oklahoma State University, 1962; M.A., Oklahoma State University, 1966; Ph.D., University of Texas at Austin, 1974</td>
</tr>
<tr>
<td>Robert C. Jones</td>
<td>B.S., Oklahoma City University, 1960; M.S., Oklahoma State University, 1962; Ph.D., University of Oklahoma, 1966</td>
</tr>
<tr>
<td>Byung I. Jung</td>
<td>BLAW, Won Kwang University, Korea, 1971; MRCP, University of Oklahoma, 1977; Ph.D., University of Oklahoma, 1984</td>
</tr>
<tr>
<td>J. Kole Kleeman</td>
<td>B.S., Southern Illinois University at Carbondale, 1980; M.S., Southern Illinois University at Carbondale, 1983; Ph.D., Ohio University at Athens, 1995</td>
</tr>
<tr>
<td>Bettie Jo Knight</td>
<td>B.S., Oklahoma State University, 1974; M.A., Oklahoma State University, 1979; Ph.D., Oklahoma State University, 1983</td>
</tr>
<tr>
<td>Diane Neal Kremm</td>
<td>B.A., Winthrop College, 1969; M.A., Clemson University, 1971; Ph.D., Kent State University, 1976</td>
</tr>
<tr>
<td>Brendan J. Lalor</td>
<td>B.A., College of Saint Rose, Albany, 1992; M.A., University at Albany, SUNY, 1996; Ph.D., University at Albany, SUNY, 1998</td>
</tr>
<tr>
<td>Stephen C. Law</td>
<td>B.A., Florida State University, 1978; M.A., Florida State University, 1980; Ph.D., Florida State University, 1986</td>
</tr>
<tr>
<td>Paul R. Lehman</td>
<td>B.A., University of Central Oklahoma, 1969; M.Ed., University of Central Oklahoma, 1971; Ph.D., Lehigh University, 1976</td>
</tr>
<tr>
<td>Gladys S. Lewis</td>
<td>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</td>
</tr>
<tr>
<td>Anne G. Lynch</td>
<td>B.A., University of Oklahoma, 1961; M.A., University of Oklahoma</td>
</tr>
<tr>
<td>David Macey</td>
<td>B.A., Yale University, 1988; M.A., Brown University, 1994; Ph.D., Vanderbilt University, 1998</td>
</tr>
<tr>
<td>Sherri Massey</td>
<td>B.A., University of Arkansas, 1956, M.A., University of Oklahoma, 1989; Ed.D., Oklahoma State University, 1993</td>
</tr>
<tr>
<td>Terry L. May</td>
<td>B.S.Ed., Central Michigan University, 1967; M.A., Central Michigan University, 1968</td>
</tr>
<tr>
<td>Sandra Mayfield</td>
<td>B.A., Oklahoma Baptist University, 1964; M.A., University of Oklahoma, 1970; Ph.D., University of Oklahoma, 1980</td>
</tr>
<tr>
<td>Mark R. McCoy</td>
<td>B.S., Western Michigan University, 1980; M.S., National University, 1984; Ed.D., Oklahoma State University, 2000</td>
</tr>
<tr>
<td>Linda L. McDonald</td>
<td>B.A., Oklahoma City University, 1965; M.A., University of Kansas, 1967; M.A., University of Central Oklahoma, 1991</td>
</tr>
</tbody>
</table>

### Graduate Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>University and Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>James W. Mock</td>
<td>B.A., LeMoyne College, 1968; M.A., Syracuse University, 1977; M.L.S., Syracuse University, 1979; M.Ph., Syracuse University, 1984; Ph.D., Syracuse University, 1988</td>
</tr>
<tr>
<td>Husam A. Mohamad</td>
<td>B.A., BirZeit University, 1985; M.A., University of Cincinnati, 1989; Ph.D., University of Cincinnati, 1994</td>
</tr>
<tr>
<td>Timothy Morales</td>
<td>B.A., University of Central Oklahoma, 1993; M.A., University of Central Oklahoma, 1995; Ph.D., Purdue University, 2001</td>
</tr>
<tr>
<td>Carol Jean Nelson</td>
<td>B.A., Central State University, 1971; MSW, University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1993</td>
</tr>
<tr>
<td>Hans Rudolf Nollert</td>
<td>B.A., University of Virginia, 1980; Johann Wolfgang Goethe University; M.A., The Johns Hopkins University, 1985; Ph.D., The Johns Hopkins University, 1991</td>
</tr>
<tr>
<td>Gwendolyn M. Olivier</td>
<td>B.A., University of New Orleans, 1970; M.A., University of New Orleans, 1976; Ph.D., Louisiana State University, 1987</td>
</tr>
<tr>
<td>William P. Olson</td>
<td>B.A., Arizona State University, 1965; M.A., Arizona State University, 1966; Ph.C., University of Washington, 1971</td>
</tr>
<tr>
<td>John D. Osburn</td>
<td>B.S., Southern Methodist University, 1953; M.A., Southern Methodist University, 1954; Ph.D., University of Oklahoma, 1969</td>
</tr>
<tr>
<td>Gilda Pace</td>
<td>B.A., University of Central Oklahoma, 1979; M.Ed., University of Central Oklahoma, 1980</td>
</tr>
<tr>
<td>Richard Peters</td>
<td>B.A., University of Wichita, 1955; M.A., University of Oklahoma, 1961; Ph.D., University of Oklahoma, 1971</td>
</tr>
<tr>
<td>Royce Peterson</td>
<td>M.Ed., McMurray College, 1960</td>
</tr>
<tr>
<td>Carolyn G. Pool</td>
<td>B.S., University of Oklahoma, 1963; M.A., University of Oklahoma, 1976; Ph.D., University of Oklahoma, 1987</td>
</tr>
<tr>
<td>Steven Pratt</td>
<td>B.A., the University of New Mexico, 1973; M.A., University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1987</td>
</tr>
<tr>
<td>Edward J. Pugh</td>
<td>B.A., University of Central Oklahoma, 1972; M.A., University of Oklahoma, 1977; Ph.D., University of Oklahoma, 1996</td>
</tr>
<tr>
<td>Allen C. Rice</td>
<td>B.A., University of Oklahoma, 1980; M.A., University of Oklahoma 1983; Ph.D., University of Indiana, 1993</td>
</tr>
<tr>
<td>Jere W. Roberson</td>
<td>B.S., Tennessee Technological University, 1962; M.A., Auburn University, 1963; Ph.D., University of Georgia, 1966</td>
</tr>
<tr>
<td>College of Liberal Arts</td>
<td>Graduate Faculty</td>
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</tr>
<tr>
<td><strong>Brett S. Sharp</strong>, B.S., Oklahoma State University, 1988; M.P.A., University of Oklahoma, 1991; Ph.D., University of Oklahoma, 1998</td>
<td><strong>Keith Swezey</strong>, B.A., University of Central Oklahoma, 1974; M.S., Oklahoma State University, 1989; Ed.D., Oklahoma State University, 1997</td>
</tr>
<tr>
<td><strong>Younghae Shin</strong>, B.A., University of Washington, 1983; M.A., University of Washington, 1986; Ph.D., University of Washington, 1992</td>
<td><strong>Ronald Thrasher</strong>, B.A., Oklahoma State University, 1989; M.S., Oklahoma State University, 1992; Ph.D., Oklahoma State University, 1999</td>
</tr>
<tr>
<td><strong>Stacy Southerland</strong>, B.A., Steophen F. Austin State University, 1987; M.A., Indiana University, 1990; Ph.D., Indiana University, Bloomington, 1994</td>
<td><strong>Theresa Vaughan</strong>, B.A., University of Michigan, 1990; M.A., Indiana University, 1995; Ph.D., Indiana University, 1999</td>
</tr>
<tr>
<td><strong>Mary D. Spelman</strong>, B.A., University of Central Oklahoma, 1971; M.Ed., University of Central Oklahoma, 1976; Ph.D., Oklahoma State University, 1996</td>
<td><strong>Glen Vaughn-Roberson</strong>, B.A., Northwestern Oklahoma State University, 1968; M.A., Oklahoma State University, 1972; Ph.D., Oklahoma State University, 1977</td>
</tr>
<tr>
<td><strong>Susan Spencer</strong>, 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</td>
<td><strong>Acharyulu Srinivas Vedala</strong>, M.A., Andhra University, 1982; Ph.D., Andhra University, 2001</td>
</tr>
<tr>
<td><strong>John P. Springer</strong>, B.A., University of Oklahoma, 1979; M.A., University of Oklahoma, 1986; Ph.D., University of Iowa, 1994</td>
<td><strong>Clifton L. Warren</strong>, B.A., University of Richmond, 1952; M.A., University of Richmond, 1954; Ph.D., Indiana University, 1962</td>
</tr>
<tr>
<td><strong>Linda L. Steele</strong>, B.A., University of Central Oklahoma, 1988; M.A., University of Central Oklahoma, 1990; Ph.D., University of Southwestern Louisiana, 1996</td>
<td><strong>Pamela Washington</strong>, B.A., Oklahoma State University, 1982; M.A., Oklahoma State University, 1985; Ph.D., University of Southwestern Louisiana, 1993</td>
</tr>
<tr>
<td><strong>Gary Steward, Jr.</strong>, B.A., University of Central Oklahoma, 1991; M.A., University of Central Oklahoma, 1992; Ph.D., Oklahoma State University, 1999</td>
<td><strong>Kathryn Williams</strong>, B.A., University of Oklahoma, 1975; M.C.J.A., Oklahoma City University, 1980</td>
</tr>
<tr>
<td></td>
<td><strong>Michael Wooldridge</strong>, B.A., University of Central Oklahoma, 1993; M.A., University of Central Oklahoma, 1994</td>
</tr>
</tbody>
</table>

*Associate Member*
College of Mathematics and Science
Program: Applied Mathematical 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
- Computing 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 Mathematics must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&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 this plan of study must be filed with the advisor and the CGS&R before completion of the first semester.

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

H. 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–Computing 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 CGS&R 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 Computing 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.
Program: Applied Mathematical Science

Degree: Master of Science (M.S.)

College: Mathematics and Science

III. Applied Mathematical Sciences Curriculum 36 hrs

A. Core Requirements
- MATH 5113 Operations Research I
- MATH 5363 Advanced Calculus for Applications I
- STAT 5123 Mathematical Statistics II

B. Option Requirements
- Electives 15 hrs
- 1. Mathematics Option
  - MATH 5393 Advanced Calculus for Applications II
  - MATH 5453 Mathematical Modeling
  - MATH 5183 Numerical Analysis II
  - Electives must include 9 hours of Mathematics and 6 hours of Statistics.
- 2. Computing Science Option
  - CMSC 5023 Programming Languages
  - CMSC 5063 Networks
  - * CMSC File Structures
  - Electives must include 6 hours of Computing Science and 9 hours of Mathematics and/or Statistics.
- 3. Statistics Option
  - STAT 5103 Statistical Methods II
  - STAT 5523 Time Series Analysis
  - STAT 5233 Applied Regression Analysis
  - 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
- MATH 5983 or 5993 Project or Thesis

- 3 hrs

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 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 covering eight courses, 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 CGS&R, Room 404 UC. See page 20.
   
   **Note: No student will be admitted to this program or to the CGS&R who does not meet the program admission standards.**
   
   B. A 2.5 or higher GPA in all undergraduate hours attempted and a 3.0 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.
   
   H. Meet with the Graduate Advisor, who will complete a “Recommendation for Admission to the College of Graduate Studies and Research” form for qualified students. Upon receipt of the completed recommendation form, the CGS&R will admit the student for graduate studies.

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 CGS&R no later than the end of the first academic year of enrollment.

III. Graduate Course Work 26-30 hrs

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 CGS&R 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 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.

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 CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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 these three GRE sub-scales:
   1. either verbal and quantitative,
   2. verbal and analytical, or
   3. quantitative and analytical.

These must be submitted before acceptance to the program.

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

E. 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 CGS&R before completion of the first semester.

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

G. 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>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 5313</td>
<td>Ethics and Testimony</td>
</tr>
<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>
</tr>
<tr>
<td>FRSC 5202</td>
<td>Biological Aspects of Forensic Science</td>
</tr>
</tbody>
</table>

B. Option Requirements

1. Criminalistics Required Courses 18-20 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRSC 5112</td>
<td>Physical Aspects of Forensic Science Laboratory</td>
</tr>
<tr>
<td>FRSC 5212</td>
<td>Biological Aspects of Forensic Science Laboratory</td>
</tr>
<tr>
<td>FRSC 5323</td>
<td>Forensic Toxicology and Laboratory</td>
</tr>
<tr>
<td>FRSC 5313</td>
<td>Death Investigation</td>
</tr>
<tr>
<td>FRSC 5333</td>
<td>Advanced Forensic Serology &amp; Lab.</td>
</tr>
<tr>
<td>BIO 5743</td>
<td>Molecular and Population Genetics</td>
</tr>
<tr>
<td>FRSC 5992-4</td>
<td>Thesis OR</td>
</tr>
<tr>
<td>FRSC 5902-4</td>
<td>Practicum in Forensic Science</td>
</tr>
</tbody>
</table>

Elective Courses minimum of 34 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 5443</td>
<td>and 5443L Microtechniques</td>
</tr>
<tr>
<td>BIO 5723</td>
<td>Biometrics</td>
</tr>
<tr>
<td>CHEM 5253 &amp; 5253L</td>
<td>Forensic Science Analysis and Laboratory</td>
</tr>
</tbody>
</table>

2. Technical Investigations Required courses 14-16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 5323</td>
<td>Victimology</td>
</tr>
<tr>
<td>FRSC 5313</td>
<td>Death Investigation</td>
</tr>
<tr>
<td>FRSC 5413</td>
<td>Bloodstain Pattern Analysis I</td>
</tr>
<tr>
<td>JOUR 5413</td>
<td>Techniques of Forensic Science Photography</td>
</tr>
<tr>
<td>FRSC 5992-4</td>
<td>Thesis OR</td>
</tr>
<tr>
<td>FRSC 5902-4</td>
<td>Practicum in Forensic Science</td>
</tr>
</tbody>
</table>

Elective Courses minimum of 34 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRSC 5443</td>
<td>Forensic Arson Investigation</td>
</tr>
<tr>
<td>FRSC 5423</td>
<td>Bloodstain Pattern Analysis II</td>
</tr>
</tbody>
</table>
Program: Forensic Science

Degree: Master of Science (M.S.)

College: Mathematics and Science

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.

   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.

Dr. Robert Bost, Program Dir., 974-5519 rbost@ucok.edu;
Dr. David von Minden, 974-5467, dvonmindn@ucok.edu;
Dr. Pat LaGrow, 974-5176, plagrow@ucok.edu;
Dr. Sid Brown, 974-5271, sibrown@ucok.edu.
Program: Industrial & Applied Physics

Degree: Master of Science (M.S.)

The Department of Physics & Engineering offers graduate study leading to the Master of Science in Industrial and Applied Physics (MSIAP). 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 MSIAP 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 MSIAP 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 MSIAP program encourages students to select elective courses from disciplines other than 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 physics course offerings for the MSIAP 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 and writing a report. The MS thesis or report must be defended in a final oral presentation.

I. Admission Requirements for the M.S. in Industrial and Applied Physics Program

Students seeking an M.S. in Industrial and Applied Physics must fulfill the following requirements before they will be formally admitted to the program:

A. Apply for admission to the CGS&R, Room 404, UC. See page 20.

Note: No student will be admitted to this program or to the CGS&R 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. Meet with the assigned advisor and work out a formal plan of study. A copy of this plan of study, signed by the student and the advisor, should be filed with the advisor and the CGS&R no later than the end of the first semester of enrollment.

D. 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 Calculus. Students with deficiencies will be advised to complete 3000 and 4000-level courses in physics as preparation for the 5000-level courses.

E. Earn eight hours of graduate credit at the University of Central Oklahoma with a minimum 3.00 GPA, with no grade below a 'C'.

F. 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. Industrial & Applied Physics Curriculum 32 hrs

Requirements for the MS Degree in Industrial and Applied Physics include the completion of 32 credit hours of graduate-level courses beyond the B.S. and the submission of an acceptable thesis or report based on independent research activities.

A. Core Courses

The following core courses must be completed:

- PHY 5013 Mathematical Physics II
- PHY 5443 Quantum Mechanics

To complete the core requirements, five of the following courses must also be completed:

- PHY 5103 Classical Mechanics
- PHY 5143 Kinetic Theory & Statistical Mechanics
- PHY 5163 Applied Optics
- PHY 5203 Applied Electrodynamics
- PHY 5323 Acoustics
- PHY 5553 Applied Problems-Semiconductor Physics
- PHY 5553 Applied Problems-Computational Physics
- PHY 5553 Applied Problems-Quantum Electronics
- PHY 5553 Applied Problems -Spectroscopy
- PHY 5553 Applied Problems -Fiber Optics
- PHY 5553 Applied Problems -Optical Information Processing

B. Electives to total 32 hours 11 hrs

In addition to the core courses, 11 semester credit hours of graduate-level electives must be completed in physics, mathematics, computer science, chemistry, business, management, or related fields as approved by the student's advisory committee. For students electing the thesis option, up to six semester hours of these electives may be thesis research credits. For students not electing the thesis option, two semester hours of these electives must be PHY 5922 Directed Reading in Physics: Research Experience.

III. Thesis Option

The focus of the MSIAP 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. As of the Fall, 2001 semester, 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 College of Graduate Studies and Research will be present at the defense.
### Course Descriptions

<table>
<thead>
<tr>
<th>COLLEGE of MATHEMATICS AND SCIENCE</th>
<th>College: MATHEMATICS AND SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY (BIO)</td>
<td>--</td>
</tr>
<tr>
<td>Department of Biology</td>
<td>--</td>
</tr>
<tr>
<td>BIO 5000 WORKSHOP IN BIOLOGY</td>
<td>BIO 5264 MAMMALOGY</td>
</tr>
<tr>
<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 on a master’s degree.</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 5012 INTRODUCTION TO BIOLOGICAL RESEARCH</td>
<td>BIO 5264L MAMMALOGY LAB</td>
</tr>
<tr>
<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>
<td>Lab for BIO 5264.</td>
</tr>
<tr>
<td>BIO 5024 FRESHWATER BIOLOGY</td>
<td>BIO 5294 PLANT TAXONOMY</td>
</tr>
<tr>
<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>
<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 5024L FRESHWATER BIOLOGY LAB</td>
<td>BIO 5294L PLANT TAXONOMY LAB</td>
</tr>
<tr>
<td>Lab for BIO 5024 Freshwater Biology.</td>
<td>Lab for BIO 5294.</td>
</tr>
<tr>
<td>BIO 5103 HISTORY OF BIOLOGY</td>
<td>BIO 5324 MARINE BIOLOGY</td>
</tr>
<tr>
<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>
<td>A survey of marine life, with emphasis on community relationship, 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. <strong>Prereq:</strong> 12 hours Biology, including BIO 2263.</td>
</tr>
<tr>
<td>BIO 5113 BIOGEOGRAPHY</td>
<td>BIO 5324L MARINE BIOLOGY LAB</td>
</tr>
<tr>
<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>
<td>Lab for BIO 5324.</td>
</tr>
<tr>
<td>BIO 5124 HERPETOLOGY</td>
<td>BIO 5334 ENVIRONMENTAL BIOLOGY</td>
</tr>
<tr>
<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>
<td>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. <strong>Prereq:</strong> 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).</td>
</tr>
<tr>
<td>BIO 5124L HERPETOLOGY LAB</td>
<td>BIO 5354 PLANT ANATOMY</td>
</tr>
<tr>
<td>Lab for BIO 5124 Herpetology. <strong>Prereq:</strong> 12 hours of Biology and BIO 1404.</td>
<td>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. <strong>Prereq:</strong> BIO 1304, BIO 2203, and BIO 2314.</td>
</tr>
<tr>
<td>BIO 5204 PLANT ECOLOGY</td>
<td>BIO 5354L PLANT ANATOMY LAB</td>
</tr>
<tr>
<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>
<td>Lab for BIO 5354.</td>
</tr>
<tr>
<td>BIO 5204L PLANT ECOLOGY LAB</td>
<td>BIO 5443 MICROTECHNIQUE</td>
</tr>
<tr>
<td>Lab for BIO 5204 Plant Ecology.</td>
<td>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. <strong>Prereq:</strong> Minimum 12 hours of biological science. BIO 5443L must be taken concurrently.</td>
</tr>
<tr>
<td>BIO 5254 ANIMAL BEHAVIOR</td>
<td>BIO 5443L MICROTECHNIQUE LAB</td>
</tr>
<tr>
<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>
<td>Lab for BIO 5443.</td>
</tr>
<tr>
<td>BIO 5254L ANIMAL BEHAVIOR LAB</td>
<td>--</td>
</tr>
<tr>
<td>Lab for BIO 5254.</td>
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</tr>
</tbody>
</table>

**Prereq:** 12 hours of Biology Science & BIO 1404, BIO 2203, and BIO 2314.

Minimum 12 hours of biological science. BIO 5354L must be taken concurrently. **Prereq:** Minimum 12 hours of biological science. BIO 5443L must be taken concurrently.
Course Descriptions

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 hours 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, reproduction 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
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  INTERNSHIP IN BIOLOGY
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

BIO 5960  INSTITUTE IN BIOLOGY
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

BIO 5970  STUDY TOUR
Credit will vary 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 4 hours. Subject matter will vary within a temporary basis. Subject matter will vary within the department's field of study.

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 on a master's degree.

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...
**Course Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 5253L</td>
<td>FORENSIC SCIENCE ANALYSIS LAB</td>
<td>Laboratory to accompany CHEM 5253. Concurrent enrollment in CHEM 5253 is required.</td>
</tr>
<tr>
<td>CHEM 5454</td>
<td>ADVANCED INSTRUMENTAL ANALYSIS</td>
<td>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. <strong>Prereq:</strong> CHEM 3454; CHEM 3602 or concurrent enrollment.</td>
</tr>
<tr>
<td>CHEM 5454L</td>
<td>ADVANCED INSTRUMENTAL ANALYSIS LABORATORY</td>
<td>The laboratory course to accompany CHEM 5454. Concurrent enrollment in CHEM 5454 is required.</td>
</tr>
<tr>
<td>CHEM 5603</td>
<td>ADVANCED ORGANIC CHEMISTRY</td>
<td>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. <strong>Prereq:</strong> CHEM 3323 and CHEM 3503 or concurrent enrollment.</td>
</tr>
<tr>
<td>CHEM 5900</td>
<td>PRACTICUM IN CHEMISTRY</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>CHEM 5910</td>
<td>SEMINAR IN CHEMISTRY</td>
<td>Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. <strong>Prereq:</strong> CHEM 3323.</td>
</tr>
<tr>
<td>CHEM 5920</td>
<td>DIRECTED READING IN CHEMISTRY</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>CHEM 5930</td>
<td>INDIVIDUAL STUDY IN CHEMISTRY</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>CHEM 5940</td>
<td>SPECIAL TOPICS IN CHEMISTRY</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>CHEM 5950</td>
<td>INTERNSHIP IN CHEMISTRY</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>CHEM 5960</td>
<td>INSTITUTE IN CHEMISTRY</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>CHEM 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>CHEM 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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</tbody>
</table>

**COMPUTER SCIENCE (CMSC)**

- **CMSC 5000 WORKSHOP IN COMPUTING 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 on a master's degree.
- **CMSC 5013 DATA STRUCTURES**
  - A survey of methods concerning the published techniques for efficient algorithm design, the specification of data structures and their realization in any given programming language, plus algorithm analysis and resource utilization. Includes strings, linked lists, stacks, deques, matricies, graphs, trees, and files. **Prereq:** CMSC 2613 and admission to the graduate program.
- **CMSC 5023 PROGRAMMING LANGUAGES**
  - A study of the underlying concepts of programming languages. Languages designed for various applications are surveyed. The grammars, syntax, and semantics of languages are investigated. **Prereq:** CMSC 3613 or 5013; MATH 2165; admission to the graduate program.
- **CMSC 5033 CONCEPTS OF ARTIFICIAL INTELL**
  - 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 APPL OF DATABASE MNGMT 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 multiprocesses. **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.
Course Descriptions

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 COMPUTING SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CMSC 5910 SEMINAR IN COMPUTING 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 COMPUTING 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 5930 INDIVIDUAL STUDY IN COMPUTING SCIENCE
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CMSC 5940 SPECIAL TOPICS IN COMPUTING 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. **Prereq:** Permission of instructor.

CMSC 5950 INTERNSHIP IN COMPUTING 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 5960 INSTITUTE IN COMPUTING SCIENCE
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

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 GRAD PROJECT IN COMPUTING 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.

ENGINEERING (ENGR)
Department of Physics & Engineering

ENGR 5553 APPLIED PROBLEMS
A course designed to acquaint the graduate student with methods and approaches for assessing and solving the pragmatic problems in industry and technology. **Prereq:** Permission of instructor required.

College:

FUNERAL SERVICE (FNRL)
Department of Funeral Service

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 on a master's degree.

FNRL 5483 PSYCHOLOGY OF GRIEF
A survey of bereavement behavior in American society including historical and cross-cultural perspectives. The evaluation of human grief and implications for coping strategies are included. **Prereq:** 6 hours of Behavioral Science.

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.

FORENSIC SCIENCE (FRSC)
Department of Chemistry

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 on 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 & 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 5212 BIOLOGICAL ASPECTS OF FORENSIC SCIENCE LABORATORY
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 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 5323 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 5333 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 attach. Topics include the physical laws of fluids and the application 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 5590 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: written 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.
Course Descriptions

**GENERAL SCIENCE (GENS)**

*Department of Physics & Engineering*

**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 on 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**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GENS 5930 INDIVIDUAL STUDY IN GENERAL SCIENCE**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**GENS 5960 INSTITUTE IN GENERAL SCIENCE**
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**GENS 5970 STUDY TOUR**
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

**GENS 5990 THESIS**
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

**MATHEMATICS (MATH)**

*Department of Mathematics And Statistics*

**MATH 5000 WORKSHOP IN MATHEMATICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of “P” or “F” is given. No more than 2 hours of workshop may be counted on a master's degree.

**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 3103, 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. **Prereq:** MATH 3103.

**MATH 5143 ADVANCED CALCULUS FOR APPLICATIONS I**
This is the first course in a two-course sequence of differential and integral calculus. Its topics include sequences and limits of sequences, limits of single variable functions, continuity of single variable functions, and differentiation and integration of single variable functions. Students enrolled will be required to apply the ideas learned to individual investigations. **Prereq:** MATH 3103.

**MATH 5153 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 4143 or MATH 5143.

**MATH 5164 CALCULUS FOR SECONDARY TEACHERS**
A continuation of 5134. **Prereq:** MATH 5134.

**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 2203.

**MATH 5292 MATHEMATICS FOR THE SEC TEACHER**
Prereq: MATH 2203.

**MATH 5323 NON-LINEAR PROGRAMMING**
The N.L.P. problem, Kuhn-Tucker conditions. Quadratic, separable, and integer programming. The method of Grifith and Stewart. **Prereq:** MATH 4323.

**MATH 5403 INTRODUCTION TO ACTUARIAL SCIENCE**
Single-life mortality functions, annuities, life insurance, premiums, and reserve multiple-life functions. **Prereq:** STAT 3193 or 4353.

**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 2203.

**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 2145 or 2165 or 6 hours of mathematics.

**MATH 5533 APPLIED GROUP THEORY**
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.

**MATH 5563 INTRODUCTION TO GRAPH THEORY**
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 mod-
Course Descriptions

MATH 5843 METHODS OF TEACHING MATH & COMPUTER SCIENCE
General aspects of the teaching of mathematics and computer science at the secondary and junior college levels. Prereq: CMSC 2102 and MATH 4843.

MATH 5900 PRACTICUM IN MATHEMATICS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MATH 5910 SEMINAR IN MATHEMATICS
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.

MATH 5920 DIRECTED READING IN MATHEMATICS
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prereq: Permission of instructor.

MATH 5930 INDIVIDUAL STUDY IN MATHEMATICS
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.

MATH 5940 SPECIAL TOPICS IN MATHEMATICS
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.

MATH 5950 INTERNSHIP IN MATHEMATICS
Credit would vary from 1 to 8 hours. Subject matter would vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

MATH 5960 INSTITUTE IN MATHEMATICS
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MATH 5970 STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

MATH 5980 GRADUATE PROJECT IN MATHEMATICS
A contemporary problem provided by business and industry and selected with consideration of the interests and abilities of the individual student. Prereq: written permission of instructor.

MATH 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Prereq: Instructor Permission

NURSING (NURS)
Department of Nursing

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 on 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 accepted for graduate study.

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 5950 INTERNSHIP IN NURSING
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 5960 INSTITUTE IN NURSING
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

NURS 5970 STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

NURS 5980 GRADUATE PROJECT IN NURSING
Credit will vary from 1 to 8 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.

PHYSICS (PHY)
Department of Physics & Engineering

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 on a master's degree.
Course Descriptions

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 3094.

PHY 5023 THERMOPHYSICS
Thermophysics is a formulation of the laws of thermodynamics at the beginning graduate level. The course will provide students with a background in the principles of conservation of energy, the direction of spontaneous processes based on entropy considerations, and the conception of the approach to constant entropy as a system approaches the absolute zero of temperature. Prereq: PHY 2114 and MATH 2203.

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: PHY 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 or concurrent enrollment.

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 or equivalent.

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: PHY 4123 and PHY 3884.

PHY 5163 APPLIED OPTICS
The study of uniaxial and biaxial crystals, gaussian beam propagation, optical resonators, laser systems, q-switching and mode locking, line broadening and electro-optic modulations. Prereq: PHY 3263 and PHY 4003.

PHY 5203 APPLIED ELECTODYNAMICS
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 5233 ACOUSTICS
A study of vibrations and wave motion as related to the production of sound and music. Prereq: PHY 4003.

PHY 5352 INTRODUCTION TO RESEARCH IN PHYSICS
A participatory examination of the skills and techniques used in research including formulating hypotheses, searching literature, evolving measuring techniques, reporting observations, developing conclusions, and writing reports.

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 5643 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 8 hours. Subject matter will vary within the department’s field of study.

PHY 5970 STUDY TOUR
Credit will vary from 1 to 2 hours. Subject matter will vary within the department’s field of study.

PHY 5990 THESIS
Credit will vary from 1 to 6 hours. Subject matter will vary within the department’s field of study.

STATISTICS (STAT)
Department of Mathematics And Statistics

STAT 5000 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 on a master’s degree.

STAT 5103 STATISTICAL METHODS II
This course will introduce and investigate experiments and experimental error, analysis of the variance of disproportionate data, covariance, split plot techniques, factorial arrangement of treatments, multiple regression in the estimation and analysis of variance, curvilinear regression, and enumeration data. Prereq: STAT 3103.
Course Descriptions

**STAT 5123 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. **Prereq:** STAT 4113.

**STAT 5233 APPLIED REGRESSION ANALYSIS**
Linear regression, two-phase linear regression, polynomial regression. Analysis of variance and covariance. **Prereq:** MATH 3143 and STAT 4123 or 5123.

**STAT 5253 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. **Prereq:** STAT 3193 and 4303.

**STAT 5303 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. **Prereq:** STAT 3103 or 3193.

**STAT 5353 PROBABILITY THEORY**
Generating functions, Markov chains, classical probability theory, discrete sample spaces, combinatorial analysis, distributions, and random walks. **Prereq:** MATH 2185.

**STAT 5423 DATA FITTING**
Data fitting to a linear equation, a polynomial, an orthogonal polynomial, an exponential growth curve. Piecewise polygonal fitting. **Prereq:** CMSC 2102 and STAT 3153.

**STAT 5523 TIME SERIES ANALYSIS**
Trend, moving average, seasonal variation. Adjustment of a time series for seasonal variation. The cyclical fluctuation forecasting. **Prereq:** CMSC 2102 and STAT 3223.

**STAT 5900 PRACTICUM IN STATISTICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 5910 SEMINAR IN STATISTICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 5920 DIRECTED READING IN STATISTICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 5930 INDIVIDUAL STUDY IN STATISTICS**
Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

**STAT 5940 SPECIAL TOPICS IN STATISTICS**
Credit will vary from 1 to 8 hours. Introduces a new topic or course on a temporary basis. Subject matter will vary within the department's field of study.

**STAT 5950 INTERNSHIP IN STATISTICS**
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced or graduate student.

**STAT 5960 INSTITUTE IN STATISTICS**
Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

**STAT 5970 STUDY TOUR**
Credit will vary from 1 to 2 hours. Subject matter will vary within the department's field of study.

**STAT 5980 GRAD PROJECT IN STATISTICS**
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.

**STAT 5990 THESIS**
Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.
## College of Mathematics and Science

### Graduate Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution and Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles Cooper</td>
<td>University of Oklahoma, 1976; University of Oklahoma, 1982; Ph.D., University of Oklahoma, 1990</td>
</tr>
<tr>
<td>Dana S. Craig</td>
<td>B.S., Southwestern Oklahoma State University, 1975; M.A., University of Alabama-Birmingham, 1989; Ed.D., Oklahoma State University, 1999</td>
</tr>
<tr>
<td>Kenneth L. Curl</td>
<td>B.S., University of Central Oklahoma, 1969; M.S., Oklahoma State University, 1978; Ph.D., Oklahoma State University, 1984</td>
</tr>
<tr>
<td>James Dechter</td>
<td>B.S., Carnegie-Mellon University, 1970; Ph.D., University of California, 1975</td>
</tr>
<tr>
<td>David L. Elmendorf</td>
<td>B.S., Andrews University, 1973; M.S., Walla Walla College, 1979; Ph.D., Memphis State University, 1990</td>
</tr>
<tr>
<td>Daniel J. Endres</td>
<td>B.S., University of New Mexico, 1983; M.S., University of New Mexico, 1986; Ph.D., University of New Mexico, 1992</td>
</tr>
<tr>
<td>John M. Ferguson</td>
<td>B.S., University of Kansas, 1987; Ph.D., Iowa State University, 1993</td>
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<tr>
<td><em>Nelda Ferguson</em></td>
<td>B.S., Oklahoma Baptist University, 1965; M.S., University of Oklahoma, 1974</td>
</tr>
<tr>
<td>Cheryl Baldwin Frech</td>
<td>B.S., Oklahoma State University, 1981; M.S., University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1987</td>
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<tr>
<td><em>Michael D. Gourley</em></td>
<td>B.B.A., University of Oklahoma, 1974; M.S., University of Oklahoma, 1975</td>
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<tr>
<td>Joseph A. Grzybowski</td>
<td>B.S., St. Bonaventure University, 1970; M.S., St. Bonaventure University, 1974; Ph.D., University of Oklahoma, 1980</td>
</tr>
<tr>
<td>Peggy J. Guthrie</td>
<td>B.S., East Central Oklahoma State University, 1958; M.S., University of Oklahoma, 1968; Ph.D., University of Oklahoma Health Sciences Center, 1982</td>
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<tr>
<td>Olivia Hanson</td>
<td>B.S., University of Oklahoma, 1972; Ph.D., University of Oklahoma, 1982</td>
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<tr>
<td>Jenna J. Hellack</td>
<td>B.S., East Central Oklahoma State University, 1968; M.S., Oklahoma State University, 1969; Ph.D., University of Oklahoma, 1975</td>
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<tr>
<td>Dale M. Heiwege</td>
<td>B.A., Oklahoma State University, 1962; Ph.D., Oklahoma State University, 1966</td>
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<tr>
<td>John Hranitz</td>
<td>B.S., Bloomsburg University of Pennsylvania, 1987; M.S., Bloomsburg University of Pennsylvania, 1989; Ph.D., Mississippi State University, 1993</td>
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<tr>
<td>Charles A. Hughes</td>
<td>B.S., Michigan Technological University, 1981; M.S., University of Georgia, 1985; Ph.D., University of Georgia, 1988</td>
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<tr>
<td>Bahaeddin Jassemnejad</td>
<td>B.S., University of Central Oklahoma, 1981; M.S., University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 1987</td>
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<td>Michael W. Jezerzak</td>
<td>B.S., University of Central Oklahoma, 1983; Ph.D., Oklahoma State University, 1989</td>
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<tr>
<td>Fred Jordan</td>
<td>A.B., Bowdoin College, 1962; M.D., Tufts University School of Medicine, 1966</td>
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### Administrative Officers

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<tr>
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<tr>
<td>Dean, William Caire</td>
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<tr>
<td>Assistant Dean, Melinda Henderson</td>
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### Graduate Faculty

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<tr>
<th>Name</th>
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<tr>
<td>Riaz Ahmad</td>
<td>B.S., University of Panjab, Pakistan, 1962; M.S., West Pakistan Agricultural University, 1967; M.S., North Dakota State University, 1971; Ph.D., University of Oklahoma, 1976</td>
</tr>
<tr>
<td>Fakhrildeen N. Albanhadily</td>
<td>B.S., Basrah University, Iraq, 1976; M.S., Texas A&amp;M University, 1984; Ph.D., Oklahoma State University, 1988</td>
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<tr>
<td>Troy A. Baird</td>
<td>B.S., San Diego State University, 1978; M.S., San Diego State University, 1980; Ph.D., University of British Columbia, 1989</td>
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<tr>
<td>John F. Barthell</td>
<td>B.S., University of California at Berkeley, 1985; Ph.D., University of California at Berkeley, 1992</td>
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<tr>
<td>T. David Bass</td>
<td>B.S., Lamar University, 1978; M.S., Lamar University, 1980; Ph.D., Texas A&amp;M University, 1985</td>
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<tr>
<td><em>Tom Bevel</em></td>
<td>B.A., University of Central Oklahoma, 1977; M.A., University of Central Oklahoma, 1985</td>
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<td>James E. Bidlack</td>
<td>B.S., Purdue University, 1984; M.S., University of Arkansas, 1986; Ph.D., Iowa State University, 1990</td>
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<tr>
<td>David E. Boliver</td>
<td>B.A., Texas Tech University, 1962; M.A., Rutgers University, 1966; Ed.D., Rutgers University, 1971</td>
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<tr>
<td>Robert O. Bost</td>
<td>B.S., University of Texas at Austin, 1965; M.S., University of Texas at Austin, 1967; Ph.D., University of Houston, 1970</td>
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<tr>
<td>John Bowen</td>
<td>B.S., University of Central Oklahoma, 1974; Ph.D., Oklahoma State University, 1982</td>
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<tr>
<td>Jesse W. Byrne</td>
<td>B.A., University of Texas at Austin, 1991; M.S., University of North Texas, 1993; Ph.D., University of North Texas, 1998</td>
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<tr>
<td>Gloria M. Caddell</td>
<td>B.A., University of Alabama, 1974; M.A., University of Alabama, 1979; Ph.D., University of North Carolina at Chapel Hill, 1989</td>
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<tr>
<td>William Caire</td>
<td>B.S., Texas Tech University, 1969; M.S., University of North Texas, 1972; Ph.D., University of New Mexico, 1978</td>
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<tr>
<td>*Dennis Canfield</td>
<td>B.S., Lynchburg College, 1971; M.S., City University of New York, 1976; Ph.D., Northeastern University at Boston, 1980</td>
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<tr>
<td>Wei Chen</td>
<td>B.S., Shandong University, China, 1982; M.S., University of Oregon, Eugene, 1984; Ph.D., University of Oregon, Eugene, 1988</td>
</tr>
<tr>
<td>*Harold Cleveland</td>
<td>B.S., Northwestern University, 1962; M.S., University of Illinois, 1965; Ph.D., University of Oklahoma, 1974</td>
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### College of Mathematics and Science

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<tr>
<th>Name</th>
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<tr>
<td>David Katz</td>
<td>B.A., Central College, 1972; Ph.D., University of Utah, 1980</td>
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<tr>
<td>John P. King</td>
<td>B.S., University of Central Oklahoma, 1961; Ph.D., Oklahoma State University, 1966</td>
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<tr>
<td>Patricia LaGrow</td>
<td>B.S., University of Central Oklahoma, 1976; M.S., University of Oklahoma, 1979; Ph.D., Texas Woman's University, 1993</td>
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<tr>
<td>Evan C. Lemley</td>
<td>B.A., Hendrix College, 1989; M.S., University of Arkansas, 1991; Ph.D., Univ. of Arkansas, 1996</td>
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<tr>
<td>Sandra R. Leonard</td>
<td>B.S., University of Oklahoma, 1964; M.S., University of Oklahoma, 1967</td>
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<tr>
<td>Mary Beth Logue</td>
<td>B.S., Southern Illinois University, 1982; M.A., University of Missouri-Columbia, 1991; Ph.D., University of Missouri-Columbia, 1996</td>
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<tr>
<td>Mary M. Long</td>
<td>B.A., Southwestern Oklahoma State University, 1978; B.S., University of Central Oklahoma, 1984</td>
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<tr>
<td>Carol A. Lucas</td>
<td>B.S., Southwest Missouri State University, 1977; M.A., Southwest Missouri State University, 1979; Ph.D., University of Kansas at Lawrence, 1999</td>
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<tr>
<td>Larry A. Lucas</td>
<td>B.S., Southwest Missouri State University, 1975; M.A., Southwest Missouri State University, 1979; Ph.D., University of Missouri, 1987</td>
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<tr>
<td>Gregory W. Mango</td>
<td>B.S., University of Rochester, 1994; M.S., University of Rochester, 1998; Ph.D., University of Rochester, 2000</td>
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<tr>
<td>David L. Martin</td>
<td>B.S., Cameron University, 1973; Ph.D., Oklahoma State University, 1979</td>
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<tr>
<td>Michael S. McClendon</td>
<td>B.S., State University of New York-Brockport, 1993; M.S., Syracuse University, 1995; Ph.D., University of Louisiana, 2000</td>
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<tr>
<td>John W. McDaniel</td>
<td>B.S., East Central Oklahoma State University, 1972; M.S., Oklahoma State University, 1975; Ph.D., Kansas State University, 1985</td>
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<tr>
<td>Norman L. Mejstrik</td>
<td>B.S., University of Nebraska, 1969; M.S., University of Nebraska, 1970; Ph.D., University of Oklahoma, 1982</td>
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<tr>
<td>Ronald C. Miller</td>
<td>B.S., Trinity University, 1970; M.S., University of Missouri-Rolla, 1972; Ph.D., University of Missouri-Rolla, 1976</td>
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<tr>
<td>Luis Montes</td>
<td>B.A., New Mexico State University, 1990; B.S., New Mexico State University, 1990; Ph.D., University of Texas at Austin, 1996</td>
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<tr>
<td>Cynthia K. Murray</td>
<td>B.S., University of Central Oklahoma, 1974; B.S., University of Central Oklahoma, 1977; M.P.H., University of Oklahoma, 1984; Ph.D., University of Oklahoma, 1993</td>
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<tr>
<td>Randall Myster</td>
<td>B.S., Institute of Technology, 1997; M.S., Rutgers University, 1987; Ph.D., Rutgers University, 1990</td>
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<tr>
<td>Dallas G. New</td>
<td>B.S., Baker University, 1988; M.A., Washington University, 1990; Ph.D., Washington University, 1994</td>
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<tr>
<td>Pamela R. New</td>
<td>B.S., Baker University, 1988; Ph.D., Washington University, 1993</td>
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<tr>
<td>H. Allen Nottingham</td>
<td>B.S., University of Central Oklahoma, 1988; M.S., University of Oklahoma Health Sciences Center, 1991</td>
<td></td>
</tr>
<tr>
<td>Clark L. Ovrebo</td>
<td>B.S., Valley City State College, 1971; M.S., University of Idaho, 1973; Ph.D., University of Toronto, 1981</td>
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### Graduate Faculty

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<tr>
<th>Name</th>
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<tr>
<td>G. Kay Powers</td>
<td>B.S., Southeastern Oklahoma State University, 1963; M.S., Oklahoma State University, 1965; Ph.D., Oklahoma State University, 1970</td>
<td></td>
</tr>
<tr>
<td>William J. Radke</td>
<td>B.S., Mankato State University, 1970; M.A., Mankato State University, 1972; Ph.D., University of Arizona, 1975</td>
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<tr>
<td>Alma G. Rambo</td>
<td>B.S., University of Central Oklahoma, 1982; M.S., University of Oklahoma, 1986; Ph.D., University of Oklahoma, 1997</td>
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<tr>
<td>S. Narasinga Rao</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>Janet Rodgers</td>
<td>B.A., Oklahoma State University, 1966; M.D., University of Oklahoma, College of Medicine, 1975</td>
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</tr>
<tr>
<td>Martin Rooney</td>
<td>B.S., University of Texas at Austin, 1968; M.S., Brown University, 1971; Ph.D., University of Texas at Austin, 1977</td>
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<tr>
<td>Charlotte K. Simmons</td>
<td>B.A., East Texas State University, 1988; M.A., University of North Texas, 1990; Ph.D., University of Oklahoma, 1998</td>
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</tr>
<tr>
<td>Gary Sokoll</td>
<td>B.S., University of Central Oklahoma, 1980; M.Ed., South Dakota State University, 1981; J.D., University of South Dakota, 1987</td>
<td></td>
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<tr>
<td>David P. Stapleton</td>
<td>B.S., University of California at Santa Barbara, 1979; M.A., University of California at San Diego, 1981; Ph.D., University of Arizona, 1990</td>
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<tr>
<td>William Stockwell</td>
<td>B.S., University of Central Oklahoma, 1973; M.A., University of Oklahoma, 1975</td>
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<tr>
<td>Paul A. Stone</td>
<td>B.S., University of Florida, 1987; M.S., Auburn University, 1990; Ph.D., University of New Mexico, 1995</td>
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<tr>
<td>Hong Sung</td>
<td>B.S., Seoul National University, 1984; M.S., University of Louisiana, 1990; Ph.D., University of Arizona, 1994</td>
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<tr>
<td>Phyllis Thornton</td>
<td>B.A., San Diego State University, 1970; Ed.D., Oklahoma State University, 1988</td>
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<tr>
<td>Thomas R. Turner</td>
<td>B.S., University of Washington, 1975; M.S., Iowa State University, 1981; Ph.D., Iowa State University, 1987</td>
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<tr>
<td>David L. von Minden</td>
<td>B.S., Texas Tech University, 1966; Ph.D., University of Nebraska, 1970</td>
<td></td>
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<tr>
<td>Gregory M. Wilson</td>
<td>B.S., Central University of Iowa, 1991; M.S., Fort Hays State University, 1994; Ph.D., Oklahoma State University, 2001</td>
<td></td>
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<tr>
<td>Weldon J. Wilson</td>
<td>B.S., Oklahoma State University, 1973; Ph.D., Oklahoma State University, 1980</td>
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<tr>
<td>James H. Yates</td>
<td>B.S., University of Central Oklahoma, 1964; M.S., Oklahoma State University, 1966; Ph.D., Oklahoma State University, 1969</td>
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<tr>
<td>Donald A. Young</td>
<td>B.S., Oklahoma State University, 1980; M.S., Oklahoma State University, 1985</td>
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<tr>
<td>Donna Zanowick</td>
<td>B.S., University of Central Oklahoma, 1983; M.S., University of Central Oklahoma, 1987; Ph.D., Texas A&amp;M University, 1991</td>
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*Associate Members*
## Index

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