College of Arts and Sciences

Ellison Hall
Norman, OK 73019-3109

Inquiries should be directed to: Academic Services
124 Ellison Hall
Norman, OK 73019-3109

Internet: http://www.ou.edu/cas

Table of Contents

General Information ............................................. 65
Administrative Officers ........................................ 65
History and Purpose ........................................... 66
The College Today ............................................... 66
Degree Programs Offered ................................. 66
Types of Degrees Offered ................................ 66
College Facilities and Programs .......................... 66
Archaeological Survey ....................................... 66
Biological Station ............................................ 66
Biological Survey ............................................ 67
Career Services .............................................. 67
Carl Albert Congressional Research and Studies Center ....... 67
Computing Resources ..................................... 67
Film & Video Studies Video and DVD Library and Viewing Room .......... 67
Interdisciplinary Perspectives on the Environment Resource Center ........ 68
Integrative Studies ......................................... 68
Language Learning Center ............................. 68
Library Resources .......................................... 68
Native American Languages Program ............... 68
OU Observatory ............................................ 68
Society for Cinema & Media Studies .................. 68
Society for Cinema & Media Studies .................. 68
Education Abroad .......................................... 68
Undergraduate Research ................................ 69
Recognition of Academic Achievement .................. 69
Dean’s Honor Roll ......................................... 69
Scholarships and Awards ............................... 69
Phi Beta Kappa ............................................ 69
College Honorary Organizations ....................... 69
Undergraduate Study ........................................ 69
Student Responsibilities ................................ 69
Admission to the College of Arts and Sciences ....... 69
Advising Services .......................................... 70
Faculty Advisers ........................................... 70
Academic Services ........................................ 70
Change of Major/College ................................. 70
Enrollment Information .................................... 70
Advisement .................................................. 70
Change of Enrollment .................................... 71
Pass/No Pass Enrollment .............................. 71
Good Standing/Enrollment Contract ................. 71
Academic Forgiveness Policy ......................... 71
Graduation Requirements ................................. 71
Rules, Regulations, and Requirements for Undergraduate Programs .... 71
Arts and Sciences College Requirements .......... 72
Degree Check ............................................. 72
Optional Opportunities .................................... 73
Combined Curriculum ................................ 73
Planned Program ......................................... 73
Additional Bachelor’s Degrees ...................... 73
Minors ...................................................... 73

Academic Units
African and African-American Studies .................. 74
Anthropology, Department of ......................... 75
Botany and Microbiology, Department of ................. 76
Chemistry and Biochemistry, Department of .......... 78
Classics and Letters, Department of ................. 80
Communication, Department of ...................... 81
Economics, Department of ............................. 83
English, Department of ................................ 84
Film and Video Studies ................................ 86
Health and Exercise Science, Department of .......... 87
History, Department of ................................ 89
History of Science, Department of ..................... 90
Human Relations, Department of ..................... 91
Interdisciplinary Perspectives on the Environment ........ 92
Schusterman Program in Judaic and Israel Studies ......................... 93
Library and Information Studies, School of ............. 94
Mathematics, Department of ........................... 97
Medieval and Renaissance Studies ................... 100
Modern Languages, Literatures, and Linguistics, Department of .......... 100
Native American Studies ................................ 104
Philosophy, Department of ............................. 105
Physics and Astronomy, Homer L. Dodge Department of .......... 106
Political Science, Department of ...................... 109
Psychology, Department of ................................ 112
Religious Studies Program ................................ 114
Social Work, School of ................................ 115
Sociology, Department of ............................... 118
Women’s and Gender Studies .......................... 120
Zoology, Department of ................................. 121

General Information

Administrative Officers
Paul B. Bell, Jr., Ph.D., Dean
Kelly R. Damphouse, Ph.D., Associate Dean
Edward Sankowski, Ph.D., Associate Dean
Rhonda Dean Kyncl, Ph.D., Assistant Dean

History and Purpose
The College of Arts and Sciences is the oldest and largest of the degree-recommending colleges at the University of Oklahoma. Established
in 1892 as the College of Liberal Arts, the college granted its first degree in 1898. Today, as then, the liberal arts and sciences provide the foundation for the OU educational experience, through which we prepare our students to live productive and successful lives as citizens of a democracy.

The College of Arts and Sciences is responsible for providing all of OU’s undergraduate students with a core curriculum that exposes them to both the natural and social environments in which they live and helps them view and analyze the world from different perspectives and to arrive at their own opinions. Students majoring in one of the College’s degree programs receive additional education in foreign language and the humanities. Our goal is to graduate students who can communicate clearly, both in writing and orally; think creatively; reason and act ethically; serve as leaders of their professions and their local and global communities; and continue to learn after they leave OU. By providing a broad-based education, the College of Arts and Sciences seeks to enrich the lives of our students, both as individuals and as active, productive members of society. To accomplish these goals, we bring together talented students and dedicated teacher-scholars in an environment that supports learning and personal development and is, in turn, supported by the donations of our alumni and friends to produce the best educational experience possible, anywhere.

More than 6,500 undergraduates and almost 1,500 graduate students are pursuing degrees in one of the 46 undergraduate majors, 41 minors, 31 master’s degrees and 21 doctoral degrees offered through the College’s 19 departments, two schools, six interdisciplinary programs and several special programs. The College employs half of all OU full-time instructors, teaches 61 percent of the undergraduate credit hours, awards 45 percent of all undergraduate degrees and 58 percent of all graduate degrees. The degrees offered by the College provide a strong foundation for further professional or graduate studies and for pursuing employment in a wide variety of endeavors.

The College Today

Degree Programs Offered

BACHELOR OF ARTS

Degree Programs

African and African-American Studies, Anthropology, Chinese, Classics (Classical Culture, Latin, or Greek), Communication, Economics, English (Literary and Cultural Studies or Writing), Ethics and Religion, Film and Video Studies, French, German, History, Human Relations, Information Studies, Judaic Studies, Letters, Linguistics, Mathematics, Native American Studies, Philosophy, Political Science, Psychology, Public Affairs and Administration, Religious Studies, Russian, Social Work, Sociology (General or Criminology), Spanish, and Women’s Studies.

Please refer to the sections on Combined Curricula and Planned Program for additional information on Bachelor of Arts degree programs within the College of Arts and Sciences.

BACHELOR OF SCIENCE

Degree Programs


Please refer to the sections on Combined Curricula and Planned Program for additional information on Bachelor of Science degree programs within the College of Arts and Sciences.

Teacher Certification Programs

Students in the College of Arts and Sciences may also work toward completion of an Oklahoma teaching certificate for secondary education. For more information concerning teaching certificate programs, consult an academic counselor in the Academic Services office.

Types of Degrees Offered

Standard Degree

The standard degrees of Bachelor of Arts or Bachelor of Science do not include the name of the curriculum in which the major work was completed.

Professional Degree

The professional degrees of Bachelor of Arts or Bachelor of Science include the name of the curriculum in which the major work was completed, e.g., the Bachelor of Science in Chemistry degree or the Bachelor of Arts in Information Studies degree.

Distinction and Special Distinction Degrees

Students who complete their undergraduate degree in the College of Arts and Sciences may be graduated with distinction if they have completed a minimum of 60 credit hours in residence at the University of Oklahoma and achieve the required grade point averages. The degree with Distinction will be conferred on students who achieve at least a 3.60 combined retention grade point average and a 3.60 grade point average in all OU coursework. The degree with Special Distinction requires at least a 3.90 retention grade point average in all combined and OU coursework. The final semester’s grades will be included in the grade point average that determines the Distinction or Special Distinction degree.

Honors Degrees

All of the bachelor’s degree programs offered by the College of Arts and Sciences are available to qualified students as honors degree programs. Students may be graduated with honors (cum Laude, Magna cum Laude, Summa cum Laude) if they successfully complete all requirements of the Honors College in addition to their regular degree program requirements. Please refer to the Honors College section of this catalog for specific information concerning admission and completion of honors degrees.

College Facilities and Programs

ARCHEOLOGICAL SURVEY

Robert L. Brooks, Director and State Archaeologist

Established in 1970, the Oklahoma Archeological Survey is a state agency with regulatory authority, as well as a unit of the College of Arts and Sciences. The Survey’s enabling legislation charges the Survey with three basic mandates: 1) to conduct research on Oklahoma’s prehistoric and early historic archaeologic record, 2) to work with the citizens of Oklahoma to preserve significant archaeological resources, and 3) to disseminate information on our activities through publications, public presentations and other means of outreach. The Archeological Survey has two divisions: Organized Research and the Community Assistance Program. The Survey also serves as the centralized repository for records on archaeological sites in the state (currently holding information on some 20,000 locations). Personnel of the Archeological Survey consists of seven research faculty, along with graduate and undergraduate students, and volunteers who perform a wide range of research, managerial, and educational activities. The Survey faculty also teach classes through the Department of Anthropology.

BIOLOGICAL STATION, LAKE TEXOMA

Lawrence J. Weider, Director and Professor of Zoology

The University of Oklahoma Biological Station is a permanent field station located on the north shore of Lake Texoma, approximately 125 miles from Norman, and is subject to all rules and regulations that govern the University of Oklahoma. The station’s primary mission is to promote research and education in ecology and field biology. Our facilities are open to students and scientists world-wide for research and study, and the Biological Station participates significantly in ecological and evolutionary research at national and international levels.

Primary academic goals include biological instruction, experimentation, and exploration as it relates to the University of Oklahoma student. However, the scientific and study programs have been enlarged to incorporate four main operational endeavors. They are: (1) the constant
BIological Survey
Caryn Vaughn, Director and Professor of Zoology
The Oklahoma Biological Survey, established in 1927, is both a research unit of the College of Arts and Sciences and a state agency recognized through 1987 legislation. The mission of the Survey is to scientifically investigate the diversity of plants and animals in Oklahoma and associated regions and to contribute to conservation and education concerning these important resources. The Survey includes: (1) the General Biological Survey program; (2) the Oklahoma Natural Heritage Inventory; (3) the Bebb Herbarium jointly operated with the Department of Botany and Microbiology; (4) the Oklahoma Natural Areas Registry; (5) the Sutton Avian Research Center, a bird conservation center located in Bartlesville, Oklahoma, and (6) a cooperative graduate training program with the Oklahoma Fishery Research Laboratory of the Oklahoma Department of Wildlife Conservation. Personnel in the Survey include faculty, staff, graduate students and undergraduates who engage in a wide range of research, teaching and service activities.

Career Services
The College works cooperatively with the University of Oklahoma’s Office of Career Services to help students to prepare for and find summer internships prior to graduation and full-time jobs after graduation. Services are free to all Arts and Sciences majors, and professional counselors are available to assist students in conducting a job search and contacting employers. Programs include a class for Arts and Sciences students on preparing for the job search, on-campus interviewing, online resume books, career fairs, mock interviews, online job board listing full-time and internship positions, and workshops on job search strategies. In addition, assistance is provided to students pursuing graduate school. Professional counselors are available by appointment or during scheduled walk-in hours. More information is available on the Career Services Web page at www.hiresooner.com. The office complex is located in the Oklahoma Memorial Union, Suite 323.

Carl Albert Congressional Research and Studies Center
Cindy Simon Rosenthal, Director and Curator, and Professor of Political Science
The Carl Albert Congressional Research and Studies Center has as its mission advancing scholarship, learning, and service to strengthen representative democracy. The Center offers a unique five-year graduate fellowship program leading to a degree in political science with special emphasis on Congress and representative government. The Center also offers research fellowships to undergraduate students who participate with political science faculty in collaborative research. Civic engagement and leadership programs of the Center provide undergraduate students with unique opportunities to develop public leadership capabilities. In addition, undergraduate students may enroll in Capitol Scholars and Community Scholars, which are intensive academic/internship experiences at the Oklahoma State Capitol or in local government and non-profit entities. Other programs aimed at strengthening representative democracy include the biennial Rothbaum lecture series, which brings distinguished political science scholars to the Norman campus; publication of Extensions, a forum for discussion of the U.S. Congress; and the Carl Albert Center Congressional Archives, a valuable resource to researchers at OU and throughout the world. The Center’s congressional archives contain the papers of native Oklahoman Carl Albert, who served 29 years in the U.S. Congress and was House Speaker 1971-1976, and the papers of more than 50 former members of Congress. Students and researchers interested in learning more about the Carl Albert Center may visit the web site: http://www.ou.edu/carlalbertcenter/

Computing Resources
In order to meet the challenges of the 21st century, graduates of the College of Arts and Sciences must be able to research problems, gather, evaluate, and analyze information and present the results in a logical coherent manner. The College of Arts and Sciences provides a number of technology resources and computing facilities to help students develop these skills.

Streaming Media. To meet the need for timely, thought provoking information, the College of Arts and Sciences tapes and video streams many distinguished guest lecturers and authors that visit the Campus each year. These presentations are then made available on the College’s streaming media web site to provide all students with an opportunity to see and hear the presentations at a time that is convenient for them. The streaming video presentations can be viewed on the college web site at: http://ou.edu/cas.

Open Access Labs. College of Arts and Sciences students have access to the finest computing facilities at the University of Oklahoma. These staffed computer lab facilities provide students the opportunity to conduct research, write papers, create web sites and conduct email correspondence. The facilities include:
- Physical Sciences Building Lab
- Dale Hall Tower Lab
- School of Library and Information Studies Lab.

Computerized Classrooms. Each year an increasing number of classes are taught in a computerized setting. Each of these classrooms have been configured with the latest hardware and software needed to support instruction.
- Three classrooms in Gittinger Hall used for English Composition
- The state of the art Modern Languages, Literatures and Linguistics Lab used to support students in the study of languages
- 230 and 231 Physical Sciences Center
- 105 Dale Hall Tower

Departmental Computing Facilities. Many departments and schools also have computer lab facilities to support the specialized needs of their students. These include:
- Biological Station
- Economics
- Health and Exercise Science
- Library and Information Studies
- Modern Languages, Literatures, and Linguistics
- Social Work
- Sociology
- Psychology
- Physics
- Zoology

Film & Video Studies Library and Media Lab
The Film and Video Studies Library and Media Lab, located in Old Science Hall, houses over three thousand DVD and video titles including American feature and documentary films, a large and diverse selection of foreign films, and a collection of screenplays and reference books on film, television and new media. A student media lab is also housed in the library, enabling FVS majors to edit film projects.
INTERDISCIPLINARY PERSPECTIVES ON THE ENVIRONMENT RESOURCE CENTER

The IPE Resource Center, located in 555 Monnet Hall, contains a collection of books, videos, and other materials related to environmental issues in general.

INTEGRATIVE STUDIES

Foreign Service

Students seeking entry into the Foreign Service should obtain a good general education including courses in history, political science, economics, international relations, business, public administration, and foreign languages.

No specific major is required. In recent years, those entering the Foreign Service have had bachelor’s degrees or advanced degrees in international relations, economics, business administration, law, journalism, and many other fields. Keep in mind that competition for entry into the Foreign Service is extremely high, and the student should pursue an educational program which will lead to an alternative career.

Pre-law

No particular course of study is a prerequisite for admission to law school, although history or political science is the choice of many pre-law students. Law schools encourage prospective students to pursue their own interests in obtaining a broad background in their undergraduate programs. The student should develop precision and clarity in written and oral expression; obtain a critical understanding of human institutions and values; and develop the ability to think clearly, carefully, and independently. All of these skills and qualities can be obtained through a variety of educational programs at the undergraduate level.

Advice to pre-law students is available at www.ou.edu/cas/psc/pre-law.htm or in the Political Science department, 205 Dale Hall Tower.

Premedical Professions

James N. Thompson, Jr., David Ross Boyd Professor of Zoology
William Ortiz-Leduc, Associate Professor of Botany/Microbiology

The Premedical Professions Office (209 Richards Hall, (405) 325-2457) assists those students planning to enter one of the medical professions (primarily allopathic medicine, osteopathic medicine, dentistry, optometry, podiatry, and physician’s associate). Students interested in veterinary medicine are advised through the Zoology Advising Office (211A Richards Hall, (405) 325-5661). It is important that prospective premedical professions students confer with a premedical adviser as soon as possible after entering the University, since decisions made during the first enrollment can have a very significant effect on their progression through their preprofessional curriculum.

A point which must be emphasized is that a premedical professions curriculum does not constitute a major and does not lead to a bachelor’s degree. It is simply a combination of courses that provides the minimum preparation needed for admission to medical school. Acquisition of the bachelor’s degree will require selection of a major. Selection of a major should be made with the same degree of seriousness that would be given to selection of a primary career. Advising for premedical professions students is done cooperatively with the Premedical Professions Office and the major department.

Students who do not plan to earn a bachelor’s degree are likely to be limited in options available in professional training and opportunities at a later time.

LANGUAGE LEARNING CENTER

The Department of Modern Languages, Literatures and Linguistics is home to the computerized Language Learning Center, located in Kaufman Hall. Here students can utilize audio, live international television programming, video, and interactive computer tutorials for Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Portuguese, Russian, and Spanish languages and literatures. Placement exams are administered in the lab for French, German, Japanese, Russian, and Spanish. The language center’s Web site is mllab.ou.edu.

LIBRARY RESOURCES

In addition to the extensive collections housed in the Bizzell Memorial Library, Arts and Sciences students have access to two notable special collections, the History of Science and Western History collections, as well as two branch libraries and two special collections housed within departments.

The History of Science Collection documents the influence of pure and applied science on the course of western civilization. In the collection of more than 92,000 volumes are the first published editions of works important in the history of science, supplemented by later editions, secondary works, translations, journals and working copies.

The Western History Collections acquire materials on Oklahoma and Western history, North American Indians, the settlement of the West and related topics. The Western History Collections has extensive holdings of photographic materials, manuscript collections, oral histories, cartographic records and the University archives. Holdings include 75,000 books, over 12,000 cubic feet of manuscripts and 2,000,000 photographs.

There are two branch libraries in addition to the larger collections that house materials of importance to Arts and Sciences students. The Chemistry-Math Library, located in the Physical Sciences Center, contains a collection of approximately 80,000 books (including reference materials, periodicals, and monographs) and subscribes to more than 500 journals and continuing serials. The Physics Library, housed in Nielsen Hall, contains 28,000 books and subscribes to 170 journals for physics and astronomy majors. They also have full text access to additional journals.

The Department of Communication’s Julian P. Kanter Political Communication Archives, housed in Burton Hall, holds what is generally considered as the world’s largest library of broadcast political advertisements, with approximately 80,000 archived political commercials.

The Women’s Studies Library, housed in the Physical Sciences Center, includes over 1,400 items that focus on women’s subjects. Future acquisitions will focus on film by and about women.

NATIVE AMERICAN LANGUAGES PROGRAM

The College of Arts and Sciences, through the Department of Anthropology and the Native American Studies Program, promotes the teaching, maintenance, and preservation of Native American languages. Classes are taught in several languages by native speakers with training in linguistics. These languages satisfy both the College’s and the University’s language requirements.

OU OBSERVATORY

The observatory, operated by the Homer L. Dodge Department of Physics and Astronomy, offers free public viewing sessions using a 16-inch LX-200 telescope permanently mounted in a dome on campus.

SOCIETY FOR CINEMA AND MEDIA STUDIES

The Society for Cinema and Media Studies, an international professional organization composed of college and university faculty and graduate students, filmmakers, historians, critics, scholars, and others concerned with the study of the moving image, is hosted in the Film and Video Studies Program, located in Old Science Hall.

EDUCATION ABROAD

Success in today’s global community will depend on a student’s ability to share and use knowledge about culture, history, foreign languages, and world geography. An important and exciting way to bring this international dimension into studies and career planning is through the University of Oklahoma’s Study Abroad Program.

Arts and Sciences students in all majors have the opportunity to study abroad for a summer session, semester, or year while still earning credit toward their degree program. The University has 174 agreements of exchange with universities in 66 countries. Under these programs, students maintain their enrollment at OU and pay OU tuition and fees while studying at an accredited university overseas. Summer programs do not always require OU enrollment and cover a wide range of options, some of which are faculty-led programs.
In general, students need a 2.50 grade point average to apply for an OU exchange program. Two letters of recommendation from OU faculty, an essay, and a personal interview are also required for programs of one or two semesters. Deadlines are usually the end of February for fall programs, and the end of September for spring programs. Summer application requirements are different and the deadlines range from February 1 through March 15. Students will receive individual counseling for study abroad through the Education Abroad Office. General information sessions about study abroad are held each week throughout the semester. Dates and times, as well as program details and a description of the application process are available online at www.ou.edu/ea.

Arts and Sciences students must consult with their academic counselor in the Academic Services office for determination of specific application of study abroad credits toward graduation. This should be done before enrollment. For additional information on the current Study Abroad programs, contact the Education Abroad office, 223 Old Science Hall, (405) 325-1693, or refer to the “International Programs Center” chapter of this catalog.

UNDERGRADUATE RESEARCH

The college encourages its students to become active participants in research and scholarship. Some departments require a senior thesis, and all offer opportunities for research through independent study courses arranged with individual faculty or through the Honors College. Experience in research provides students with direct exposure to scholarly investigation in their disciplines, and often culminates in presentation of their results at regional and national meetings, or publication in scholarly journals.

Recognition of Academic Achievement

DEAN’S HONOR ROLL

The College of Arts and Sciences Honor Roll is compiled at the close of each fall and spring semester. It includes students who have completed at least 12 grade point hours and have earned an average of 3.50 or higher for the semester.

Students enrolled part-time for both the fall and spring semesters of an academic year will be included on the spring semester honor roll, provided that a 3.50 or better is earned for each semester on a minimum of six semester grade point hours with no withdrawals for either semester.

SCHOLARSHIPS AND AWARDS

Scholarships and awards are given annually to students who have achieved academic excellence. Among the many scholarships available only to Arts and Sciences majors are the College of Arts and Sciences Leadership Scholars, awarded to sophomores, juniors and seniors, and Phi Beta Kappa scholarships awarded to juniors and seniors.

The prestigious Carl Albert Award is given annually to the Arts and Sciences senior who best demonstrates superior academic achievement, moral force of character, and the promise of future service to the state and nation. Each year, the college also awards four outstanding students, each student representing one of the college’s four divisions: natural sciences, humanities, social sciences, and professional programs.

The College of Arts and Sciences offers approximately 160 scholarships annually through the dean’s office and many other scholarships through its various departments and schools. Students should consult the college’s website (www.ou.edu/cas) or the University’s publication A Guide to Scholarships and Financial Aid for further information. The Guide is available on the Financial Aid office’s website (www.financialaid.ou.edu).

PHI BETA KAPPA

Phi Beta Kappa, the nation’s oldest college honor society, was founded at the College of William and Mary in 1776. Alpha Chapter of the University of Oklahoma was chartered in 1920. Membership in Phi Beta Kappa is open by invitation only to juniors and seniors in the College of Arts and Sciences, the Gaylord College of Journalism, and a limited number of other programs.

Juniors and seniors with distinguished academic records are elected in March/April of each year. Students who graduate at the end of the summer session or fall semester are eligible for election the following spring. For additional information about the University’s Phi Beta Kappa chapter, contact the College of Arts and Sciences Academic Services office, or visit the Phi Beta Kappa website at www.ou.edu/pbk.

COLLEGE HONORARY ORGANIZATIONS

Several of the departments and schools within the College of Arts and Sciences participate in national honorary societies, and others have established University of Oklahoma honorary organizations. Students should check with their major department for this information.

Undergraduate Study

Student Responsibilities

It is the student’s responsibility to make decisions during undergraduate study that ensure academic success and timely graduation. To make such important decisions, it is crucial that students know and understand the following:

- All requirements for admission to and completion of the degree program.
- The rules and regulations that govern enrollment and graduation.
- University deadlines.
- University policies and procedures.
- Availability of required courses to complete the degree.
- Where and when to go for help.

The University provides a number of resources for students to help them meet their academic responsibilities successfully. These include:

- Informational publications such as this catalog, A Guide to Scholarships and Financial Aid, and degree requirement checksheets;
- The College Web site: www.ou.edu/cas;
- Academic counselors in the Academic Services office;
- Student Success Seminars, which help develop or improve the skills needed for meeting academic potential;
- Peer tutors for assistance with many of the lower-division courses;
- The Writing Center, which is available to students seeking assistance with writing assignments; and
- Faculty, who teach, advise, and later write letters of recommendation for students.

It is the student’s responsibility to seek out and make use of the resources provided by the University.

Undergraduate students who experience academic difficulty are strongly encouraged to use the appropriate academic support services provided by the University. Students who have questions about these services should consult their academic counselor in the Hobson Academic Services office. Students who need help with coursework beyond the help available from peer tutors or the instructor may wish to consult with the department offering the course to inquire about the availability of other tutors. Most departments maintain a list of tutors, primarily graduate students within the department. These tutors provide services for a fee arranged between the student and the tutor.

Admission to the College of Arts and Sciences

The minimum requirements for admission to the College are:

1. A declared Arts and Sciences major;
2. At least a 2.00 (C) combined retention grade point average on all college-level work attempted; and
3. At least 24 semester credit hours of earned college-level credit.

Some major programs (Social Work, Health and Exercise Science, and the B.S. in Psychology) have admission requirements beyond the minimums set by the College.

The freshman year at the University of Oklahoma is spent in University College, which is not a degree-requirement college. University College provides an advisory system for freshmen and assists students in choosing a major. University College students are invited to visit the Hobson Academic...
Services office and the departments in which they have an interest. Transfer to the College of Arts and Sciences from University College is automatic upon completion of the minimum requirements for admission listed above.

### Advising Services

The College provides advising services to all undergraduate majors through faculty and professional staff advisers in the major departments and through the Hobson Academic Services office.

#### FACULTY ADVISERS

The College of Arts and Sciences requires all undergraduate majors to meet with their faculty or professional staff adviser in their major department prior to each enrollment.

The Arts and Sciences faculty and professional staff advisers have special expertise in degree program planning, due to their knowledge of the discipline, courses, methods of teaching, and special opportunities available through the major departments. In addition, they can provide information about potential careers and assist with plans for graduate study. Students should contact their major department for information concerning their faculty or professional staff adviser.

#### ACADEMIC SERVICES

Rhonda Dean Kync, Ph.D., Assistant Dean
Kristi Brooks, Senior Academic Counselor
Jessica Burgett, Academic Counselor
Jodi Daffer, Academic Counselor
Michele Goar, Academic Counselor
Jodi Hubbel, Coordinator and Senior Academic Counselor
Josh Lind, Academic Counselor
Lindsey Perry, Academic Counselor
Ryan Peters, Senior Academic Counselor
Jennifer Rosch, Academic Counselor
Shawn Singer, Academic Counselor
Erin Tyler, Academic Counselor

Phone: (405) 325-4411; Fax: (405) 325-7429

The Cal Hobson Academic Services office of the College of Arts and Sciences is located in 124 Ellison Hall. Academic counselors in this office are knowledgeable about programs offered by the College. They assist students with choice of major, transcript evaluation, enrollment, graduation requirements, graduation certification, minors, and any problems of an academic nature. Counselors are available throughout the year. Students may schedule appointments with their counselor at http://advise.ou.edu.

Students who have earned at least 90 credit hours (earned hours plus current enrollment) should schedule an appointment with an academic counselor in the Academic Services office to determine the remaining requirements for graduation (“degree check”).

Seniors must consult with their academic counselor prior to the beginning of their final semester or term to ensure that their final enrollment will complete all remaining graduation requirements. In order to graduate seniors must also complete a graduation application form and turn it in to the Office of Academic Records during their final term of enrollment prior to published deadlines.

#### TRANSFER STUDENTS

The College of Arts and Sciences welcomes students who wish to transfer from other colleges or universities. Transfer students who have completed at least 24 semester credit hours will be admitted directly into the College of Arts and Sciences if they meet the University’s admission requirements. Transfer students who have earned fewer than 24 semester credit hours will be admitted to University College.

The Office of Admissions will determine acceptance of credits from the transferring institutions. The College of Arts and Sciences will determine how the credits apply toward the requirements for an Arts and Sciences degree. All new transfer students who are directly admitted to the College of Arts and Sciences must meet with an academic counselor in the College’s Hobson Academic Services office prior to their first enrollment at the University of Oklahoma.

Transfer students should pay particular attention to the following requirements for graduation from the University of Oklahoma:

1. At least 60 semester credit hours must be earned at accredited senior (4-year) institutions.
2. At least 48 semester hours of upper-division credit (courses numbered 3000 or above) must be earned. Transfer work is counted as lower-division or upper-division depending on the level at which it was offered at the institution where it was earned. Two-year college work is accepted only as lower-division credit.
3. Residency: this is defined as coursework taken at the University of Oklahoma, excluding correspondence courses.
   - a. A minimum of 30 semester credit hours applied toward the degree must be earned in residence at the University of Oklahoma.
   - b. At least 15 of the final 30 hours applied toward the degree or at least 50 percent of the hours required by the institution in the major field must be satisfactorily completed at the University of Oklahoma.
   - c. At least 15 semester hours of upper-division major credit applied to the degree must be earned in residence at the University of Oklahoma.
   - d. Credit transferred from other institutions and credit earned through OU correspondence courses is non-resident credit. Credit earned by examination is considered neither resident nor non-resident for the purposes of these calculations.
   - e. Capstone courses must be taken through the University of Oklahoma unless a substitution is approved by the academic department awarding the degree.

#### CHANGE OF MAJOR/COLLEGE

A student who wishes to change major fields within the College of Arts and Sciences must fill out a Change of Major Form in the Hobson Academic Services office. The form also is available online at the college’s web site, www.ou.edu/cas. When completed, the form must be submitted in person or by fax (405-325-7429) to the Hobson Academic Services office. The student should then schedule an advisement session with a faculty or professional staff adviser in the department of the new major.

A student who wishes to transfer out of the College of Arts and Sciences to another college on the Norman campus must fill out a Change of College Form in the Hobson Academic Services office.

#### Enrollment Information

### ADVISEMENT

All students registered in the College of Arts and Sciences must be advised by a faculty adviser or a professional staff adviser in the major department prior to each enrollment. The steps for enrollment are as follows:

1. The student should first meet with a major department faculty or professional staff adviser to determine which courses will be taken in the upcoming semester or session. The adviser will create a record of the advising session and give the student electronic permission to enroll, thus allowing the student access to complete online enrollment.
2. The student will then enroll in courses through online enrollment at the time of his/her designated enrollment window. For specific online enrollment information, contact the Office of Enrollment Services at (405) 325-2572.
3. If a student has a College STOP on his/her enrollment, the student must contact the College of Arts and Sciences Hobson Academic Services office.
4. If the student has other stops on his/her enrollment, such as Bursar’s or Housing stops, the student needs to contact the appropriate office to discuss the circumstances for the stop.

Students are strongly encouraged to take advantage of early registration periods in November (for the Spring semester) and in April (for the Summer session and the Fall semester). Courses fill quickly, and students who delay enrollment will find their course selections very limited.
INTERSESSION ENROLLMENT
Interession allows students to earn credit between academic terms. Students who wish to enroll in May, August, or December Interession may register online. Although it is always recommended, students are not required to meet with an adviser prior to enrolling in an Interession course.

CREDIT HOUR REGULATIONS
The maximum course load in a semester is 19 hours during a regular semester and nine hours in the summer term. A student who has established a strong academic record may request to exceed the maximum enrollment hours by petition to the dean through the Hobson Academic Services office.

CHANGE OF ENROLLMENT
Deadlines for enrollment, adding a course, and dropping a course are published by the University (http://admissions.ou.edu/calendar.html). It is the student’s responsibility to meet deadlines set by the University for changing an enrollment.

PASS/NO PASS ENROLLMENT
Students have the option of taking a course Pass/No Pass (P/NP). To prevent possible bias in grading, the student’s choice of the P/NP option will not be made known to the instructor who will assign the letter grade. The final P/NP grade will be assigned automatically, by computer, on the basis of the letter grade reported by the professor. The grade of P is assigned to a course in which the student earned the equivalent of a C or better. The grade NP is assigned to a course in which the student earned a D or an F.

No credit is given for a course graded NP. Courses graded P/NP are not calculated into the student’s grade point average.

There are three very important restrictions to Pass/No Pass enrollment in the College of Arts and Sciences:
1. A student may enroll in a maximum of 16 hours of courses under the P/NP option throughout their academic career.
2. A student may not use the P/NP option for courses taken to satisfy University General Education requirements, Arts and Sciences College requirements, major credit courses, major support requirements, or minor requirements. Only courses used to fulfill free electives may be taken under the Pass/No Pass option.
3. A student may change registration in any course from the P/NP option to a regular graded status (or vice versa) only during the first two weeks of a semester or the first week of a regular summer session.

ENROLLMENT CONTRACT
Good standing in the College of Arts and Sciences requires the following:
• A 2.00 combined retention grade point average (University of Oklahoma and transfer work combined), and
• A 2.00 University of Oklahoma retention grade point average.

Students not meeting one or both of these requirements will be placed on enrollment contract status and must meet specific conditions established by the assistant dean in the Hobson Academic Services office. Failure to meet these conditions will result in denial of enrollment privileges in the College.

Students who have been denied enrollment privileges in the College of Arts and Sciences due to poor academic work should contact the Center for Student Advancement (150 Wagner Hall, 325-2574). Professional counselors in the Center will assist students in determining their options for continuing their educational pursuits.

If at any time during a semester the scholastic standing or attendance in any class of a student on enrollment contract is deemed unsatisfactory, the Dean of the College of Arts and Sciences may recommend to the University Registrar that the student be withdrawn from the University.

Graduation Requirements

Rules, Regulations, and Requirements for Undergraduate Programs
The responsibility for meeting graduation requirements lies with the student.

The requirements for graduation from the College of Arts and Sciences are listed on the next several pages. The requirements for a specific degree come from four separate sources: (1) the Oklahoma State Regents for Higher Education; (2) the faculty of the University of Oklahoma; (3) the faculty of the College of Arts and Sciences; and (4) the faculty of a school or department, or the faculty committee administering a special curriculum.

Degree programs normally have four components:
• University-Wide General Education requirements,
• Arts and Sciences College requirements,
• Major requirements, and
• Free electives.

The specific requirements for majors and minors are listed in the Academic Units section of this catalog and on the degree requirement checklists for each program. Degree checklists are available from the Academic Services office or the College’s web site (www.ou.edu/cas).

Certification of completion of graduation requirements is the responsibility of the Hobson Academic Services office. If grades for the last term of enrollment prior to the planned date of graduation are not adequate for degree completion, students should immediately contact their academic counselor in this office. The counselor will assist the student in establishing another graduation date.

Graduation Grade Point Average Requirements
The College of Arts and Sciences requires a minimum ‘C’ (2.00) average in each of the following areas:
1. Students must earn a minimum of a 2.00 combined retention grade point average (University of Oklahoma and transfer work combined).
2. Students must earn a minimum of a 2.00 retention grade point average on all University of Oklahoma coursework.
3. Students must earn a minimum of a 2.00 retention grade point average in all major credit courses (University of Oklahoma and transfer work combined), and a 2.00 retention grade point average in major credit courses taken at the University of Oklahoma. Some schools and departments in the College of Arts and Sciences have established additional higher grade point requirements for their students. Please refer to the Academic Units section of this catalog for detailed information.

TEN-YEAR LIMITATION RULES
A student in the College of Arts and Sciences may elect to follow the degree requirements that were in place at the time of the student’s first enrollment in the Oklahoma State System for Higher Education (excluding high school concurrent enrollment) or exercise the option to update to the most current degree requirements. Those who elect to follow requirements in place at the time of their first enrollment in the Oklahoma State System for Higher Education must complete the requirements within a maximum of 10 calendar years from the date of that enrollment. If the work for a degree covers a period longer than 10 years, the student must update to the most current degree program requirements.

Credit in a student’s major that is more than 10 years old may not be applied toward a bachelor’s degree unless it is validated by the major department, or each individual department if the major is interdisciplinary.

Academic Forgiveness Policy
The Academic Forgiveness Policy, instituted by the Oklahoma State Regents for Higher Education, allows students, under certain circumstances, to have courses removed from the calculation of the retention grade point average. It consists of two components: the repeat policy and the reprieve policy. These are described in the Academic Standards section of this catalog.

Students should contact the assistant dean in the Hobson Academic Services office for instructions concerning the process of requesting academic forgiveness.

Graduation Requirements
CREDIT HOUR REGULATIONS

Please read this section carefully. Each of the following credit hour regulations must be satisfied to earn a bachelor’s degree from the College of Arts and Sciences. Refer to individual degree program check sheets for specific requirements.

1. A minimum of 120 semester credit hours applicable towards an Arts and Sciences degree must be earned, excluding physical education activity courses.

2. A minimum of 80 semester credit hours must be earned in liberal arts and sciences courses for a Bachelor of Arts degree. A minimum of 55 semester credit hours must be earned in liberal arts and sciences courses for a Bachelor of Science degree. “Liberal arts & sciences courses” are defined by the State Regents as courses in the humanities; social and behavioral sciences; communication; natural and life sciences; mathematics; and the history, literature, and theory of the fine arts (music, art, drama, and dance). This excludes fine arts courses that focus primarily on performance techniques or involve mostly studio work.

3. A minimum of 60 semester credit hours must be earned at accredited senior (4-year) institutions.

4. A minimum of 48 semester hours of upper-division credit (courses numbered 3000 or above) must be earned at accredited senior institutions. Transfer work is counted as lower-division or upper-division depending on the level at which it was offered at the institution where it was earned. Two-year college work is accepted only as lower-division credit.

5. A minimum of 30 semester credit hours must be earned in the major, including a minimum of 15 semester credit hours at the upper-division level.

6. Residency: this is defined as coursework taken at the University of Oklahoma, excluding correspondence courses.

a. A minimum of 30 semester credit hours applied toward the degree must be earned in residence at the University of Oklahoma.

b. At least 15 of the final 30 hours applied toward the degree or at least 50 percent of the hours required by the institution in the major field must be satisfactorily completed at the University of Oklahoma.

c. At least 15 semester hours of upper-division major credit applied to the degree must be earned in residence at the University of Oklahoma.

d. A student must be listed as a College of Arts and Sciences student at the time of graduation.

e. Credit transferred from other institutions and credit earned through OU correspondence courses is non-resident. Credit earned by examination is considered neither resident nor non-resident for the purposes of these calculations.

f. Capstone courses must be taken through the University of Oklahoma unless a substitution is approved by the academic department awarding the degree.

7. No more than 16 semester credit hours earned under the Pass/No Pass option will apply toward the degree. Refer to the College of Arts and Sciences section on P/NP Enrollment.

8. No more than 12 semester credit hours earned in all individualized study courses, e.g., Independent Study and Directed Readings, but excluding Honors Reading and Honors Research, will be counted as part of the minimum 120 semester credit hours required for graduation.

9. No courses may be repeated for credit unless specified “repeatable for credit” in the course description of this catalog or the University’s course inventory. Refer to the course description for the number of times or hours a course can be repeated.

10. Students recommended for the bachelor’s degree must achieve a grade point average of 2.0 as a minimum on all course work attempted, excluding any courses repeated or reprinted as detailed in the State Regents’ Grading Policy and excluding physical education activity courses.

UNIVERSITY-WIDE GENERAL EDUCATION REQUIREMENTS

All bachelor’s degrees offered by the College of Arts and Sciences include the following minimum general education requirements:

Courses for fulfillment of these requirements must be chosen from the University-Wide General Education Approved Course List, published by the University (admissions.ou.edu/gened.htm).

Core Area I: Symbolic and Oral Communication (9–19 hours, 3–5 courses):

a. English Composition (6 hours, 2 courses),

b. Foreign Language (met with the College requirement),

c. Mathematics (3 hours, 1 course),

d. Other (may be used when additional credit hours are needed to bring the total hours completed to 40. Approved courses in this area include communication, logic and public speaking).

Core Area II: Natural Science (met with the College requirement)

Core Area III: Social Science (6 hours, 2 courses): U.S. Government, plus one additional social sciences course chosen from the approved list.

Core Area IV: Humanities (12 hours, 4 courses):

a. Understanding Artistic Forms (3 hours, 1 course),

b. Western Civilization and Culture (6 hours, 2 courses), 3 of these 6 hours must be HIST 1483 or 1493,

c. Non-Western Culture (3 hours, 1 course).

Core Area V: Senior Capstone Experience (3 hours, 1 course).
In addition to the Senior Capstone Experience, students must take at least one upper-division General Education approved course outside the student’s major.

ARTS AND SCIENCES COLLEGE REQUIREMENTS

Courses for fulfillment of these requirements must be chosen from the University-Wide General Education Approved Course List published by the University (www.ou.edu/admrec/gened.htm).

All bachelor’s degrees offered by the College of Arts and Sciences require the following minimum College requirements:

I. Science (7 hours, 2 courses, consisting of one biological science and one physical science course. One of the courses must include a laboratory.)

II. Foreign Language (0–13 hours. One course at the intermediate level or demonstrated competency at that level. Students may need to complete one or two courses at the introductory level prior to enrolling in an intermediate course. Language courses transferred from another institution must be equated to an OU intermediate-level course or evaluated by OU. Competency at the intermediate level will also fulfill the General Education Foreign Language requirement.)

III. Additional Core IV Humanities courses (6 upper-division hours, 2 courses at the 3000-level or above. Must be outside the major and selected from approved courses in Understanding Artistic Forms, Western Civilization and Culture, or Non-Western Culture.)

APPLICATION FOR GRADUATION

Students are responsible for filing an official graduation application during their final semester. Graduation applications are available in the Hobson Arts and Sciences Academic Services Center, 124 Ellison Hall. Failure to file the graduation application will result in the student not being eligible for graduation during that semester or term. Those students who plan to graduate in the fall are strongly encouraged to apply for graduation before November 1; those finishing in the spring before March 1; and those finishing in the summer before July 1. In addition to completing all academic requirements for the undergraduate degree, students must also pay all tuition and fees before the degree can be conferred. Students who complete all academic requirements but fail to pay tuition and fees before the degree can be conferred. Students who complete all academic requirements but fail to pay tuition and fees before the degree can be conferred.

DEGREE CHECK

Students who have earned 90 or more credit hours should schedule a degree check with their academic counselor in the Hobson Academic Services office. At this appointment the counselor will review the student’s transcript and how the completed courses will apply to the degree program. At the conclusion of the degree check, the student will know exactly how the earned credits apply to his/her degree as well as what courses and how many hours are required to graduate. It is crucial for students to complete the degree check so they will know exactly where
they are on the track to graduation. Students may schedule a degree check appointment at https://iadvise.ou.edu.

Optional Opportunities

Combined Curriculum

• Dentistry
• Medicine
• Osteopathic Medicine
• Veterinary Medicine

A student may qualify for the degree of Bachelor of Arts or Bachelor of Science at the end of his/her first year in an approved school of dentistry, medicine, osteopathic medicine, or veterinary medicine by fulfilling the requirements listed below. Items A-1 through A-4 must be completed prior to entering the professional school.

A. Combined Curriculum with the University of Oklahoma College of Medicine or College of Dentistry:
1. Complete at least 98 semester credit hours before entering the College of Medicine or College of Dentistry.
2. Earn at least 30 semester credit hours in residence at the University of Oklahoma.
3. Earn at least 15 semester credit hours of upper-division major credit courses at the University of Oklahoma.
4. Earn at least 15 of the last 30 semester credit hours before entering the College of Medicine or College of Dentistry in residence at the University of Oklahoma.
5. Complete all other degree requirements of the College including the University's general education requirements, the Arts and Sciences College requirements, and all the major and major support requirements of a regular Arts and Sciences degree program.
6. Successfully complete the work of the first year in the College of Medicine or Dentistry.

B. Combined Curriculum with other Approved Schools of Medicine, Osteopathic Medicine, Dentistry, and Veterinary Medicine:

A student enrolled in a medical school approved by the Association of American Medical Colleges, in an Osteopathic Medical School approved by the American Osteopathic Association, in a dental school approved by the American Dental Association, or in a school of veterinary medicine approved by the American Veterinary Medical Association may receive the degree of Bachelor of Arts or Bachelor of Science upon the satisfactory completion of: Items A-2 through A-4 (above) and completion of at least 98 hours prior to entering the professional school and by satisfactory completion of the first year in the approved College of Dentistry, Medicine, Osteopathic Medicine or Veterinary Medicine.

Planned Program

DEGREES OFFERED

• Bachelor of Arts
• Bachelor of Science

Students seeking an educational experience that meets individual interests or needs may complete a Planned Program in lieu of an existing major. The program may be created in consultation with a faculty member or college-level academic counselor.

The Planned Program must be a coherent set of courses exploring some theme or topic. The program must include at least 36 hours of courses acceptable for major credit in the departments offering the courses, including a capstone class appropriate for the Planned Program. The program proposal should state in writing the courses to be included and must be approved by the Assistant Dean of Arts and Sciences.

The student and the faculty member who will serve as the student’s adviser must sign the proposed program. It must be submitted to the Dean of the College of Arts and Sciences for approval and for designation of the appropriate degree to be awarded upon the successful completion of the program.

Because the planned program substitutes for only the major requirements, all other degree requirements of the College must be met. Students considering pursuing a planned program should consult a college-level counselor for advice on how to proceed.

Additional Bachelor’s Degrees

Additional bachelor’s degrees may be earned from the College of Arts and Sciences by satisfying specific requirements beyond those required for a first degree from the College. Students may earn degrees from the College concurrently, or students holding a bachelor’s degree from the College of Arts and Sciences or another college within the University or from another institution may qualify for an additional (consecutive) degree. To earn an additional bachelor’s degree from the College of Arts and Sciences, a student must:
1. Choose a major different from that of the prior degree(s).
2. Satisfy all current requirements of the additional degree program.
3. Earn a minimum of 30 credit hours in Arts and Sciences courses not applied toward a previous degree, 24 of which must be upper-division.
4. Earn a minimum 2.00 average on all work attempted for the additional degree.
5. At least 15 of the last 30 hours applied toward the second degree must be completed in residence at the University of Oklahoma.

Credit-hour limitations set for the first bachelor’s degree from the College of Arts and Sciences will not be extended for an additional degree (i.e., if the college’s 12 independent study hours were applied to an earlier degree, no additional independent study may be taken).

Double Majors

Students may earn two majors as part of a single degree. Both majors must be completed within the College of Arts and Sciences prior to graduation. Only one degree will be awarded but the transcript will indicate both majors. The degree will be awarded when requirements for both majors are completed. Courses used to fulfill minor requirements may not be used toward either major. Students interested in a major outside the College of Arts and Sciences must pursue a second undergraduate degree.

Minors

The College of Arts and Sciences offers its students the option of declaring a minor subject. Minors are available in several departments and interdisciplinary programs in the college and the specific minor requirements are discussed in the section of the catalog describing the major programs offered by the college. Requirements also are available in the College of Arts and Sciences Holub Academic Services office or on the college’s web site at www.ou.edu/cas. Requirements include a minimum of 15 hours of courses acceptable for major credit, at least nine of which are upper-division hours. At least six credit hours must be earned in courses acceptable for resident credit by standards set forth by the College of Arts and Sciences, excluding transfer, correspondence, and examination (AP, CLEP, Advanced Standing) credit. Courses for the minor may not be taken Pass/No Pass. Courses used to fulfill minor requirements may not be used to fulfill the major requirements of a degree or the requirements of another minor. If the minor is officially declared, successfully completed, and noted on the graduation application, the student’s transcript will so indicate at the time the bachelor’s degree is recorded. The College of Arts and Sciences also offers minors to undergraduate students enrolled in other colleges within the University.

Following is a list of minors available at the time this catalog was published. For a more current list, consult the college web site at www.ou.edu/cas.
African and African-American Studies

Jeanette R. Davidson, Director
633 Elm Ave., Room 233
Norman, OK 73019-3120
(405) 325-2327
FAX: (405) 325-0842
Internet: http://www.ou.edu/cas/afam

Degree Offered
- Bachelor of Arts

Undergraduate Study
The African and African-American Studies (AFAM) program provides students with the opportunity to engage in the scholarly and academic study of the African-American experience, using the study of Africa as a starting point. This interdisciplinary program is intended to help students develop understanding, perceptions, and attitudes for living more successfully in the increasingly multicultural world. The African and African-American Studies program helps prepare students for employment in many different settings.

MAJOR
In order to earn a major in AFAM, the student must successfully complete a minimum of 36 credit hours. The following core courses are specifically required for the major:
- AFAM 2003, Introduction to African and African-American Studies;
- AFAM 2113, Africa and the Diaspora;
- HIST 2033, African-American History to 1865; or, HIST 2043, African-American History since 1865;
- AFAM 3513, Research Methods, or alternative research course as approved by Program Director
- AFAM 4003, Senior Seminar in African and African-American Studies (Capstone).

The student must also choose ONE course from each of the following three major groups: Historical Issues, Contemporary Social Issues, and Aesthetics. After successfully completing the core requirements and one course from each of the three main groups, the student will have completed 24 credit hours toward the AFAM major. The remaining 12 credit hours toward the AFAM major are program electives. Other courses completed by the student for the AFAM major must be approved by the Program Director.

MINOR
The AFAM program welcomes the student who wishes to pursue AFAM as a minor. The student can earn a minor in AFAM by completing 18 credit hours. The following courses are specifically required for the minor:
- AFAM 2003, Introduction to African and African-American Studies;
- AFAM 2113, Africa and the Diaspora;
- HIST 2033, African-American History to 1865; or, HIST 2043, African-American History since 1865.

The student must then complete nine credit hours of upper-division courses in AFAM, or nine credit hours in upper-division courses approved by the Program Director.

AFAM offers a wide selection of course from which the student can choose. Additionally, AFAM allows the student to participate in Independent Study (AFAM 4990) under the guidance of faculty from AFAM. The hours vary and may influence the work load and activities of the Independent Study (AFAM 4990). Students are limited to a maximum of six hours of credit for Independent Study (AFAM 4990).
Department of Anthropology

Susan Vehik, Chair
Paul G. Spicer, Graduate Liaison
521 Dale Hall Tower
Norman, OK 73019-2005
Phone: (405) 325-3261
FAX: (405) 325-7386
Internet: http://www.ou.edu/anthropology/
E-mail: anthro@ou.edu

Faculty Roster

Degrees Offered
• Bachelor of Arts
• Master of Arts
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. Please refer to the Graduate College section of this catalog for general information on graduate programs.

General Information
Anthropology is the holistic study of human beings, including the biological and cultural aspects of people in all times and all places. The four parts of anthropology are biological anthropology, archaeology, linguistics, and sociocultural anthropology. The Department of Anthropology focuses on the archaeology and biological anthropology, linguistics, and sociocultural anthropology of Native America, but we also have strengths in Latin America, the Caribbean, Africa, and the Pacific Islands. We are the only anthropology department in the state system of higher education.

An undergraduate degree in anthropology at the University of Oklahoma requires at least two courses in each of the four subfields, as well as course requirements in research methods, resulting in a well-rounded understanding of people in this country and around the world, both past and present. The department sponsors fieldwork opportunities and is active in the Undergraduate Research Opportunities Program and the Honors College, so that undergraduates who so desire can obtain actual experience in anthropology. We maintain close ties with the Oklahoma Archeological Survey and the Sam Noble Oklahoma Museum of Natural History, and we encourage international study to augment these opportunities.

Undergraduate Study
A major in anthropology provides a broad understanding of human beings and a central part of a liberal arts education. It is also the basis for obtaining certain kinds of jobs in archaeology, museums, or the human resources sector, as well as for graduate study in anthropology or other social science fields.

The undergraduate major requires a minimum of 36 hours of coursework in anthropology. There are specific courses that all majors must take (ANTH 1113, 2113, 2243, 2303, 2503, 4113), and students also must choose one course from each of the following categories:
  • Archaeology: 3373, 3503, 3803, 3883, 4173, 4383, 4413, 4743, 4813, 4833, 4853, 4863.
  • Biological Anthropology: 3083, 3143, 3263, 3423, 4073, 4143, 4163, 4433, 4623, 4903.
  • Linguistics: 2733, 3033, 3053, 3063, 3353, 4033, 4064, 4133, 4330, 4483, 4550.
  • North American and Area Studies: 4193, 4293, 4553, 4604, 4923, 4933, 4943.
  • North American and Area Studies: 3333, 3453, 3553, 3713, 3743, 3843, 3893, 4103, 4303, 4533, 4633, 4653, 4663, 4673, 4693, 4873.
  • Research Analysis: 3930, 4003, 4253, 4713, 4763, 4793, 4973.

Students may also take elective anthropology courses, Native American languages, fieldwork or internships, Honors Reading and Research, and independent study.

MINORS
Students who are majoring in other subjects may complete a minor in anthropology. An anthropology minor consists of 15 hours of coursework including ANTH 1113, General Anthropology. At least nine hours must be in upper-division courses.

Graduate Study
The Department of Anthropology offers both M.A. and Ph.D. degrees in anthropology, and an M.A. in applied linguistic anthropology. The department’s geographical area of emphasis is on the Americas.

Because of its location in a state with 38 federally recognized tribes, important archaeological sites and museum collections, and many nationally prominent anthropological research facilities, graduate study at the University of Oklahoma offers unique educational opportunities. The department has a concentration of specialists in Native America. The department recognizes the historical relationship of anthropology to other areas of the world and to other peoples, and we also have faculty with such research interests. Paralleling our focus on Native America are those of faculty in the departments, colleges, and programs of art history, English, geography, health sciences, history, linguistics, and Native American Studies. Faculty in the department have helped Oklahoma tribes design and implement studies that include health care, native language education, ethnomedicine, federal recognition, geneology, historical anthropology, politics, sociolinguistics, oral history, tribal histories and archives, and tribal cultural studies programs. We offer language courses in Cherokee, Cheyenne, Choctaw, Creek/Seminole, and Kiowa, with native speakers as instructors. The department and the affiliated Oklahoma Archeological Survey support several on-going archaeological research projects in Oklahoma and Kansas, the North American Southwest and Southeast, and northern Mexico. The projects include the earliest settlers in the New World, Paleoindian, Archaic, formative village agriculturalists, hierarchical societies, and historic peoples.

UNIQUE RESEARCH OPPORTUNITIES
• Museum collections at the Sam Noble Oklahoma Museum of Natural History, the Fred Jones Museum of Art, and the Gilcrease Museum in Tulsa.
• The Oklahoma Archeological Survey, a state agency housed at the University of Oklahoma, conducts archaeological research in the state of Oklahoma and offers field and laboratory opportunities for research.
• Archival collections at OU’s Western History Collection, the Oklahoma Historical Society, and the Regional Federal Archives.

ADMISSION
Students interested in the graduate program in anthropology can obtain information on the department by sending an e-mail to the Graduate Liaison or from the department’s Web page. Applications materials should be received by January 31st in order to be considered for financial support. Applications received after January 31st but before April 15th will be considered for admission to the graduate program but not for financial support. In addition to Graduate College requirements, the Department of Anthropology requires a short (1-2 page) statement of goals, results of the
Graduate Record Examination, and two letters of recommendation. Students applying to the Ph.D. program who have written an M.A. thesis may be requested to send a copy to the Graduate Liaison.

Students with a 3.00 or greater (on a 4.00 scale) grade point average in their last 60 hours of undergraduate work can be considered for full admission to the program. Special financial incentives may be available for students with excellent potential.

PREREQUISITES FOR FULL GRADUATE STANDING

Students interested in admission to the graduate program in anthropology should demonstrate a serious interest in anthropology. Degree holders with a major or minor in anthropology are most likely to be best prepared for graduate study. Those with a degree in another discipline should discuss any background preparation for graduate study in anthropology in their statement of purpose.

MASTER OF ARTS DEGREE

The master’s program provides a broad, generalized knowledge of anthropology, along with specialization in one of the four fields. A master’s student will take a core course in each of the four fields and will concentrate the elective coursework in any one of those fields.

In addition to writing a thesis, an M.A. student will enroll in four core courses (5223, 5363, 6633, and 6713) and must earn a grade of B or higher in each course. Additionally each student will complete 14 credit hours of electives selected in consultation with their adviser and committee. Additional detailed information may be obtained from the Graduate Liaison.

MASTER OF APPLIED LINGUISTIC ANTHROPOLOGY DEGREE

The Master of Applied Linguistic Anthropology degree is devoted to the preservation of the world’s endangered languages, with the hope that careful documentation — coupled with community-based educational programs — will one day reverse the devastating effects of language loss throughout much of the world today. It is imperative that we train a new generation of scholars to continue the documentation of endangered languages throughout the world. Yet, because the future of a language ultimately rests with its speakers, it is equally important that we prepare our students to promote community-based educational programs aimed at revitalizing native languages at the community level.

In addition to writing a thesis, a student in this degree program will enroll in two core courses (ANTH 5223, 5363) and must earn a grade of B or higher in each course. As well, students will take 15 hours of graduate linguistic anthropology courses (5013, 5623, 5633, 5613, 6590) and five hours of guided electives selected in consultation with their advisors and committees. Detailed information may be obtained from the Graduate Liaison.

DOCTOR OF PHILOSOPHY DEGREE

In the Ph.D. program the student is required to have a broad knowledge of the four fields of anthropology, supported by at least a core course in each, and to have both theoretical and methodological background in their chosen field.

The Ph.D. requires 90 credit hours, 30 of which are earned toward completion of a dissertation. Up to 30 credit hours from an M.A. program may be applied to the remaining 60 hours. The Ph.D. student’s advisory committee will determine which courses, including core courses, may be used toward the 90 hours and will define the plan of study. Each doctoral student will complete a General Examination and dissertation defense. Detailed information is available from the Graduate Liaison.

Department of Botany and Microbiology

Gordon Uno, Chair and Graduate Liaison
136 George Lynn Cross Hall
Norman, OK 73019-6131
Phone: (405) 325-4321
FAX: (405) 325-7619
Internet: http://www.ou.edu/cas/botany-micro/
e-mail: guno@ou.edu

Faculty Roster
Professors Conway, Elisens, Luo, McChesney, Russell, Skvarla, Sullivan, Tanner, Uno, Wallace, Xiao, Zhou; Associate Professors J. P. Gibson, Hoefnagels, Krumholz, Li, Nagle, Ortiz-Leduc; Assistant Professors Duncan, Dunn, Elmendorf, Holt, Karr, Lawson, Stevenson, Wawrik.

Degrees Offered

- Bachelor of Science
- Bachelor of Science in Botany
- Bachelor of Science in Microbiology
- Master of Science
- Master of Natural Science
- Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

General Information

The Department of Botany and Microbiology has a successful faculty committed to excellence in teaching and research. The faculty provides instruction leading to highly respected undergraduate and graduate degree programs in both botany and microbiology and maintains one of the most highly funded research programs on campus.

Several of the faculty members have received awards from the University or their scientific colleagues in recognition of their teaching and research excellence. Most of the faculty have internationally recognized research programs and, as a consequence of their reputations, serve on advisory panels to federal agencies, review grant proposals and manuscripts for both national and international journals, serve on editorial boards, and hold offices in national and international societies in their respective disciplines.

Programs for Academic Excellence

RESEARCH OPPORTUNITIES

Both undergraduate and graduate students are encouraged to conduct research projects under the guidance of major professors throughout the semester. More intensive research experience in specific laboratories is frequently available through summer assistantships.

STUDENT ORGANIZATIONS

The OU Botanical Society is open to undergraduate and graduate students. The Society organizes field trips and holds several meetings throughout the semester on topics of general interest to which the public and University community are invited.
Career Options
A variety of careers is available to persons with degrees in botany or microbiology. Employment may be with biological supply houses, pharmaceutical companies, industries, state and federal agencies and research institutes. Microbiologists in the medical fields are frequently employed in clinical, diagnostic laboratories and medical research institutes. Increasing employment opportunities are becoming available in the biotechnology industry for persons trained in either botany or microbiology.

Scholarships and Financial Aid
The department has scholarships and assistantships available for academically outstanding students. Individuals with a 3.00 grade point average can apply or be recommended for the scholarships. Updated information on application and deadlines for all departmental scholarships can be found at the department’s website under the “students” section: http://www.ou.edu/cas/botany-micro. Undergraduates must have completed their sophomore year of study to be considered. Details can be obtained from the chair of the department.

Undergraduate Study

AREAS OF CONCENTRATION
Majors in the Department of Botany and Microbiology may choose to concentrate in one of the following areas appropriate to the major program; however, specific information about the area of concentration will not be reflected on the transcript.

- **Microbiology** — Environmental Microbiology, Industrial Microbiology, Medical Microbiology, Microbial Ecology, Microbial Genetics, Microbial Physiology, Microbial Systematics, Molecular Biology, Functional Genomics, Geo-Microbiology, Biofuels, Intestinal Microbiota, and Biocorrosion Microbiology.

Bachelor of Science (Standard Degree)
This degree program is designed for students with a liberal arts orientation who wish to emphasize microbiology. The program ensures that each student receives a general understanding of the basic areas in microbiology, and acquires adequate training in the supporting disciplines, but retains an adequate number of electives to permit a liberal arts degree. Sufficient latitude is provided, enabling the student and adviser to plan a specific program tailored to the career and educational goals of the student. The requirements are listed below.

A total of 30 hours of major work in microbiology is required. These courses must be included: 3812, 3813, 4823, 4843, 4853, 4893 or 4950, and two of the following: 4813, 4873 or CHEM 3753. Additional requirements are Botany 1114, or Biology 1134 and Zoology 1121, one year of physics (2414 and 2424 or equivalent), and Physics laboratory 1311 and 1321; Chemistry 1315 and 1415, a year of organic chemistry with laboratory; a course in quantitative analysis or physical chemistry with laboratory; a course in biochemistry with laboratory; Mathematics 1743 and a course in statistics (Economics 2843, Psychology 2113, or Political Science 3123). Recommended electives include cell biology, history or philosophy of science, logic, geology or physical geology, computer science, genetics and management or finance.

Bachelor of Science in Botany and Bachelor of Science in Microbiology (Professional Degree)
The professional degree programs in botany and microbiology are designed to ensure that the student is well prepared for postgraduate study in the life or medical sciences or to accept immediately professional employment in a variety of botanical or microbiological positions. Major requirements, though similar to those of the Bachelor of Science program, are greater in scope and rigor. The requirements for the professional degrees are as follows:

**BOTANY**
The program requires 32 hours of major work including Botany 1114 and 24 upper-division hours selected from each of the following four areas: (1) Systematics and Evolution (3534, 4413, ZOO 3013); (2) Physiology, Structure and Development (4115, 4283, 5264); (3) Ecology and Environment (2404 or 3452 and 3453); (4) Cellular and Molecular Biology (3113, 3333, 4810, 4873) and a capstone course (4983).

At least 24 of the 32 hours must be upper-division. At least two upper-division Botany courses with laboratories are required (excluding Capstone): PHYS 2414, one course in statistics, biochemistry, computer science, or a second semester of Physics; MATH 1743 or equivalent; CHEM 1315, 1415, five hours of Organic Chemistry including laboratory; and one science course (at least three hours) outside botany are required.

**MICROBIOLOGY**
A total of 35 hours of major work in microbiology is required. The following courses must be included: 3812, 3813, 4823, 4843, 4853, 4893 or 4950, 4813 and 4873. Additional requirements include Botany 1114, or Biology 1134 and Zoology 1121, one year of physics (2414 and 2424 or equivalent), and Physics laboratory 1311 and 1321; Chemistry 1315 and 1415, a year of organic chemistry with laboratory; a course in quantitative analysis or physical chemistry with laboratory; a course in biochemistry with laboratory; Mathematics 1743 and a course in statistics (Economics 2843, Psychology 2113, or Political Science 3123). Recommended electives include cell biology, history or philosophy of science, logic, geology or physical geology, computer science, genetics and management or finance.

Majors in botany and microbiology must present a grade of C or better in each course presented for major credit and in the required supporting courses.

Minors

**MINOR IN BOTANY**
Students majoring in other subjects may satisfy the minor requirements in botany by completing 15 hours of botany including no more than one 1000-level course and one 2000-level course; nine hours must be upper-division.

Students planning to teach science in secondary schools should follow the teacher certification (science) program. For details consult an adviser in the Student Academic Services office.

**MINOR IN MICROBIOLOGY**
Students majoring in other subjects may satisfy the minor requirement in microbiology by completing 15 hours of microbiology including Microbiology 3812, 3813, and 4833 or 4843. Additional courses required as prerequisites are Botany 1114 or Zoology 1114, Chemistry 1315 and 1415 or Chemistry 1425, and Chemistry 3013 or 3053. Additional prerequisites may be required for specific elective microbiology courses. A grade of C or better is required in all courses presented for credit to fulfill the minor.

Students planning to teach science in secondary schools should follow the teacher certification (science) program. For details consult an adviser in the Student Academic Services office.

Graduate Study

**PROCEDURES FOR ADMISSION TO THE GRADUATE PROGRAM**
Applicants for admission must submit an official transcript of all previous college or university work and three letters of recommendation.
Graduate Record Examination Aptitude Test (GRE) is required for admission into the microbiology program. The GRE exam is prepared by Educational Testing Service, Box 955, Princeton, NJ 08540. Information regarding times and places at which the examination may be taken may be obtained from the University Counseling and Testing Services, or similar agencies on other college campuses. These scores are to be sent directly to the Department of Botany and Microbiology at the time of application.

Each entering botany graduate student will have an advisory conference with a member of the botany faculty during the first year of enrollment for evaluation of his or her educational objectives and previous coursework. The conference will permit the student and faculty advisers to determine levels of proficiency in the student’s major area.

All microbiology graduate students will have an advisory conference with a member of the microbiology faculty for the purpose of evaluating previous experience in microbiology. The conference will aid in advisement for enrollment of the student and will not affect admission to a graduate program. The conferences will be held during the first year of enrollment.

Prerequisites for full graduate standing in botany include meeting the general requirements for the Graduate College and at least 16 hours of coursework in life sciences. Prerequisites for full graduate standing in microbiology include, in addition to meeting the general requirements of the Graduate College, the equivalent of one course in calculus; Physics 2414 and 2424; Chemistry 1315, 1415, 3053, 3153, and 3152; and 12 hours of undergraduate preparation in microbiology.

MASTER OF SCIENCE DEGREE
Candidates for the Master of Science in botany will be required to possess a well-balanced knowledge of the field of botany, to have mastered the technical methods in one or more areas and to have had experience in applying such methods to the solution of a problem. A thesis is required in a total program of 30 hours.

A student in this program will be assigned a committee with whom to meet for determining a program of coursework and research.

Candidates for the Master’s degree in microbiology will be required to show mastery of subject matter in general microbiology, medical microbiology, molecular biology, immunology and microbial physiology. In all cases satisfactory completion of a thesis and oral examination covering this subject matter and defense of the thesis will be required.

A student working toward the Master of Science degree will be assigned a committee which will aid in designing the degree program.

MASTER OF NATURAL SCIENCE DEGREE
Students interested in teaching science in the secondary schools are referred to the degree of Master of Natural Science. To be admitted to the M.N.S. degree program, the applicant must hold a valid secondary school teaching certificate. In addition, the applicant must have completed 50 semester hours of science or hold a degree in science.

DOCTOR OF PHILOSOPHY DEGREE
Work leading to the Ph.D. degree is offered in most areas of botany. The program requires a satisfactory demonstration of knowledge in three of the major areas of botany which include structural botany, systematics, ecology, physiology, genetics, and molecular biology. This proficiency will be determined by the dissertation advisory committee. The satisfactory completion and successful defense of original research as described in a dissertation is also required. Each student will, in consultation with the chairperson, select a dissertation advisory committee. A student must complete the general requirements of the Graduate College, appropriate research skills, and a minor in a related field with a minimum of six hours. Each student must attend and participate in a graduate seminar (BOT 5971). Approximately one-half of the last 60 hours should be in research, Botany 6980.

The Ph.D. degree in microbiology requires the successful completion of a dissertation and satisfactory demonstration of knowledge in the areas of general microbiology, including medical microbiology including immunology; molecular biology, including microbial genetics; microbial physiology, and functional genomics. A minimum of 30 hours of the last 60 must be taken in research (MBIO 6980). Each student must attend and participate in a graduate seminar (MBIO 5971). Testing of subject matter will be administered by the dissertation advisory committee.

Each student will be assigned a specific dissertation committee whose functions are to aid in designing the degree program, provide advice on the dissertation research and conduct the oral dissertation defense examination.

Detailed information on graduate work may be obtained from the Chair, Department of Botany and Microbiology, 770 Van Vleet Oval, Room 136, Norman, OK 73019-6131.

Department of Chemistry and Biochemistry

George Richter-Addo, Chair
Ivan Yip, Graduate Liaison
208 Chemistry Building
Norman, OK 73019-3051
Phone: (405) 325-4811
FAX: (405) 325-6111
Internet: http://chem.ou.edu/

Faculty Roster
Professors Abraham, Ashby, Blank, Cook, Frech, Glatzhofer, Halterman, Klebba, Liu, Nelson, Nicholas, Richter-Addo, Taylor, Wheeler, West, Zgurskaya; Associate Professors Houser, Mao, Morvant, Rice, Rybenkov, Yip; Assistant Professors Cichewicz, Clifford, Khandogin, Schroeder, Sims.

Degrees Offered
• Bachelor of Science
• Bachelor of Science in Biochemistry
• Bachelor of Science in Chemistry
• Master of Science
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

Programs for Academic Excellence
As part of the University-wide Honors Program, the Department of Chemistry and Biochemistry offers special sections of General Chemistry and Organic Chemistry specifically designed for participants in the Honors College. Smaller class sizes allow students to receive more individualized attention.

Opportunities for Undergraduate Research
Students who show particular ability are strongly encouraged to undertake a research problem as early as possible. Research problems are available in all areas of chemistry (analytical, inorganic, organic, physical, biochemistry, and chemical education). The research is carried out under supervision of the faculty member who agrees to direct the student’s research.
Special Facilities and Programs

The Department of Chemistry and Biochemistry currently has an exchange program with the Department of Chemistry at the Technical University of Berlin. The program is open to chemistry majors in their junior or senior year. Students must have compiled a 3.25 grade point average and have had the equivalent of two years of college-level German. The Department also has an exchange program with Blaise Pascal University in France for a collaborative M.S./Engineering degree.

Scholarships and Financial Aid

Students majoring in chemistry are eligible to apply for any of the general scholarships awarded by the University Scholarship Committee. Further information and applications for the general scholarships and other financial aid, such as Educational Opportunity Grants, may be obtained from the University of Oklahoma Office of Financial Aid Services.

Undergraduate Study

Students majoring in chemistry receive instruction, including laboratory experience, in all areas of chemistry. This provides necessary background for postgraduate studies or employment in the chemical industry or research laboratories.

The Department of Chemistry and Biochemistry offers three programs leading to a degree in chemistry and/or biochemistry.

Candidates for these degrees must earn at least a C grade in each chemistry course presented for major credit.

Duplicate credit is not allowed in the following courses: 1415 and 1425; 3013 and 3053; 3012 and 3152; 3421 and 3451; 3423 and 3453. Courses 1315, 1415, 1425, 1614 and 4232 may not be counted as major work.

BACHELOR OF SCIENCE IN BIOCHEMISTRY

This program is generally pursued by students interested in biochemistry and/or medical/life-sciences careers. Thirty-five hours beyond General Chemistry are required.

The required courses for this major are: 1315, 1415 or 1425, 3053, 3152, 3153, 3214, 3421, 3423, 3521, 3523, 3653, 3753, 4753, and 4913 or 4923 or 4933; BOT/MBIO/ZOO 4843; MATH 1823, 2423; and PHYS 2414, 2424 or 2514, 2524.

BACHELOR OF SCIENCE IN CHEMISTRY

This is the program pursued by students desiring the most comprehensive and complete undergraduate background in chemistry. Many such students pursue graduate studies in chemistry following graduation. This degree is fully accredited by the American Chemical Society. Thirty-nine hours beyond General Chemistry are required.

The following courses for this degree are: 1315, 1415 or 1425, 3053, 3152, 3153, 3214, 3421, 3423, 3521, 3523, 3653, 3753, 4753, and 4913 or 4923 or 4933; BOT/MBIO/ZOO 4843; MATH 1823, 2423; and PHYS 2414, 2424 or 2514, 2524.

BACHELOR OF SCIENCE Option

This program is generally pursued by students interested in studying science from a more interdisciplinary perspective. A minimum of 31 hours beyond General Chemistry are required for this degree.

The required courses for this degree are: 1315, 1415 or 1425, 3053, 3152, 3153, 3214, 3421 and 3423 or 3451 and 3453; one course from 3753, 4033, or 4444; nine hours from 3523, 3521, 3653, 4023, 4033, 4333, 4753, CEES 4114, and GEOL 3154 or GEOL 4970; and 4913 or 4923 or 4933; MATH 1823, 2423; and PHYS 2414, 2424, or 2514, 2524.

CHEMISTRY MINOR

Students majoring in other subjects may complete a minor in chemistry by completing 15 major credit hours of upper-division chemistry, of which no more than three credit hours may be independent study.

ADVISING

It is imperative for students considering a major in chemistry to contact the personnel in the Chemistry Advising Office (214 Chemistry Building Annex). Advisers work to ensure that students complete a program that meets their needs and are aware of career and graduate school opportunities. Advisers meet regularly with students.

Graduate Study

AREAS OF SPECIALIZATION

Students may specialize in one of the following major areas of chemistry: analytical, biological, inorganic, organic, physical and chemical education (or in any combination).

PREREQUISITES FOR FULL GRADUATE STANDING

Students who have satisfied the basic chemistry course requirements for a Bachelor of Science in Chemistry degree at the University of Oklahoma will have met the requirements for full graduate standing. Undergraduate majors from other institutions should meet departmental requirements as follows: the equivalent of courses 3053, 3152, 3153 (organic chemistry); 4023, 4033 (analytical chemistry); 3421, 3423, 3521, 3523 (physical chemistry) plus 4333 (inorganic chemistry). Deficiencies in these requirements may necessitate additional graduate coursework, and may increase the number of course credit hours required for an advanced degree.

SPECIAL REQUIREMENTS FOR GRADUATE STUDENTS

Proficiency examinations are given to all incoming graduate students during the University’s enrollment period at the beginning of the fall and spring semesters. There are five proficiency examinations, one each in the areas of biochemistry, inorganic, organic, analytical and physical chemistry. These examinations cover well-defined areas as outlined by the undergraduate chemistry courses and textbooks employed at major universities. It is extremely important that students realize the significance of these examinations, since they are used by the departmental Graduate Committee to ensure proper placement of each graduate student.

Master of Science Degree

The general requirements for the master’s degree in the Graduate College must be met. Within these limits the student works under the supervision of the research director, the graduate liaison, and the departmental Graduate Committee.

THESIS OPTION

Students interested in developing research capability in a particular area of chemistry and biochemistry usually select this option. If desired, students may take an interdisciplinary approach in their thesis. Minimum course requirements include completion of 15 credit hours in letter graded lecture courses at the 5000-6000 level in at least two of the five divisions.

NON-THESIS OPTION

This degree is generally selected by those students interested in obtaining an advanced degree in chemistry and biochemistry without research specialization. Minimum course requirements include completion of 21 credit hours in letter-graded lecture courses at the 5000-6000 level in at least three of the five divisions. A comprehensive oral examination is required.

Students who have passed the general examination for the Ph.D. degree may, on recommendation of the department, receive an M.S. degree (non-thesis option).
Master of Science (Chemical Education)
This degree deals with essential concepts in chemistry and effective methods and techniques for the teaching of these concepts. It is designed for the high school chemistry teacher working for an M.S. degree. The major course requirements include Chemistry 5013, 5023, 5033, 5203 and 5213, plus selected courses from the College of Education.

Doctor of Philosophy
The Ph.D. degree in chemistry and biochemistry is awarded for excellence in research scholarship. It signifies the attainment of independently acquired and comprehensive learning attesting to general professional competence.

Minimum course requirements for graduate degree candidates include the completion of a minimum of 21 credit hours in letter-graded lecture courses at the 5000 or 6000 level. At least nine credit hours must be taken in courses at the 5000 or 6000 level which are offered in two other divisions or departments outside of the student’s major division. If more than three hours of these general lecture course requirements are to be taken outside the Department of Chemistry and Biochemistry, approval must be given by both the Advisory Committee and the Graduate Committee. A minimum grade average of 3.00 (on a 4.00 scale) must be achieved for the first 21 credit hours taken which qualify as general lecture courses with no more than two grades below B allowed. Failure to meet these requirements will result in the student being terminated from the graduate program in chemistry and biochemistry. Students must also complete the specific courses required by their particular division.

Emphasis may be in one area or a combination of the areas of analytical, biochemistry, inorganic, organic, physical or chemical education. The student works under the general direction of the student’s major Professor and advisory committee. General examinations in the department consist of the writing and oral defense of a research proposition. Individual divisions within the department also have various additional requirements. Details on the requirements and general instructions to graduate students may be obtained from the Department of Chemistry and Biochemistry office, 208 Chemistry Building.

Department of Classics and Letters
Samuel J. Huskey, Chair
101 Kaufman Hall
Norman, OK 37019-2031
Phone: (405) 325-6921
FAX: (405) 325-7713
Internet: http://www.ou.edu/cas/classics/
e-mail: huskey@ou.edu

Faculty Roster
Professors Doty, Fears, Greene, Stanley; Associate Professor S. Huskey; Associate Professor Emeritus Catlin; Assistant Professors Butterfield, Harper, R. Huskey; Instructors Beck, Chambers, Coodin, Hansen, Rich, Wagner, Walker-Esbaugh; Lecturer Masopust.

Degree Offered
• Bachelor of Arts
• Bachelor of Arts in Letters

General Information
The Classics program is one of the original programs at the University of Oklahoma. Its purpose is to acquaint students with the major languages, the chief literary figures, and the cultures of ancient Greece and Rome. In addition to their study of these ancient civilizations, Classics majors also learn about the important role that the Classical tradition has played in shaping the literature, arts and general culture of Western civilization. Through its focus on the classical world, the program gives particular attention to the skills necessary for success in the information age: oral and written communication, independent and critical thinking, and the management and evaluation of information. Students also have the opportunity to participate in archaeological excavations at various sites in the Mediterranean region under the auspices of the Center for Classical Archaeology and Civilizations, which is housed in the Department of Classics and Letters.

Scholarships and Financial Aid
The Charles and Julie Daniels Study Abroad Scholarship has been established by Charles and Julie Daniels to provide financial assistance for Classics and Letters majors studying abroad.

The Jean Rhodes Herrick Scholarship has been established by the family, friends and former students of Jean Herrick, a long-time member of the Classics faculty, to honor an outstanding Classics major who plans to pursue a career in the teaching of Latin.

The Philip J. Nolan Scholarship in Classics and Letters has been established by the former students, colleagues and friends of Dr. Philip Jerome Nolan, who was Professor of Classics from 1953-1987, Director of the Letters Program from 1955-1978, and Chair of the Classics Department from 1959-1978. Two scholarships are awarded annually to outstanding senior undergraduate students majoring in Classics and Letters.

The Philip J. Nolan Scholarship Fund has been established by Marion and Dianne Bauman to honor the memory of Professor Philip J. Nolan by providing financial assistance for outstanding students majoring in Letters who have a financial need.
The Reid Phillips Memorial Scholarship has been established by the family of Letters alumnus, Reid Phillips, to provide financial assistance for outstanding students majoring in Letters.

The Mary Endo Williams Scholarship has been established by her son, Charles, to honor the memory of his mother, a long-time supporter of education in Oklahoma. This scholarship is awarded annually to an outstanding Classics or Letters major.

The Peggy Chambers Scholarship has been established by a Letters alumnus to honor Peggy Chambers for her excellence in teaching and advising. Two scholarships are awarded annually to juniors majoring in Letters.

The John H. Hansen Prize for Future Teachers of Latin has been established by John Hansen, an instructor in the Department of Classics and Letters, in honor of his father. This prize is awarded to students who have demonstrated a commitment to the teaching of Latin at the high school level in Oklahoma.

All of the above mentioned scholarships are awarded on the basis of academic achievement and financial need. Applications for the scholarships are available in the main office of the department and on its website.

---

**Classics**

Students majoring in Classics may choose a major concentration in Classical Languages (Greek and Latin) or Latin only.

In order to fulfill the requirements of a major concentration in Classical Languages, students must earn 56 hours of credit in Latin, Greek and Classical Culture courses including at least 18 hours numbered 3000 and above. Courses taken in related subjects must have prior approval of the Classics and Letters Department in order to be counted as major work. Advanced Standing, Advanced Placement, CLEP or similarly recognized credit for work prior to matriculating to the University may be counted toward the fulfillment of these requirements, up to a maximum of 16 credit hours.

In order to fulfill the requirements of a major concentration in Latin students must earn 46 credit hours in courses in Latin and Classical Culture including at least 24 hours numbered 3000 and above. Courses taken in related subjects must have prior approval of the Classics and Letters Department in order to be counted as major work. Advanced Standing, Advanced Placement, CLEP or similarly recognized credit for work prior to matriculating to the University may be counted toward the fulfillment of these requirements, up to a maximum of 16 credit hours.

---

**Letters**

A candidate for graduation with the degree of Bachelor of Arts in Letters must achieve a combined retention grade point average of 3.00 or better, computed on the basis of the last 90 hours. Students who meet all requirements of this program with the exception of the minimum grade average requirement may be graduated with the degree of Bachelor of Arts.

In addition to fulfilling the general requirements of the University and the College of Arts and Sciences, students must complete 36 semester hours of major credit courses in each of three areas: history (which may include History of Science), literature (which includes work in Classics, English, and Modern Languages, Literatures, and Linguistics), and philosophy (which may also include work in specified courses in Political Science and Religious Studies). Letters courses (i.e., those designated as LTRS), depending on their content, may count in any of the areas. Students must earn a minimum of nine hours credit in each area, and 27 of their 36 total hours must be earned in upper-division courses. Students must also complete supporting courses in one ancient and one modern language either at the secondary or collegiate level. They must complete at least two intermediate-level courses in one of the languages and at least one intermediate-level course in the other. A supporting course in the history or appreciation of one of the fine arts is also required.

Letters majors may fulfill the capstone requirement in the Letters capstone courses or they may take the capstone in one of the participating departments including Classics, History, English or Philosophy.

---

**Minors**

**CLASSICAL CULTURE MINOR**

Students wishing to minor in Classical Culture must earn 15 credit hours in classical culture courses, 12 of which must be earned in upper-division courses numbered 3000 or above. Three hours of credit in related courses may be substituted for work in classical culture with the permission of the department. Classical Culture 2412 may not be counted toward the minor.

**LATIN AND GREEK MINOR**

Students wishing to minor in Latin or Greek must earn 15 hours in Latin or Greek courses numbered 2000 and above. A minimum of nine hours must be at the upper-division level. Students may substitute three hours in an upper-division classical culture course for three hours of Latin or Greek.

---

**Department of Communication**

Michael W. Kramer, Chair
Amy Johnson, Graduate Liaison
101 Burton Hall
Norman, OK 73019-2081
Phone: (405) 325-3111
FAX: (405) 325-7625
Internet: http://www.ou.edu/cas/deptcomm/

**Faculty Roster**

Professors Kim, E. Kramer, Rodriguez, Wright; Associate Professors Edy, Hansen, Hsieh, Johnson, Meirick, Miller, Sandel; Assistant Professors Banas, Bisel, Foster, Wong.

**Degrees Offered**

- Bachelor of Arts
- Master of Arts
- Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

**General Information**

The ability to communicate clearly, eloquently, and effectively has been the hallmark of an educated person since the beginning of recorded history. At the University of Oklahoma, the study of communication has been a part of the curriculum since 1896. Offering B.A. degrees starting in 1935, M.A. degrees in 1937, and Ph.D. degrees in 1952, OU’s Department of Communication views communicative behavior as basic to human activity — to individual development, to interpersonal and social relationships, and to the functioning of political, economic, cultural, and social institutions. Through research and theory-building, we seek to interpret how individuals use symbols to understand and act within their environment.

The department’s role as one of the communication discipline’s most prestigious departments in a domain of great pragmatic importance commits us to a multi-level teaching program. Our Ph.D. and M.A. programs seek to place graduates in both academic settings with research and educational responsibilities and in non-academic settings in business and industry. Our
undergraduate program seeks to prepare majors for diverse career opportunities, prepare gifted students for advanced work, and develop the communication skills that contribute to the long-term advancement and happiness of all students.

**Special Facilities and Programs**

Students acquire meaningful job experience while earning college credit through the Department of Communication’s internship program. The program allows students to apply their communication knowledge in the working world and enhance their college and career opportunities. Students have the option of choosing positions offered through the department’s internship director or arranging for their own internships with the assistance of the internship adviser. The University also provides internship and career counseling through its office of Career Services.

Participation in communication organizations gives students an opportunity to meet others in their major as well as gain increased access to faculty, alumni and other professionals in the field. The Undergraduate Communication Association is open to all communication majors and minors, and Lambda Pi Eta, the department’s honor society, recognizes outstanding students in communication.

The department houses a nationally-recognized speech and debate program. By enrolling in Communication 2111, students can receive up to four credit hours while participating in local, regional and national speech and debate events.

The Department of Communication also includes the Political Communication Center which houses the world’s largest collection of political commercials with more than 100,000 films, videos, and audio recordings representing campaigns ranging from presidential races to city council elections. The commercials, dating back to 1952, make an important contribution to the study of communication and politics. The Center also coordinates research projects on political communication and sponsors conferences that bring together students, scholars, political figures, and media professionals to discuss important topics.

---

**Undergraduate Study**

The goal of the undergraduate major program is sharing the best available theories of communication and facilitating the application of these theories for:
- the improvement of the major’s communication skills,
- the major’s understanding of the communication process, and
- the ability of the major to analyze and interpret the elements of the communication processes as they occur in society.

The department strives to achieve these objectives through varied coursework designed to prepare students for the variety of careers available to communication graduates, through practical field experiences obtained from an internship program, and through practical experience in other departmental programs.

Graduates from the program are employed in a wide variety of people-oriented careers including management, community leadership, public relations, sales, and organizational and human resource development. Our on-going transition to an information-based society makes the skills of our majors highly valued by employers. As Roger B. Smith, former General Motors Chief Executive, noted: “Everything we do depends on the successful transfer of meaning from one person or group to another. In fact, it's not much of an exaggeration to say that communication is really what business is all about.”

**BACHELOR OF ARTS DEGREE**

The undergraduate major requires 36 communication hours including 21 upper-division hours. The undergraduate program of study follows a four-step sequence:
1) COMM 1113, 2613, and a statistics course chosen from 2513, ECON 2843, PSY 2003, or SOC 3123; 2) COMM 2713, 3023, and 18 hours of COMM electives, 12 hours of which must be upper-division; and 4) COMM 4713.

Students are required to make a C or better in COMM 2713, 3023, and 4713, and each may be repeated only once to attain the required grade. These courses are not available through correspondence or transfer credit. COMM 2513 may fulfill a student’s General Education mathematics requirement; however, if taken to fulfill the math requirement, COMM 2513 cannot be counted as a lower-division communication elective course. The remaining 18-21 hours of communication coursework depending on the use of COMM 2513, must be taken from other communication elective course offerings.

**MINOR**

Students majoring in other programs may complete a minor in communication. The minor consists of a minimum of 21 hours of courses including: (1) 1113; (2) 2713; (3) a minimum of 15 additional hours, of which at least nine must be upper-division level; and (4) 4990 may count for no more than three hours of the minor. At least six hours must be earned in courses acceptable for residence credit by Arts and Sciences standards, that is, excluding transfer, correspondence, and advanced placement examination (AP, CLEP, Advanced Standing) credit. Courses for the minor may not be taken Pass/No Pass.

---

**Graduate Study**

**AREAS OF SPECIALIZATION**

Social Influence/Interpersonal, Language and Social Interaction, Political/Mass Media, Health, and Intercultural/International are the five areas of specialization for M.A. and Ph.D. students.

**PREREQUISITES FOR FULL GRADUATE STANDING**

In addition to meeting the general requirements of the Graduate College, the students should have completed 15 hours of undergraduate courses in communication and a course in statistics. The department requires a 3.50 grade point average on master’s work for admission in full standing to the Ph.D. program and a 3.00 grade point average on the last 60 hours of undergraduate work for admission to the master’s program. Applicants to the Ph.D. program should submit a composite score of at least 1000 (verbal and quantitative combined) on the Graduate Record Examination. Graduate Record Examinations are not required for M.A. applicants unless they are requesting an assistantship. A writing sample (e.g., thesis or term paper) is also required. Conditional admission may be granted to students with lower grade point averages when other data warrant such admission.

**REVIEW**

All graduate students are formally evaluated by the entire graduate faculty each year. The Ph.D. program is research-oriented. The student is expected to be continuously involved in research so that throughout the program there is growth in the ability to do creative and independent research.

**MASTER OF ARTS DEGREE**

Two core courses are required: 5013, and either 5003 or 5313. The thesis master’s degree requires 26 hours of coursework and four hours of thesis (5980). A total of 30 hours is required for thesis option, including the two required courses plus thesis and oral examination. The nonthesis master’s degree requires 32 hours including the two required courses plus a comprehensive examination.

**DOCTOR OF PHILOSOPHY DEGREE**

Ph.D. students must complete a minimum of 90 hours of coursework beyond the baccalaureate degree. Ph.D. students must complete the following required hours: COMM 5003, 5013, 5033, 5313, 5323, 6023 (6-9 hours), and 6314 and 32 hours of coursework in a major concentration. Two tools must be COMM 5033 and 5323; the student’s advisory committee may assign remaining research tools (6-9 hour total) if deemed necessary. Dissertation hours, COMM 6980, are included in the minimum 90 hours. A student must take dissertation credit for a minimum of two hours but not to exceed 15 hours. The Ph.D. student will have an advisory committee of no
fewer than five, one of whom must be from outside the Communication Department. This committee may require courses other than the core courses for the student. The Report of the Advisory Conference should be approved and filed by the end of the student’s first year of work. A General Examination preliminary to advancement to candidacy must be successfully completed. During candidacy, the student must complete an acceptable dissertation and the Final Oral Examination. Detailed policies can be found in the Department’s graduate document.

Department of Economics

Alexander Holmes, Chair
Cynthia Rogers, Graduate Liaison
329 Hester Hall
Norman, OK 73019-2103
Phone: (405) 325-2861
FAX: (405) 325-5842
Internet: http://www.ou.edu/cas/econ/

Faculty Roster
Professors K. Grier, R. Grier, Hartigan, A. Holmes, Kondonassis; Associate Professor Clark, Ju, Keen, Kosmopoulou, Rogers; Assistant Professors Burge, Demir, Lamarche, Liu, Mitra.

Degrees Offered
• Bachelor of Arts
• Bachelor of Business Administration
• Master of Arts
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

Student Organizations
OMICRON DELTA EPSILON
Both undergraduate and graduate students who have demonstrated their scholastic excellence are eligible for membership in this international economics honor society.

Scholarships, Awards, and Financial Aid
Robert Dean Bass Scholarship
The College of Arts and Sciences awards the Robert Dean Bass Scholarship to students in political science and economics who plan on careers in government.

Virgil Wilhite Award For Excellence In Economics
The College of Business Administration gives this award to the outstanding undergraduate or graduate student majoring in economics.

Undergraduate Teaching Assistantships
Selected undergraduates work as teaching assistants in discussion sections of core principles courses (macroeconomics, microeconomics, and statistics). Undergraduate T.A.’s receive three credit hours per semester taught. Cash stipends are awarded subject to availability of funds.

Undergraduate Study

Students may major in economics either through the College of Arts and Sciences or the Price College of Business. Students interested in majoring in economics through the Price College of Business follow the degree plan leading to the Bachelor of Business Administration which is described in the section of this catalog dealing with the Price College of Business.

The degree program leading to the Bachelor of Arts is offered by the College of Arts and Sciences. The major program requires 30 hours of major work in economics with at least 15 of these hours taken at the upper-division level. Economics 1113, 1123, 2843, 3113, 3133, and 4983 must be included in the major work. Mathematics 1743 or 1823, 2123 or 2423 are also required. Finance 3403 may be counted as major work in economics in the College of Arts and Sciences.

Economics majors must earn grades of C or better in each course in the major work and major support requirements. Students will be required to achieve and maintain a minimum 2.25 GPA in the major, OU retention and combined retention for admission to the program, continued participation in the program and to earn the degree.

MINOR
The minor requires at least 15 hours of major credit coursework in economics. At least nine of the 15 hours must be completed at the upper-division level. Subject to the approval of the Department of Economics, courses that are acceptable substitutes for the major are acceptable in the minor.

Graduate Study

AREAS OF SPECIALIZATION
Industrial organization; international, development economics; and public economics.

REQUIREMENTS FOR ADMISSION
Admission to the graduate program in economics is based on undergraduate academic records, letters of recommendation, and the Graduate Record Examination (GRE). Applicants for the Ph.D. degree in economics, and the research track of the M.A. degree in economics are required to complete the following coursework prior to matriculation in the graduate program:
• Intermediate Microeconomics (Price Theory) and Intermediate Macroeconomics;
• two semesters of calculus or equivalent; and
• one semester of basic statistics or its equivalent.

Applicants for the managerial economics track of the M.A. degree in economics are encouraged, but not required, to have previous coursework in economics, particularly intermediate microeconomics (price theory) and intermediate macroeconomics.

GRADUATE SCHOLARSHIPS
The Department of Economics offers the Chong K. Liew Scholarship, the A. J. Kondonassis Scholarship, and the Chairman’s Scholarship to graduate students in economics. Please contact the department for more information.

Master of Arts Degree
Each candidate for the Master of Arts degree in economics can choose the applied economics track or the managerial economics track. The applied economics track is designed to prepare students either for further graduate study leading to the Ph.D. degree in economics or for those technical positions in business or government that require a high degree of analytical competency. The managerial economics track is designed to equip students for entry into administrative and other positions in business or government. Candidates for both tracks may choose either a thesis or nonthesis program.

The nonthesis program for the applied economics track of the M.A. degree requires 36 semester hours. Courses include: ECON 5153, 5123, 5163, 5213, 5853, 6213, 6313, and 5233, 5313, 5243 and 5373. In addition,
students must score a M.A. pass or better on the department’s economic core examination (see below).

The nonthesis program for the managerial economics track of the M.A. degree requires 32 semester hours. Courses include ECON 5023, 5033, 5073, 5940, and either 5043, 5373, 5833 or 5990.

In accordance with the requirements of the University, all master’s students must also successfully pass a comprehensive examination.

**Doctor of Philosophy Degree**

The requirements for the Doctor of Philosophy degree in economics include the following:

**CORE COURSE REQUIREMENTS**

The economics core consists of an economic theory and a statistics/econometrics component. The following courses are required:

1. **Microeconomic Theory:** ECON 5123, 6213.
2. **Math/Statistics/Econometrics:** ECON 5153, 5213.
3. **Macroeconomic Theory:** ECON 5163, 6313.
4. **Advanced Econometrics:** ECON 5243, 6343.

The first three core course requirements will be completed during the first year in the graduate program. During the week prior to the beginning of the third semester a core examination is given over the contents of the economics core courses listed above. This examination is in three parts, microeconomic theory, macro-economic theory, and statistics/econometrics. All parts must be passed at the Ph.D. level (grades are Ph.D. pass, M.A. pass, fail). If any parts are not passed, that part or parts must be retaken during the week prior to the beginning of the fourth semester. The reexamination is automatically permitted.

During the week prior to the fifth semester a second core examination is given over the contents of the fourth course requirements and one field of specialization. Grades for this examination are Pass and Fail, and are assigned for each part. Both parts of the exam must be passed. One opportunity to retake the second qualifying exam is allowed during the week prior to the beginning of the sixth semester.

**FIELDS OF SPECIALIZATION**

The fields of specialization are designed to develop an in-depth knowledge of the theory and literature in specific subject areas. Because they prepare the student to become an active researcher in those fields, they are potential areas for a dissertation. Two fields of specialization are required. Each student must choose their fields from the following areas: industrial organization, international economics, development economics, and public economics. To claim a field, students must successfully complete two (Ph.D.-level) courses in that field of specialization, and pass both a written and oral examination testing proficiency in the respective subject area. These written and oral examinations shall serve to satisfy the University’s general examination requirement.

Students must also pass a General Examination as required by the Graduate College. With special permission from the Graduate Program Director, the General Exam may be taken during the semester following coursework completion, typically the spring semester of the third year. Students must form a five-faculty member Doctoral Committee prior to taking the General Exam. The general exam is given on approval of the Doctoral Committee. The General Exam consists of both a written and oral portion. The written exam is designed by the student’s Doctoral Committee to test the student’s mastery of his/her field of specialization and proposed dissertation topic. Committee members will provide guidance as to the material covered by the written exam. If the performance is adequate on the written exam, an oral exam will be scheduled. The General Examination is completed when the oral exam has been passed.

**DISSERTATION**

In order to facilitate the transition from formal coursework to dissertation research, each student is required to enroll in Economics 5960 during the spring semester of the third year. The student will select one professor to direct his/her study in this course. In most cases, this professor will be the faculty member who has agreed to serve as dissertation chairman. The objective of this course is to lead the student to define a dissertation topic.

After passing the field examinations, the student will prepare a written dissertation prospectus and submit it to the advisory committee. Upon approval of the prospectus, the student will undertake research on the approved dissertation topic. The department requires that the dissertation be completed and accepted and the final oral examination passed no later than five calendar years after the student successfully passes the field examinations.

---

**Department of English**

**David Mair, Chair**

**Timothy Murphy, Graduate Liaison**

113 Gittinger Hall
Norman, OK 73019-2021

Phone: (405) 325-4661
FAX: (405) 325-0831

Internet: [http://www.ou.edu/cas/english/](http://www.ou.edu/cas/english/)

**Faculty Roster**

Professors Bannet, Cottom, R.C. Davis, Hobbs, Leitch, Rapf, Schleifer, Veile, Welch, Yoch; Associate Professors Carter, Coleman, Carofoalo, Holson, Hodges, Jeffers, John, Kamau, Kates, Keresztesi, Mair, McDonald, Murphy, Ng, Ransom, Sawaya; Assistant Professors Anderson, Bain, Nelson, Roppolo, Stalling, Zeigler.

**Degrees Offered**

- Bachelor of Arts
- Master of Arts
- Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

---

**Undergraduate Study**

**BACHELOR OF ARTS**

Over the last several years, the field of literary studies has changed dramatically. Across the nation English departments have begun to offer courses that encourage students to examine previously neglected texts and media in provocative and innovative ways. At the University of Oklahoma, we have responded to these developments by designing a program that enables majors to explore various options for the study of literature, written communication, and culture.

While we continue to teach classes in which we use the tools of literary analysis to study time-honored texts in the Western tradition, we also provide courses in which we use critical approaches of recent origin — historical, feminist, cross-cultural, among others — to examine a wide range of works that lie outside the boundaries of what is usually considered great literature. By offering a curriculum that is both novel and traditional, we encourage our majors to make informed decisions concerning interpretive practices that they will find valuable in any field they enter after graduation.

Study in the field of English Language and Literature offers a general humanistic education as well as skills in communication and analysis that are essential in most careers. An education in literature, criticism and language teaches students to write effectively and expressively, to think critically, to weigh values, and to communicate ideas. It provides the basis to understand and communicate with those of different cultural backgrounds, to understand the terms in which they think and speak. These skills are essential in the global market places of today and improve one’s chances of obtaining employment in a wide variety of fields.
A major in English prepares a student to work in communications, public relations, government and public service, sales, publishing, journalism, advertising, and business. It is an excellent background for teaching, and can be coordinated with a program of teacher certification. It is a highly useful major for a student considering business or law school. It provides a suitable preparation for graduate work in literature and other humanistic studies. The variety of talents among the English faculty and the various options within the major make it possible for students to shape their own programs flexibly according to their interests.

TRACKS

English majors choose one track in (1) literary and cultural studies, or (2) writing. For both tracks, majors are required to take six hours of survey courses (2433/2443, 2543/2553, or 2773/2883), two courses in literary and cultural studies (2313 and 3313), and a senior capstone course (4853).

Track 1: Literary and Cultural Studies

In this track students study literary works, movements, genres, themes, and writers in their cultural contexts. Courses emphasize reading, story, communication, language, and historical and cultural events. Students are afforded maximum flexibility in planning their degree programs. They elect seven courses distributed over at least four of six areas and may choose to take four of those courses in one area. These areas are: Medieval/Renaissance Literature, Early Modern and Contemporary British Literature, American Literatures, World Literatures, Genres and Media, and Theory, Criticism, and Cultural Studies. Students may elect a writing course as one of the seven. One of the seven courses selected must be designated multicultural.

Track 2: Writing

The writing track studies theories of written communication; students practice them extensively in various writing contexts; and explore issues concerning literacy, language, and the relation of writing to different cultures. Students elect four writing courses (three of which must be upper division) from the following: 2113 Intermediate Writing; 2123 Creative Writing; 2133 Autobiographical Writing; 3103 Topics in Advanced Composition; 3123 Fiction Writing; 3133 Poetry Writing; 3143 Studies in Literary and Rhetoric; 3163 Writing, Rhetoric and Histories of Technology; 3173 Histories-Writing, Rhetoric and Technology; 3183 Authoring in the Information Age; 3223 Oklahoma Writers/Writing Oklahoma; 4923 Advanced Fiction Writing; 4933 Advanced Poetry Writing, and 4943 Advanced Creative Nonfiction Writing. Writing track students also take three literature courses with one of those designated multicultural.

MULTICULTURAL REQUIREMENT

The department strongly believes all English majors should have at least some exposure to literatures other than those from the Anglo-European tradition. Therefore, all English majors are required to take at least one English course classified as Multicultural Studies. Currently 16 courses are so designated (2713, 2733, 2743, 3253, 3283, 3343, 3353, 3433, 3453, 3483, 3643, 4033, 4323, 4343, 4373, and 4383).

LANGUAGE REQUIREMENT

Proficiency in one language other than English is required as demonstrated by departmental examination or by successful completion of two intermediate courses in an ancient or modern language (with a grade of C or better in the second course). The department may also accept transfer credit to satisfy this requirement.

ACCELERATED B.A./M.A. DEGREE

The Department of English offers an accelerated degree program (BA/MA) to qualified undergraduate students. The program allows students to pursue a graduate degree in conjunction with the undergraduate degree requirements. Students admitted into this program can use up to 2 courses (6 hours) to simultaneously satisfy the requirements of both the B.A. and M.A. degrees. Students generally apply for the program in their junior year (with 60-75 hours of college credit earned).

LANGUAGE ARTS CERTIFICATE

Students majoring in English may also work for the standard teaching certificate in language arts. Students in the language arts program must meet all of the requirements of the English major, and a few additional specifications. Information concerning the teaching certificate programs can be found in this catalog under the College of Education. Detailed checklists of degree requirements and advisers with whom students can discuss programs of study are available in the college office.

MINORS

Students majoring in other subjects may elect to complete a minor in English either in literary and cultural studies, and/or writing. The requirements for these minors are:

Minor in Literary and Cultural Studies

A minimum of 15 hours in literary and cultural studies beyond the first-year level, at least nine of which will be upper-division. Students may not apply hours from first-year English (1113, 1213) or from English courses designated as writing courses to a minor in literary and cultural studies.

Minor in Writing

A minimum of 15 hours in writing courses beyond the first-year level, at least nine hours of which will be upper-division. Writing courses that fulfill the requirements for the minor are: 2113, 2123, 2133, 3103, 3123, 3133, 3143, 3163, 3173, 3183, 3223, 4923, 4933, and 4943.

COURSES FOR NON-MAJORS

Since its subject matter has wide appeal to non-majors as well as majors, the Department of English devotes a substantial portion of its staff and budget to the instruction of those who are majors in other fields. In addition to the first-year English courses, the department offers courses in literary and cultural studies as well as writing.

1. Literary and Cultural Studies. Non-majors are welcome in general education courses.
2. Writing. For those students who desire additional or specialized instruction in writing and language, the department offers a variety of courses in expository and creative writing beyond the freshman composition level (1913, 2113, 2123, 2133, 3103, 3123, 3133, 3143, 3153, 3163, 3173, 3183, 4923, 4933, and 4943).

Graduate Study

APPLICATION PROCEDURE

At the time of application for admission to the University, an English departmental application form, three letters of scholastic recommendation, statement of goals in graduate education with reasons for choice of Area of Concentration (or Primary and Secondary Areas), sample of writing appropriate to program and scores on the aptitude section (M.A.) or aptitude and advanced sections (Ph.D.) of the G.R.E. should be sent to the graduate liaison, Department of English, University of Oklahoma, 760 Van Vleet Oval, Norman, OK 73019-2021. Also, applications for graduate assistantships may be obtained from the graduate liaison in the Department of English.

PREREQUISITES FOR FULL GRADUATE STANDING

For full graduate standing, the department requires a B.A. degree in English from an accredited institution. The student’s undergraduate record should indicate adequate course preparation in composition, language studies, and literature. For full graduate standing, those students holding baccalaureate degrees in disciplines other than English from an accredited institution should have had 15 semester hours in English or appropriate courses in closely related fields, six hours of which must be upper-division (junior/senior level). Such students with non-English degrees may be asked to complete undergraduate English courses necessary for successful graduate study in English.
AREAS OF CONCENTRATION
At the M.A. level the department offers the following areas of concentration: American Studies; Native American Literature; Composition, Rhetoric, Literacy; Creative Writing; Gender Studies; Medieval and Early Modern Studies; Later British and Anglophone Literary and Cultural Studies; Theory, Media and Cultural Studies. Ph.D. areas are the same as M.A. with the exception of Creative Writing, which is not offered at the Ph.D. level. At the time of application doctoral students declare one Primary Area and one Secondary Area.

FOREIGN LANGUAGE REQUIREMENT
Candidates for the M.A. degree must demonstrate reading proficiency in one foreign language. Reading knowledge of two foreign languages is required for the Ph.D. degree. Students may choose from the following languages: Chinese, French, German, Greek, Hebrew, Italian, Japanese, Latin, Russian, Spanish or a Native American language. Under certain circumstances, the Graduate Committee may authorize the substitution of another language or may require an additional language. Proficiency in a foreign language may be established by one of the following:
1. by passing the ETS (Princeton) test in the language;
2. by passing a translation exam administered by the Department of Modern Languages, Literatures and Linguistics at the University of Oklahoma;
3. by earning at least a bachelor’s degree from a foreign institution in which instruction was in one of the required languages; or
4. by earning a grade of B or better in two 3-hour reading courses in the language (e.g., French 2113-2223) either by enrollment in the courses or by taking only the final examination in the second course of the selected sequence.

Master of Arts Degree
Candidates have the option of either a 33-hour thesis program or a 33-hour program with a comprehensive examination. A Masters in Literary and Cultural Studies requires one course in Literary Criticism and Theory; one course in Composition, Rhetoric, and Literacy; two courses in a primary concentration at the 5000 or 6000 level; and five courses distributed across three other areas of concentration. A Masters in Composition, Literacy, and Literacy (CRL) requires a course in Introduction to Issues in CRL; a course in Teaching College Composition and Literature; a course in the History of Rhetoric/Composition Theory or in the History of Modern Composition Studies; a course in Literary Criticism and Theory; two courses in Literary and Cultural Studies concentrations; and three elective courses. For both Masters degrees, one English course may be at the 4000 level, but the other coursework must be at the 5000 or 6000 level. Candidates pursuing the nonthesis option will take the M.A. Comprehensive Exam.

Doctor of Philosophy
The Ph.D. degree requires 57 hours beyond the 33 hours of the M.A., or 90 hours beyond the B.A. A degree in Literary and Cultural Studies requires one course in Literary Criticism and Theory; four courses in the primary area at the 5000- or 6000-level; two courses in the secondary area; and one course in three different areas other than the primary and secondary areas. A concentration in Composition/Rhetoric/Literacy Studies requires one course in research methods in Rhetoric and Composition (a 6000-level seminar); four other courses in CRL, two of which must be in history of composition or rhetorical theory at the 5000-level, and one of which must be a research seminar in CRL at the 6000-level; two 5000 or 6000-level courses in Literary and Cultural Studies. The remaining courses for both Literary and Cultural Studies as well as Composition/Rhetoric/Literacy Studies are electives.

The Ph.D. program requires a general examination which includes both a written and oral component, and a dissertation. The written component of the general examination consists of two parts which focus on the student’s primary and secondary areas of study. In addition, doctoral students must teach at least half-time at the college level for one year in order to receive the Ph.D. degree.

Film and Video Studies
Victoria M. Sturtevant, Ph.D., Director
300 Wallace Old Science Hall
Norman, OK 73019-2009
Phone: (405) 325-3020
FAX: (405) 325-7135
Internet: http://www.ou.edu/fvs/
e-mail: fvs@ou.edu

Faculty Roster
Professor Horton; Associate Professors Nedeljkovich, Shary, Sturtevant.

Degree Offered
• Bachelor of Arts

Undergraduate Study

BACHELOR OF ARTS
The undergraduate degree in Film and Video Studies is an interdisciplinary course of study that provides a comprehensive background to both the scholarly and practical study of the moving image. The curriculum covers the history, theory, criticism, art, and practice of film and other screen media through its core course requirements. Students will learn the skills needed to interpret film and other screen media critically, and “to read” and write about them creatively and analytically. Courses will also focus on social, political, cultural, and economic contexts. Interdisciplinary electives in the major allow students the flexibility to pursue their specific interests, be they film and video studies, writing about film, screenwriting, or production. Students may select from a wide variety of courses in Art, English, Film and Video Studies, History, Journalism and Mass Communication, and Modern Languages, Literatures, and Linguistics as well as approved courses from other academic units. Coursework can be reinforced by internships and research opportunities available within the United States and abroad, as well as through workshops, symposia, and special guests on campus.

The Film and Video Studies major requires 39 hours of coursework, including 18 hours at the upper-division level. All Film and Video Studies majors must complete a core curriculum of 18 hours. The remaining 21 hours must be completed from a selection of approved courses from film literature, documentary film, film scriptwriting, visual communication, filmmaking, video production, television or film performance, and other courses as approved.

MINOR
The minor in Film and Video Studies consists of 18 hours to include six hours of specific coursework and 12 hours chosen from courses approved for the major in Film and Video Studies.

Graduate Study
Graduate programs in Film and Video Studies may be constructed according to the standard interdisciplinary degree procedures of the Graduate College (refer to the sections entitled Special Master’s Degree and Interdisciplinary Doctoral Program in the Graduate College portion of this catalog). Participating members of the Film and Video Studies faculty are available to assist with degree planning at the master’s or Ph.D. Levels.
Department of Health and Exercise Science

Michael G. Bemben, Chair
Joel T. Cramer, Graduate Liaison
1401 Asp Avenue, Room 104
Norman, OK 73019-6081
Phone: (405) 325-5211
FAX: (405) 325-0594
Internet: http://hes.ou.edu
e-mail: dianemcbride@ou.edu

Faculty Roster
Professors: D. Bemben, M. Bemben; Associate Professors Hofford, Stout, Taylor; Assistant Professors Beck, Brittain, Cramer, Kerksick.

Degrees Offered
• Bachelor of Science in Health and Exercise Science
• Master of Science
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the information contained in this section primarily covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

General Information
A growing responsibility of the University of Oklahoma is meeting the needs of a changing society by proposing theoretical and practical solutions to contemporary problems. The Department of Health and Exercise Science contributes to this mission through teaching, research, and service activities in the areas of exercise science and health promotion.

The undergraduate program consists of a single core curriculum emphasizing applied science and professional preparation. The core is combined with an elective block that is sufficient enough to allow students to develop strong preparation in an area of personal interest related to health and exercise. A minor is also available for non-HES majors at the undergraduate level. The master’s degree program consists of three degree options: Health and Exercise Science, Exercise Physiology, and Health Promotion. The department also offers two doctoral degrees in Exercise Physiology or Health Promotion.

The department encourages participation in the Honors College, departmental research projects, internship and fieldwork experiences, certifications, and membership and participation in professional organizations and societies. All such activities are designed to enhance the basic academic preparation associated with coursework in the core and elective blocks.

Programs for Academic Excellence
The Department of Health and Exercise Science supports the position that students should receive both broad educational preparation and disciplinary specialization in order to prepare effectively for future professional demands. This includes: strong general education preparation with an emphasis in biological and behavioral sciences; a core of requisite coursework in HES; and an individualized block of elective coursework.

The department is equally proud of preparation and academic standards at the graduate level. The graduate program is demanding and comparable to programs at peer institutions which have much larger student populations.

Facilities
The Department of Health and Exercise Science is located in the Huston Huffman Recreational Services Center, which opened in 1981. The department is housed in the west wing of the building and maintains classrooms, research laboratories, and faculty and graduate student offices. The east wing of the building houses the student recreation and intramural activity areas. The department recently acquired approximately 3500 square feet in the old Collums Commissary for additional teaching and research laboratories.

The department encourages interdisciplinary study and research. Students interested in special projects may also have access to facilities housed in Recreational Services, the Athletic Department, the Oklahoma Center for Continuing Education, Goddard Health Center, and OU Health Sciences Center sites. In addition, faculty and students frequently interact with members of other University academic units in the Colleges of Arts and Sciences, Business, Education, Engineering, Medicine, Public Health, and Allied Health.

Scholarships and Financial Aid
The department offers the Mary Anne Price and Virginia Morris Undergraduate Merit Scholarships and the Glen Michael Sims Memorial Graduate Merit Scholarship. Application is restricted to HES majors. Students should contact the department for further information and applications at 1401 Asp Avenue, Room 104, Norman, OK 73019-6081, (405)325-5211.

Students accepted in the HES graduate programs are eligible for financial aid in the form of teaching and research assistantships. The stipend ranges from $10,150-$10,900 for master’s level and from $14,040-$15,600 for doctoral level graduate assistants for 20 hours per week during the nine month academic year. Qualified graduate assistants also receive a non-resident tuition waiver (up to nine credit hours) and a resident tuition waiver (up to seven credit hours) during the Fall and Spring semesters. All students should seek advice from the University of Oklahoma Financial Aid Services Office.

Undergraduate Study
Since the Fall Semester of 1999, majors have been selected for matriculation into the upper division undergraduate core curriculum from a pool of students who have completed the pre-requisite coursework identified as “Pre-HES.” Approximately ninety (90) students per year will be selected for matriculation based on the criteria listed below. Other criteria for selection in addition to completion of prerequisite courses are 1) prerequisite course GPA and 2) combined retention GPA. Pre-registration and career advisement for those students who declare the Pre-HES curriculum will be conducted within the department by designated advisers. Please contact the HES support staff for additional information.

Application Information and Criteria for Matriculation
1. Application for admission will be accepted two times per year. Deadline for application for the following Fall semester is January 30 and for the following Spring semester is September 30 of each year.
2. Minimum eligibility requirements for application:
   a. a minimum combined retention and prerequisite course grade point average of 2.75;
   b. 60 credit hours completed prior to enrollment in the semester after admission to HES and a minimum of 45 hours completed at the time of application;
   c. completion of the following prerequisite courses with a grade of C or better — (Note: all prerequisite courses must be completed prior to application to the program):
      HES 2131, 2823, 2913;
      ZOO 1114 (or 1005), 1121, 2124, and 2255 (or 2234);
      CHEM 1315;
      PSY 1113 or equivalent;
      SOC 1113 or equivalent;
      COMM 1113 or 2613 or 3483;
      ENGL 1113 and ENGL 1213 or EXPO 1213; and
MATH 1503 or higher.
3. Matriculation ranking based on combined retention GPA and prerequisite course GPA (as defined above).
4. Students who do not meet minimum eligibility requirements for matriculation may petition the HES Undergraduate Committee for an exception.

**Bachelor of Science in Health and Exercise Science**

The Health and Exercise Science major program is designed to meet the needs of students who plan to work in specialized health and exercise careers, and to prepare students for graduate studies in Health and Exercise Science or related fields. Progress toward the degree can best be facilitated through regular advisement with department faculty and advisers. Students should be aware that all courses are not offered every semester. The department office will provide degree plans, checksheets, and assignment of an adviser upon request.

The HES core includes the following courses: HES 3513, Health Promotion Program Planning; 3563, Lifestyle Intervention; 3813, Principles of Health and Fitness; 3823, Physiology of Exercise; either 3853, Exercise Testing and Prescription or 4833, Exercise Physiology Lab; either 4543, Comprehensive Stress Management or 4853, Chronic Disease Intervention; 4953, Senior Capstone; and two 1000-level HES lifetime activity courses. In addition to completion of the required core courses, students are required to complete a minimum 15 hours of upper-division HES elective coursework.

An HES major must complete a minimum of 45 hours of major coursework with at least 36 of these hours at the upper-division level. Selection for matriculation to the upper-division core curriculum is required in order to enroll in all 3000- and 4000-level Health and Exercise Science core courses. Students not selected for matriculation may enroll in other 3000- and 4000-level Health and Exercise Science elective courses if they otherwise meet the course prerequisite requirements. HES majors must earn grades of C or better in all HES and prerequisite courses to be considered for graduation.

**SERVICE COURSES**

HES courses numbered below 2000 (except HES 1823, Scientific Principles of Health and Disease) are basic skills courses which include the teaching of specific skills, rules and regulations when appropriate, and nomenclature of a sport or recreational activity. The basic skills courses represent lifetime health, fitness and leisure activities to enhance the lifestyle of all participants. All basic skills courses are graded S/U and have attendance requirements.

**MINOR**

A minor in Health and Exercise Science is available to students completing their major requirements in other departments. At least 6 hours of the minor coursework must be completed as a resident of the University. The minor includes 18 total hours of coursework, designated within the department. Six of those 18 hours are lower-division courses (1823, Scientific Principles of Health and Disease, 2913, Personal Health). The other 12 hours are from our upper division course selection (3813, Principles of Health and Fitness) and nine hours of upper-division electives. Students pursuing the minor are not eligible for field experiences, internships or independent study credit.

**ADMISSION**

An undergraduate degree in Health and Exercise Science or an equivalent allied field such as biological sciences, health education, kinesiology, human performance, or health psychology is required. Applicants holding equivalent degrees will be evaluated by the department for course deficiencies. If course deficiencies exist, a student may be admitted conditionally, but all deficiencies and conditions must be removed before a student can be fully admitted. Removal of deficiencies is required prior to taking the comprehensive/general examination or enrolling in thesis/dissertation hours.

A grade point average of 3.0 on a 4.0 scale for undergraduate and/or graduate work as defined by the Graduate College Bulletin is required for full admission. Applicants with less than a 3.0 may be admitted conditionally. Students must complete the Graduate Record Examination (GRE) prior to admission. Admission to the Master of Science programs will be based on GRE scores, undergraduate grade point average, undergraduate coursework, letters of recommendation, and an interview. Admission to the doctoral program will be based on GRE scores, graduate grade point average and coursework, statement related to academic, research, and professional goals, letters of recommendation, successful interview, and availability of a faculty member to work with the student.

In addition to graduate program admission requirements, applicants for graduate assistantships must submit professional recommendations supporting teaching/research ability.

**Master of Science Degree**

There are three degree options available for students interested in pursuing a Master of Science in the Department of Health and Exercise Science: 1) Health and Exercise Science (32 hours); 2) Exercise Physiology (30 hours); and 3) Health Promotion (30 hours).

Each degree option requires a basic core of graduate courses, an area of electives related to the degree option and approved by the student’s advisor and the completion of a research requirement. The research requirement involves a minimum of eight credit hours, including HES 5953, Research Methods, HES 5963, Statistical Applications, and a thesis or non-thesis project. The non-thesis option is available only for the Health and Exercise Science option.

A thesis MS program requires 30-32 hours of coursework (depending on the degree option), including four-six hours of thesis credit and satisfactory defense of a thesis (HES 5980). The non-thesis program requires the completion of a minimum of 32 hours of coursework, including two credit hours of an approved research experience (HES 5940) under faculty supervision and satisfactory performance on a comprehensive examination.

**PROGRAM OPTIONS**

**Health and Exercise Science**

An interdisciplinary program integrating health education/health promotion, exercise physiology and nutrition which is designed to prepare students for health/fitness professions, working in a variety of settings and with varied target groups. Core: HES 5523 or 5563, HES 5823 or 5853.

**Exercise Physiology**

A program emphasizing research in the specific discipline of Exercise Physiology and is designed to prepare students to continue their research in the doctoral programs. Core: HES 5823, 5833, 5853.

**Health Promotion**

This option emphasizes research specific to the discipline of Health Promotion and is designed to prepare students to continue their research in doctoral programs. Core: HES 5523, 5553, 5563.

**Doctor of Philosophy Degree**

The doctoral degree in Health and Exercise Science is awarded for excellence in research scholarship in combination with successful completion of an approved program of study consisting of coursework within and external to the Department of Health and Exercise Science. It signifies the attainment of independently acquired and comprehensive learning which evidences general professional competence. A doctoral student should, under normal conditions, spend at least the equivalent of five full academic years beyond the bachelor’s degree, or four academic years beyond the master’s degree. During this period the student shall take appropriate graduate coursework, successfully complete the General Oral and Written Examination, and submit and successfully defend the results of original research as a dissertation. The total number of hours, combining both formal courses and hours of research,
ADMISSION

Admission will be granted on the basis of undergraduate and graduate grade point average, satisfactory scores on the Graduate Record Examination (GRE), a statement of purpose related to their academic, research and professional goals, and at least three letters of recommendation. Applicants are expected to have a bachelor’s and/or master’s degree in a curriculum which will provide a solid foundation for doctoral study in the disciplines of health promotion or exercise physiology. Because of the professional nature of these disciplines, on the job experience will also be considered. Those applying with less than adequate training may be required to take prerequisite coursework before receiving full admission status.

Department of History

Robert L. Griswold, Chair
Terry Rugeley, Graduate Liaison
403-A Dale Hall Tower
Norman, OK 73019-2004
Phone: (405) 325-6002
Fax: (405) 325-4503
Internet: http://www.ou.edu/cas/history/

Faculty Roster

Professors C. Anderson, Bradford, Chappell, Evans, Gilje, Griswold, Hart, Hurtado, Levenson, J.S. Lewis, Norwood, Pisani, Rugeley, Savage, Snell, Stillman; Associate Professors Cane-Carrasco, Canoy, Faison, Holgoin, Kamochi, Kelly, Keppel, Magnussen, Metcalf, Piker, Shepkuar, Stockdale, Yarbrough; Assistant Professors J. Davis, Folsom, Olberding, Schapkow, Songter, Wickersham; Professor Emeritus Brown, Drummond, Glad, Hagan, Levy, Lowitt, Morgan, and Shallhope.

Degrees Offered

• Bachelor of Arts
• Master of Arts
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

General Information

The Department of History at the University of Oklahoma offers undergraduate and graduate students, and history majors in particular, a wide range of courses covering virtually every major epoch in history. The needs and interests of the students have been taken into account in an effort to create programs that are flexible and look to the students’ future careers. Considerable attention is given to advising students concerning the appropriate courses to be chosen for their majors and careers after graduation.

The type of history courses required of undergraduate majors has been determined according to two general assumptions: a history major, through lower-division historical surveys, should (1) receive a general coverage of knowledge about different areas of the world; and (2) obtain, through upper-division courses, more specialized knowledge about specific areas or eras of the world.

Career Opportunities

A history degree is a passport to a wide variety of careers in the public and private sector. It provides intensive training in marketable skills such as research, objective analysis, and writing, along with a broad knowledge of different cultures, geographic regions, and time periods. Many history majors go on to careers in law, education (teaching or administration), public service, or business. Numerous government agencies such as the Foreign Service, CIA, FBI, national and state parks, the Peace Corps, and social services have positions for history graduates. Other hiring institutions include business corporations, educational institutions, the travel and tourism industry, the media (newspapers, journals, TV and film), museums, foundations, and public relations firms. Graduates with liberal arts degrees (including history) are prime candidates for executive training programs in private business. They may become archivists, curators, consultants, analysts, criminologists, genealogists, librarians, lawyers, teachers, researchers, writers, or publishers. In addition to the many career benefits, history majors will discover that their studies give them the perspective to participate more fully in the world around them.

Scholarships and Financial Aid

For a number of years, the Department of History has offered several undergraduate prizes carrying cash stipends to outstanding students, both history and non-history majors. Students are nominated for these awards by a History Department faculty member.

The Horace C. Peterson Memorial Scholarship Award is presented to the outstanding undergraduate student majoring in history, preferably to a person who intends to continue the study of history in graduate school.

The Donnell M. Owings Scholarship is awarded to undergraduate students in American history. Professor Owings taught at OU from 1946 to 1966 and was recognized as a distinguished scholar in American genealogy and Colonial History.

The Alfred B. Sears Award for the outstanding student in British history, was awarded for the first time in 1979. Any student, major or nonmajor, undergraduate or graduate, who has taken a minimum of nine semester hours in courses designated as English history, is eligible for this award.

The William H. Maehl, Jr., Fellowship is awarded annually to the student who writes the outstanding senior thesis in a capstone course.

The History Department has graduate assistantships available each year.

Undergraduate Study

Majors must complete 36 hours of major work in history including 1483 or 1493 and one course from three of the following groups:

1. Ancient/Medieval — 1113, 1163, 1913, 2013, 2023;
2. European — 1223, 1233, 1623;
3. Near/Far Eastern — 1723, 1733, 2013, 2683;

The remaining 24 hours must be at the 2000-level or above and are to be distributed among three fields: United States; African/Asian/Latin American/Russian/Near East; European. At least nine hours in one field and six in each of the other two fields must be completed. A senior seminar (4973) must be included in the 24 hours. Fifteen of the 24 hours must be completed at the 3000-level or above. One of these 3000-level courses must be a 3573, Colloquium. A 2000-level course that has been used to fulfill a survey requirement cannot be used toward the 24 elective hours.

Students planning to go to law school should take HIST 3363. The department recommends that they also take the following courses: HIST 2043, 3093, 3343, 3373, 3393, 3430, 3673, and at least one course in the American and European fields to be chosen from HIST 3120, 3213, 3223, 3463, 3473 and 3483. The selection of a senior seminar (4973) should, where possible, reflect the pre-law interest of the student.
Students majoring in history may also work for the standard secondary teaching certificate in social studies. For information consult an academic adviser in the College of Arts and Sciences office.

MINOR

Students majoring in other subjects may elect to minor in history. The requirements are at least 15 hours of history courses acceptable for major credit including at least nine hours numbered 3000 and above.

Graduate Study

AREAS OF SPECIALIZATION

The department’s greatest strengths are in the history of the American West, Native American history, environmental, and Latin American history. The department also offers advanced degrees in American history, European history, Far Eastern history, African history, ancient history and Jewish history.

PREREQUISITES FOR FULL GRADUATE STANDING

Applicants for the M.A. and Ph.D. programs must submit official transcripts of all previous academic work with their applications to the Office of Admissions, and must submit three letters of recommendation, scores on the Graduate Record Examination (GRE), a statement of purpose, and a writing sample to the department. Ph.D. applicants are expected to hold the M.A. degree. Detailed information on programs is available from the graduate liaison, Department of History.

Master of Arts Degree

The department offers two options leading to the Master of Arts degree: thesis and nonthesis. The thesis program requires a minimum of 30 hours, including two graduate seminars, HIST 5054, and a thesis. The nonthesis program requires at least 34 hours; two graduate seminars, HIST 5054, and passing a comprehensive examination. Work in cognate fields must be approved by the student’s adviser. Detailed information may be obtained from the graduate liaison of the department.

Doctor of Philosophy Degree

Work leading to the Ph.D. degree is offered in certain fields. Detailed information may be obtained from the graduate liaison of the department.

In addition to fulfilling the special requirements for the master's degree, the doctoral candidate must complete at least four seminars, HIST 5054, and prepare for examinations over three fields of history. Reading proficiency in one foreign language is required of all doctoral candidates.

Department of History of Science

Steven J. Livesey, Chair
Suzanne M. Moon, Graduate Liaison
625 Physical Sciences Center
Norman, OK 73019-0315
Phone: (405) 325-2213
FAX: (405) 325-2363
Internet: http://www.ou.edu/cas/hsci/
e-mail: slivesey@ou.edu

Faculty Roster

Professors Barker, Livesey, Ogilvie; Associate Professors Heyck, Magruder, Moon, Pandora, Vermij; Assistant Professors Crowther, Hale, Weldon; Adjunct Associate Professors Hamerla, Tracy.

Degrees Offered

- Master of Arts
- Master of Arts/Master of Library and Information Studies
- Doctor of Philosophy

General Information

Study in the history of science at the University of Oklahoma inquires into the development of scientific thought from its origins in the cultural and intellectual efforts of the ancient civilizations of Egypt, Mesopotamia, Greece and Rome, through the Islamic and Christian civilizations of the Middle Ages, to the modern period. The courses place strong emphasis upon both the internal growth of scientific ideas and their development within the wider political, social, economic, religious and cultural context of Western history.

The University Libraries’ 94,000-volume special collection in the history of science provides a superb resource for research and teaching. Containing scientific works from the beginning of printing to the 20th century, this unique collection includes first editions of such notable scientists as Euclid, Archimedes, Copernicus, Galileo, Kepler, Boyle, Newton, Linnaeus, Darwin, Pasteur, Curie and Einstein.

The History of Science Department offers an extensive range of undergraduate and graduate courses concerned with the origins and growth of the natural sciences in Western and non-Western civilization. Although the department does not offer an undergraduate major, a number of undergraduate courses are available, and students may matriculate in an undergraduate minor or specially planned programs. Courses numbered 1000–2000 are intended especially for freshmen and sophomores, respectively. Courses numbered 3000–4000 are open to juniors, seniors and graduate students. Students who are interested in planned programs with an emphasis in the history of science or who plan to apply for admission to the graduate program in the history of science should consult with a faculty member of the department regarding relevant courses.

Scholarships and Financial Aid

For information on scholarships and graduate assistantships, students should contact the chair of the department.

Programs for Academic Excellence

The history of science has been designated an area of future emphasis within the College of Arts and Sciences, in the University’s Strategy for Excellence. The foundations of the University’s commitment to emphasis in this field are the superb History of Science Collections and a department

Ellison Hall as seen from the Rose Sharp Rose Garden. (Photo by Judy K. Cain)
Ph.D. degree may follow a nonthesis option, which includes a comprehensive exam. Students may choose to write a thesis in the History of Science in lieu of credit hours, including a minimum of 27 credit hours in each department. Each department and meet the requirements for the master's degree in both units. They take the comprehensive master's degree examination in students work with a joint advising committee made up of members of each department. Students apply to and are accepted by each department. Dual-degree Information Studies offer a dual degree program for their two fields. The History of Science Department and the School of Library and Information Studies offer a dual degree program for their two fields. The programs of study leading to the M.A. and Ph.D. degrees will entail the student's enrollment in history of science courses, history courses, other approved courses outside the department, and extensive use of the materials contained in the History of Science Collections.

**ADMISSION REQUIREMENTS**
Requirements for admission and prerequisites for full graduate standing include those set forth in the general requirements of the Graduate College, together with departmental requirements tailored to fit individual student backgrounds and scholastic needs. In addition, the department requires each applicant to submit a Graduate Record Examination (General Test) score.

Programs of graduate study leading to the Master of Arts degree and the Doctor of Philosophy degree have been offered in history of science since 1954 to students possessing a variety of undergraduate backgrounds. Each student's program is accordingly formulated on an individual basis in conference with a committee of the faculty of the department.

**MAJOR OF ARTS DEGREE**
Requirements for the master’s degree normally include reading proficiency in an appropriate foreign language and satisfactory completion of a master’s thesis. With departmental approval, a student not intending to pursue the Ph.D. degree may follow a nonthesis option, which includes a comprehensive final examination.

**MASTER OF ARTS IN HISTORY OF SCIENCE/MASTER OF LIBRARY AND INFORMATION STUDIES**
The History of Science Department and the School of Library and Information Studies offer a dual degree program for their two fields. Students apply to and are accepted by each department. Dual-degree students work with a joint advising committee made up of members of both units. They take the comprehensive master’s degree examination in each department and meet the requirements for the master’s degree in each department. The total course load requirement is 18 courses or 54 credit hours, including a minimum of 27 credit hours in each department. Students may choose to write a thesis in the History of Science in lieu of the comprehensive exam.

**DOCTOR OF PHILOSOPHY**
Students matriculating for the doctoral degree must demonstrate reading proficiency in at least two appropriate foreign languages (usually chosen from French, German, and Latin) before being admitted to candidacy.

---

**Department of Human Relations**

Susan Marcus-Mendoza, Chair and Graduate Liaison
728 Physical Sciences Center
Norman, OK 73019-0315
Phone: (405) 325-1756
FAX: (405) 325-4402
Internet: http://www.ou.edu/cas/hr
e-mail: smmendoza@ou.edu

**Faculty Roster**

**Degree Offered**
- Bachelor of Arts
- Master of Human Relations

**General Information**
The Department of Human Relations was established in 1970 with the mission to train professionals in the field of human relations. The Department has the following objectives:
- To expose students to the social and philosophical foundations which form the basis for an interdisciplinary approach to human services education. Emphasis is placed on understanding individual, group, and organizational behaviors.
- To provide students with the knowledge and competence necessary to function effectively as professionals in a wide range of human service careers. Emphasis is placed on developing skills related to understanding multicultural group behaviors.
- To prepare students for effective leadership in conflict situations which require data analysis and coordination of individual and group efforts.
- To encourage students to work for the provision of equal opportunities for minority groups and women, and to seek solutions to other community, state, regional, national, and international problems.
- To add to the body of knowledge called “human relations” and, concurrently, assist in delineating the role of human relations practitioners in economic, technological and social development.

**Undergraduate Study**
The Bachelor of Arts in human relations is a 36-hour major which includes a 21-credit hour core of required coursework. The core is as follows:
- HR 3003, Human Relations Theory,
- HR 3013, Introduction to Human Relations,
- HR 3033, Writing for Human Relations Professionals,
- HR 3043, Interpersonal Skills and Group Dynamics,
- HR 4013, Social Change Process,
H R 4013, Social Change Process,
H R 4503, Applied Research, and
H R 4513, Service Learning (capstone).

In addition, students are required to complete 15 hours of HR coursework in three categories of electives: organizational studies, diversity, and current problems. Students must take at least one course from each category, which provides the student coursework in each area, but also allow them to concentrate in an area of interest. In so doing, the student can focus on taking courses most relevant to their career goals. A grade of C or better is required in each of the major requirements.

Undergraduate majors must also complete 15 hours of non-human relations guided electives, one from each of the following categories:

- Cultural Diversity — one course from a broader range of diversity offering, chosen from the following group, or an alternate course approved by the department: AFAM 2003, 3213, 3413, 4010; ANTH 1613, 1823, 2203, 2613, 3453, 3553, 4303, 4623, 4633, 4843; NAS 3113; or W S 2003.
- Communication — COMM 1113, Intro. to Communication, or COMM 2613, Introduction to Public Speaking.
- Economics — ECON 1113, Intro. to Economics.
- Ethics — PHIL 1213, Introduction to Ethics.
- Statistics — this course serves as the foundation for H R 4503. May be chosen from the following group, or an alternate course approved by the department: COMM 2513, ECON 2843, PSY 3123, PSY 2003, SWK 2223, or SOC 3123.

### Graduate Study

The Master of Human Relations degree (M.H.R.) prepares graduates for careers focusing on research and/or resolution of human relations problems. Particular attention is given to students who work part-time and full-time. To accommodate both “traditional” and “nontraditional” students, courses are offered on the Norman campus, at the Schusterman Center in Tulsa, and through Advanced Programs in day, evening and week-end formats. Since its inception, the Department has graduated a large number of ethnic minorities, women, older persons returning to college, and international students.

Each student pursuing a Master of Human Relations degree is expected to initiate curriculum planning with a major adviser within the first semester. This planning will identify course sequences which seem most likely to lead to mastery in one or more areas of concentration. Some students may not need to design a unique program but may select from concentration options in which the course sequences have been designed by the faculty.

### AREAS OF SPECIALIZATION

Human relations counseling; organizational studies; women’s studies; human relations in education; social change; and international human relations.

### SCHOLARSHIPS AND FINANCIAL AID

Tuition waivers are available to selected Oklahoma residents. For information on non-departmental assistance, consult the Office of Financial Aid Services.

### ADMISSION REQUIREMENTS

Efforts will be made to identify and select candidates whose academic preparation, personal qualities, past educational experiences, volunteer activities, and work experiences give promise for success in the program. Before applicants can be admitted to full graduate standing in the Department of Human Relations, candidates must satisfy the general admission requirements of the Graduate College. In addition, applicants to the Department of Human Relations must complete departmental application requirements. Applicants should contact the department about required procedures.

### Master of Human Relations Degree

The curriculum may be a nonthesis, 36 semester credit hour program, or a 32 semester credit hour program, including four hours of research for master’s thesis. The internship is an integral aspect of skill development for all human relations majors. A concentration in a particular area of human relations may incorporate the thesis or nonthesis option.

### Nonthesis Option

Candidates selecting this option must include in their program the following Human Relations courses: 5003, 5013, 5023, 5093 and six hours of 5200. A comprehensive examination is required prior to completion of the degree. This examination will be based on major concepts, issues and strategies underlying the field of human relations, plus areas of concentration.

### Thesis Option

As with the nonthesis option, the following Human Relations courses are required: 5003, 5013, 5023, 5093 and six hours of 5200. A thesis is required.

### Interdisciplinary Perspectives on the Environment

Deborah W. Dalton, Director and Professor
555 and 556 Monnet Hall
Norman, OK 73019-0375
Phone: (405) 325-0595
Internet: http://www.ou.edu/cas/ipe/

Environmental issues are complex and multi-dimensional and cannot be understood or addressed from any single discipline. The College of Arts and Sciences has established the Interdisciplinary Perspectives on the Environment (IPE) program for students who wish to develop knowledge and skills in specific areas related to environmental issues while remaining grounded in an interdisciplinary outlook. The program offers an approved minor. There is also an option to develop a major in Environmental Studies through an individual Planned Program.

### MINOR

By making students conversant with a variety of approaches to the environment, the IPE minor prepares them for the multi-disciplinary teamwork that is a feature of many environmental careers. The minor consists of 15 credit hours including the IPE core and one course from the humanities, social sciences and sciences.

**IPE Core Courses:**
- IPE 1013, Consumption and the Environment
- IPE 4003, Senior Practicum on the Environment

**Humanities Courses — 1 of the following:**
- ENGL 4453, Landscape and Literature
- ENGL 4723, Emerson, Thoreau, and Whitman
- HIST 3493, American Environmental History
- HSCI 3473, History of Ecology & Environment
- NAS 3113, Native American Philosophy
- PHIL 3293, Environmental Ethics

**Social Sciences Courses — 1 of the following:**
- ANTH 4103, People and Plants
- ANTH 4533, Human Ecology of the Humid Tropics
- GEOG 3253, Environmental Conservation
- GEOG 3563, Natural Resources
- P SC 3233, Environmental Policy & Administration
- P SC 4233, Science, Technology, & Public Policy

**Science Courses — 1 of the following:**
- BOT 2404, Ecology & Environmental Quality
- BOT 3453, Principles of Plant Ecology
Undergraduate Study

Bachelor of Arts
The Bachelor of Arts in Judaic Studies provides students with: 1) a solid grounding in the history and culture of one of the seminal components of modern civilization, 2) in-depth familiarity with one of the most significant countries of the Middle East, and 3) proficiency in the language of present-day Israel and of Jewish historical creativity.

The Judaic Studies major requires a 33-credit-hour core of courses in addition to completion of four semesters of Hebrew language credits (16 credit hours).

Core Courses
HIST 3973, History of Judaism (3 credit hours).
Four courses (12 credit hours) chosen from the following must be completed: HIST 3413, History of Ancient Israel; HIST 3430, Topics: American Jewish History; HIST 3950, Topics: Modern Jewish History; HIST 3963, Rebirth of Israel; HIST 3983, Medieval Jewish History.

Electives — five courses (15 credit hours), chosen from a list of approved courses, must also be completed.
Senior Capstone requirement (3 credit hours) must be chosen from the following list of seminars: HIST 4973, Seminar: Militant Religion in the Middle East; HIST 4973, Seminar in Jewish Historiography; MLLL 4970, Seminar: Hebrew Literature.

Major Support Requirements
Students must complete the following language courses for a total of 16 hours:
HEBR 1115, Beginning Hebrew; HEBR 1225, Beginning Hebrew continued; HEBR 2113, Intermediate Hebrew; HEBR 2213, Intermediate Hebrew, continued. (Requirement waived with demonstrated proficiency of language.)

MINOR IN JUDAIC STUDIES
The minor consists of 18-20 hours, including nine at the upper division level. A minimum of five designated Judaic Studies courses will be required, two of which must include Modern Hebrew, or demonstrated proficiency.

Required courses:
History: 3973, Judaism: A Religious History
Modern Languages, Hebrew: 1115, Beginning Hebrew I; 1225, Beginning Hebrew II

(A student who enters the program with proficiency of the language will be required to take additional Judaic courses.)

Electives:
History: 3120, European Jews from Ghetto to Modernity; 3120, Jews and Other Germans; 3293, History of Anti-Semitism; 3313, Israeli Culture Through Film; 3413, History of Ancient Israel; 3430, American Jewish History; 3500, Heaven and Hell; 3500, Historical Study of Religion; 3500, Jewish Mysticism; 3500, The Holocaust; 3500, Modern Jewish History; 3840, Mid-east Jews in Modern Times; 3840 Rebirth of Israel; 3950, Mideast Minorities in Modern Times; 3973, History of Judaism; 3983 Medieval Jewish History; 3993 Evolution of Martyrdom; 4973, Jewish Historiography; 5050 Directed Readings, in any Judaic area).

Anthropology: 4973, Anthropology of Jews & Jewishness;
English: 3633, Bible as Literature
Film and Video Studies: 3843, Yiddish Cinema
Modern Languages, Hebrew: 3063, Jewish Literature; 3113, Advanced Hebrew.

Graduate Study
Students who wish to pursue a master's or doctoral degree with an emphasis in Judaic history may do so through the graduate programs offered in the Department of History.
School of Library and Information Studies

Cecelia M. Brown, Director and Graduate Liaison
Maggie Ryan, Coordinator, Admissions/Academic and Student Support Services

401 W. Brooks, Room 120
Norman, OK 73019-6032
Phone: (405) 325-3921
FAX: (405) 325-7648
Internet: http://www.ou.edu/cas/slis/
e-mail: slisinfo@lists.ou.edu

Faculty Roster
Professors Brown, Hawamdeh, Latrobe, S. H. Lee, Swisher, Van Fleet; Associate Professors Abbas, Burke, Taylor; Assistant Professors Martens, Kim, White; Professor Emeritus Lester.

Degrees Offered
• Bachelor of Arts in Information Studies
• Master of Library and Information Studies
• Master of Science in Knowledge Management
• Master of Library and Information Studies/Master of Education
• Master of Library and Information Studies/Master of Arts (History of Science)

Post-Master’s Program
• Certificate of Advanced Studies

AREAS OF SPECIALIZATION
Academic, public, school, and special libraries and information centers; health sciences; children’s literature and youth services; knowledge management; Native American services; and library technology.

Undergraduate Study

Bachelor of Arts in Information Studies
The primary focus of Information Studies is the information enterprise broadly defined. Graduates will be prepared to explore and analyze information needs and work within the organizational context to develop appropriate and effective approaches to satisfying those needs. The central theme of the Information Studies program is facilitating the link between people, whether individuals or groups, and the information necessary to their success. The goals of the Information Studies program are 1) to provide a broadly based liberal arts education focused on the knowledge, skills, and values required to design, implement, and manage information operations in any organizational setting, and 2) to prepare graduates for careers in an increasingly information-rich and information-based global society.

The Bachelor of Arts in Information Studies is an interdisciplinary program that draws courses from a variety of departments and schools. Requirements for the major in Information Studies total 39 semester hours, including an 18 semester hour required Information Studies core and 21 additional semester hours in Information Studies and cognate disciplines. Students must also complete the General Education requirements designated by the College of Arts and Sciences and any prerequisite courses required for courses in the Information Studies curriculum. The 18 semester hour required core consists of the following courses:

- LIS 2003, Introduction to Information Studies
- LIS 3003, Object-Oriented Information Systems
- LIS 4003, Information Systems and Networks
- LIS 4103, Design & Implementation of Networked Information Services
- LIS 4663, Information Studies Field Project
- LIS 4823, Internship in Information Studies

The remaining 21 semester hours include courses from six key content areas: Economics, Information and Enterprise, Interpersonal Communication, Organizational Communication, Leadership, and Information in Society. A grade of C or better is required for all major courses.

Graduate Study

Admission Requirements

MASTER OF LIBRARY AND INFORMATION STUDIES & MASTER OF KNOWLEDGE MANAGEMENT

The admission policy of the Master of Library and Information Studies (MLIS) and the Master of Science in Knowledge Management degree programs has as its goal the selection of persons who are academically well-qualified and who exhibit a potential for contribution in the area of library and information services (MLIS), and who exhibit a potential for assuming leadership roles in creating knowledge-sharing cultural environments within organizations (MSKM). The School of Library and Information Studies encourages applications from students with diverse educational, geographical, cultural, and intellectual backgrounds.

In addition to meeting the general requirements for admission to the Graduate College, applicants must also meet the admissions requirements for the degree program they are applying to: the Master of Library and Information Studies (MLIS) or the Master of Science in Knowledge Management (MSKM) degree program. Compliance with those requirements is demonstrated by presentation of the following documents:

1. An application to the Master of Library and Information Studies or Master of Science in Knowledge Management program.
2. A statement of purpose and goals including a specific professional career plan and a self-assessment of relevant prior experience.
3. A professional résumé.
4. Three letters of recommendation from persons familiar with the applicant’s scholastic or employment record.
5. Scores of the Graduate Record Examination (GRE). GRE scores are not required from applicants who have completed a post-baccalaureate degree with a GPA of at least 3.20 on a four-point scale.

Full Graduate Standing

An applicant may be granted full graduate standing if:

1. all required documentation has been submitted and determined to be complete, and
2. the applicant has been determined to be acceptable for admission to the Graduate College, and
3. the applicant’s academic record indicates a grade point average of at least 3.20 for the last 60 hours of letter-graded undergraduate coursework or has completed a master’s degree or at least 12 semester hours of letter-graded graduate coursework with a cumulative 3.00 grade point average for all graduate work, and
4. the applicant submits valid Graduate Record Examination scores.

Conditional Admission

A graduate of an accredited four-year institution whose grade point average is below 2.80, but who has met all other requirements for admission to full graduate standing may be admitted conditionally. A student whose grade point average is below 2.80, but who has met all other requirements, may apply for admission after completing at least 12 hours at the undergraduate (3000 or above) level in an effort to improve the grade point average and demonstrate academic competence.
Transfer Credit

Students who transfer from another graduate program at the University of Oklahoma or from another institution may be admitted to full graduate standing in the School of Library and Information Studies if they have satisfied all of the requirements listed above. For applicability of transfer credit toward the degree sought, see also the general regulations of the Graduate College.

No more than nine hours taken prior to admission to the MLIS or MSKM program may count toward the MLIS or MSKM degree. Students enrolled in unclassified status are cautioned to submit a complete application before they have completed 12 hours.

All transfer credit must be approved by the University’s Office of Admission and the School’s Admission Committee. The conditions for transfer of credit include the following:

- All hours must be graduate hours from an accredited institution, graded A or B, and must NOT have been applied toward another degree.
- All library and information studies hours (for the MLIS degree) must be from an ALA accredited program.
- No more than nine hours may be transferred into the MLIS program.
- The student is responsible for submitting a School of Library and Information Studies transfer credit petition to the School’s Graduate Studies Committee, asking for consideration of the transfer hours and providing documentation regarding the applicability of such coursework.
- Documentation must include a copy of 1) the university or college’s catalog description of the course, 2) the course syllabus or outline, and 3) an unofficial transcript showing the grade earned in the course.
- All hours applied to the program must fall within the time limits of the program. Typically, coursework will be no older than five calendar years at the time of completion of the degree.

The student is responsible for submitting a written petition to the School’s Graduate Studies Committee, asking for consideration of the transfer hours and providing documentation regarding the applicability of such coursework.

Denial of Admission

Students who have been denied admission to the MLIS and MSKM programs may not enroll in Library and Information Studies or Knowledge Management courses. This restriction includes students who change their status to unclassified after denial of admission to the program. Students who have been denied and who enroll in graduate LIS or KM courses may be disenrolled by the School.

Appeals

Any applicant who feels that he or she has been wrongly denied admission to the MLIS or MSKM program may appeal in writing to the Admissions, Financial Aid, and Academic Standing Committee.

ADMISSION OF UNDERGRADUATES TO GRADUATE PROGRAMS

A senior undergraduate student not admitted to the School of Library and Information Studies may enroll in graduate courses offered by the school with the instructor’s permission. If the courses meet the conditions established by the Graduate College for graduate credit, they may be accepted as degree credits in the School of Library and Information Studies. Admission of undergraduates to the School of Library and Information Studies is based upon policy described in the general regulations in the Graduate College Bulletin. Students should be aware of the school’s additional requirements governing admission and should contact the school before attempting to enroll.

TIME LIMITS FOR COMPLETION OF MASTER’S DEGREE

A student is expected to complete work for the master’s degree within five calendar years from the student’s first graduate enrollment in the School of Library and Information Studies. See the general regulations of the Graduate College for an extension of time.

READMISSION

If a student withdraws from the school, readmission may be obtained by petitioning the school. If one year or more has elapsed since enrollment, the student must also apply for readmission to the Graduate College. While in most cases courses taken in previous terms in residence will be applied to the student’s degree, some courses may not be applied toward the degree.

This will more likely be the case with courses taken five or more years in the past, but it may also apply to courses taken at a more recent time. The School of Library and Information Studies Committee on Admissions and Financial Aid will evaluate each case on its particular merits.

REGISTRATION AND ENROLLMENT

A student may apply at any time of the year for admission to a degree program in the School of Library and Information Studies, but must comply with University deadlines.

A student cannot carry more than 16 hours of graduate credit in any regular semester, or more than nine hours in a summer session, without permission of the Dean of the Graduate College. Graduate students who are employed must reduce the number of credit hours carried in proportion to the number of hours worked. This will necessarily extend the time required to complete the degree program.

When a student has been admitted to a degree program in the School of Library and Information Studies, it is assumed that the student will enroll in the program at the first registration period following completion of the admission requirements. At the student’s request, enrollment may be postponed for as much as one calendar year. If the delay exceeds one year, the entire application procedure must be reintiated.

When the student is accepted by the school, a faculty adviser is assigned and noted in the student’s letter of acceptance. Upon acceptance to the program and prior to the completion of 12 hours at the latest (including any hours taken before official admission to the program), any student in the MLIS or MSKM program must file with the School a program of study showing which courses are to constitute the 36 hours to be taken for the degree, including any courses to be taken at the University of Oklahoma outside the school and any courses transferred from another institution.

Students are required to work with the adviser during attendance at the school and must consult with the adviser prior to enrollment each semester. The student should also consult the adviser at any time that academic or career-related problems arise. A student’s request for a change of adviser will be given due consideration.

Degree Programs

MASTER OF LIBRARY AND INFORMATION STUDIES (MLIS)

The School of Library and Information Studies offers the only American Library Association-accredited master’s degree program (MLIS) in Oklahoma. The program is designed to educate students to: 1) function effectively in the provision of information services and products to a multicultural, multilingual, and global society; 2) participate in and promote research, research programs, and creative activities; and 3) provide leadership, consultation, and guidance to the professional and information communities.

The Master of Science in Knowledge Management (MSKM) degree was created in response to an increasing need for knowledge managers in business, industry, education, government, and public service organizations. The program is designed to educate students to: 1) function effectively in a complex knowledge environment and be able to provide information and knowledge services and products to a multicultural, multilingual, and global society; 2) participate in and promote research, research programs, and creative activities; and 3) provide leadership, consultation, and guidance to the professional and information communities.

The MLIS and MSKM degrees may be taken as either a thesis or non-thesis option. While it is possible to complete the degree in one calendar year,
most students complete their coursework within five calendar years from the time of initial enrollment

Candidates for the MLIS or MSKM non-thesis option must fulfill the following:
1. Complete the following four, three-hour courses:
   - LIS/KM 5023, Management of Information and Knowledge Organizations
   - LIS/KM 5033, Information and Knowledge Society
   - LIS/KM 5043, Organization of Information and Knowledge Resources
   - LIS/KM 5053, Information Users in the Knowledge Society
2. Complete 15 hours of guided electives.
3. Maintain a B grade point average.
4. Complete a minimum of 36 hours of graduate credit.
5. Pass a written comprehensive examination, or develop and defend a student portfolio (portfolio option for MLIS students only).

Requirements for the thesis option are the same, except that no comprehensive examination or portfolio is required, and the student must complete and defend a thesis. Six credit hours are allowed for thesis research (more hours may be needed, but no more than six may be counted toward the degree).

A student may enroll for degree credit in courses outside the School, but the courses chosen must relate closely to and be supportive of the student’s program as a whole. A student wishing to take courses outside the School must include those courses on the program plan and obtain his/her adviser’s signature.

Specialist Option—Health Sciences Librarianship
Medical, hospital, social science agencies, and other health-related agencies need information specialists educated in health sciences librarianship. The School of Library and Information Studies offers the following courses to students interested in pursuing a career in this area: LIS 5133, Biomedical Bibliography and Reference Materials; LIS 5163, Biomedical Data Bases; and LIS 5823, Internship in Library/Information Centers. The courses are held at the University of Oklahoma Health Sciences Center. Students should discuss a full program in this area with their advisers.

Dual Degree Programs
In its quest to provide alternative educational opportunities for students wishing to specialize in a variety of areas, the School of Library and Information Studies has developed a number of specialized programs. In addition, the Generic Dual Master’s degree program is available for students who wish to earn dual master’s degrees not specified by the School.

Master of Library and Information Studies (M.L.I.S.)/Master of Education (M.Ed.)
This dual degree emphasizes instructional psychology and technology. The purpose of this program is to provide a course of study for those individuals wishing to pursue careers in education, such as school library media centers, vocational-technical libraries, junior college media centers, special education centers, correctional facilities, armed forces libraries and educational centers; or in business and industry with emphasis in instructional media.

Program requirements are structured to provide students with maximum professional education. Admission, retention, advisement, and graduation requirements are administered jointly by both the School of Library and Information Studies and the College of Education. Students wishing more information should contact both academic units. Most of the courses required for the education portion of this degree are offered only at the Norman campus.

Master of Library and Information Studies (M.L.I.S.)/Master of Arts (History of Science)
The School of Library and Information Studies and the Department of History of Science offer a dual degree program for their two fields. Students apply and are accepted by each department. Dual degree students work with a joint advising committee made up of faculty from both units. The requirements for the master’s degree in each department must be met.

CERTIFICATE PROGRAM FOR SCHOOL LIBRARY MEDIA SPECIALIST
The School of Library and Information Studies offers a program leading to completion of the MLIS degree program and the Oklahoma Standard School Library Media Specialist Certificate. A student interested in pursuing the School Library Media Specialist Certificate should plan a program of study with the assigned adviser as soon as possible to coordinate the OU certification requirements with the student’s previously developed competencies as documented by transcripts and to ensure that needed courses will be accessible on the SLIS course rotation schedule. Completion of the MLIS program and preparation for the School Library Media Specialist Certificate may require additional coursework beyond the 36 hours required for the MLIS.

Students seeking the masters’ degree in Library and Information Studies (MLIS) and the Standard School Library Media Specialist Certificate must:
1. Hold a valid initial standard teaching. The school library media certificate is an advanced certificate that may be added to an initial certificate in early childhood education, elementary education, elementary-secondary education, secondary education, or vocational-technical education, or in another area approved by the state.
2. Fulfill requirements for the MLIS degree.
3. Fulfill requirements for the NCATE-approved school library media program for competencies attained through the following courses or their equivalents:
   - LIS 5023, Management of Information and Knowledge Organizations
   - LIS 5033, Information and Knowledge Society
   - LIS 5043, Organization of Information and Knowledge Resources
   - LIS 5053, Information Users in the Knowledge Society
   - LIS 5183, Books and Materials for Children
   - LIS 5193, Books and Materials for Young Adults
   - LIS 5283, School Library Media Center Administration
   - LIS 5403, Cataloging and Classification
   - LIS 5523, Community Relations and Advocacy, or LIS 5503 Information Literacy and Instruction
   - LIS 5543, Collection Development and Management, or LIS 5513, Information Sources and Services
   - LIS 5603, Information Systems and Networks, or LIS 5533, Introduction to Instructional Technology
   - LIS 5713 Research Methods or LIS 5733, Evaluation Methods
4. Fulfill requirements for the student portfolio required by the Oklahoma Commission on Teacher Preparation.
5. Successfully complete the state teaching examination for the specialized subject area for school library media.

After completion of 1-5 above, the University of Oklahoma will recommend the student for standard library media specialist certification by the state.

GENERIC DUAL MASTER’S DEGREE
The generic dual master’s degree allows a graduate student at the University of Oklahoma the option of seeking master’s degrees in each of any two areas of his/her choosing. In order to pursue the generic dual master’s degree, the student must be admitted to both programs before 12 credit hours of program work is completed in either program. Once admitted to both programs, the student will be admitted into the Generic Dual Master’s Degree Program. Further details are available in University bulletins and from the individual departments.

Certificate of Advanced Study
The growth in the number and variety of information resources demands increased specialization. Practicing librarians and information specialists have attempted to attain this specialization in various ways — on the job training, short courses, workshops — generally through an unsystematic process with obvious costs in terms of effectiveness and efficiency. To respond to technological and other changes in the profession, the School of Library and Information Studies has developed a program of study beyond the master’s degree, one that will lead to the Certificate of Advanced Study.

96
OBJECTIVES
The objectives of the program are: (1) to provide librarians/information specialists with the opportunity to upgrade and update knowledge in library and information studies; (2) to provide librarians/information specialists with an opportunity to redirect or strengthen their present career paths; (3) to develop an awareness of the role, significance, and importance of research in library/information studies and its application in the field; and (4) to provide MLIS students with the opportunity to obtain additional specialized skills and competencies in order to improve their career prospects.

ADMISSION REQUIREMENTS
To be admitted, a student must:
1. hold a master’s degree in Library Information Studies from an institution with a Library and Information Studies degree program accredited by the American Library Association;
2. have completed a minimum of two years of professional experience broadly related to Library Information Studies after completion of the master’s degree.

Applications who have not completed two years of professional experience after receipt of the master’s degree should petition the Admissions Committee of the School of Library and Information Studies for special permission to enter the Certificate of Advanced Study Program. Such a petition must indicate: (a) reasons for waiving this requirement; (b) special training, skills, competencies, or other factors that would contribute to the success of the applicant in the program, and (c) the applicant’s potential for successful completion of the program.

APPLICATION PROCEDURES
Prospective students must submit an application for admission to the University and transcripts of academic performance to the Office of Admissions, 1000 Asp Avenue Room 127, Norman OK 73019-4076.

Applicants must send an application for admission and three letters of reference to the School of Library and Information Studies. The letters should be sent only in those instances where there are no references on file, or existing letters of reference are three or more years old. Graduate Record Examination scores are not required.

PROGRAM COMPONENTS
Thirty hours of coursework beyond that taken as part of a master’s degree in Library Information Studies are required for the certificate. Credit hours for completion for the Sixth Year Certificate requirement may include post-master’s coursework, regularly offered master’s level coursework, and graduate courses offered in other departments of the University.

In order to ensure a unified program of study tailored to meet the individual needs and interests of the student, the Director of the School will appoint a committee of three, consisting of a chair and two faculty members who will work closely with the student and develop a written program of studies for the 30 credit hours.

Prior to enrollment in the program, the tentative program of studies must be approved by the Director of the School. Students may take up to nine credit hours outside the School of Library and Information Studies.

RETENTION STANDARDS
The student enrolled in any program of the School of Library and Information Studies must maintain acceptable academic standards in order to remain in the school. Students admitted to full graduate standing in the school must maintain an overall B average in all courses attempted. If at the end of any semester a student’s cumulative grade point average has fallen below 3.00, the student will be placed on academic probation for the next semester (or summer session) in which the student has enrolled. If the student fails to raise the total cumulative grade point average to 3.00 in the next 12 hours in which the student enrolls, the student will be dropped from the school.

When students who have been conditionally admitted have completed the first 12 hours in their program, they must have achieved a grade point average of 3.00 or better for all graduate-level courses attempted or they will be denied re-enrollment. Further, they must have met the conditions set out in their letter of conditional admission, including successful completion of designated courses.

Graduate College regulations require a grade average not lower than B on all graduate work attempted for eligibility for any graduate degree. The School of Library and Information Studies requires that a student receiving more than six credit hours of C or lower in letter-graded courses in Library and Information Studies be dropped from the School’s rolls. This requirement will be observed regardless of a student’s overall grade point average. Additionally, any student who has been admitted to the MLIS program receiving a grade of D or lower in any letter-graded LIS graduate course will be withdrawn from the program. Additionally, any required course in which a student earns a grade of C must be repeated (three grades of C result in termination from the program). A student cannot use the course in which the grade of C was earned toward fulfillment of degree requirements.

A student who has received two or more I (incomplete) grades that have not been changed to passing grades normally will not be permitted to enroll for another semester’s work.

Certain courses in the School of Library and Information Studies may be graded on a S/U (Satisfactory/Unsatisfactory) basis. A grade of S is equivalent to a grade of B or better. Students may not enroll in more than 12 hours of Satisfactory/Unsatisfactory graded courses as credit toward completion of degree requirements.

Student records are evaluated at the end of each semester. The director will notify any student whose academic performance is less than satisfactory by letter.

---

Department of Mathematics

Paul R. Goodey, Chair
Noel Brady and Alan Roche, Graduate Liaisons
423 Physical Sciences Center
Norman, OK 73019-3103
Phone: (405) 325-6711
FAX: (405) 325-7484
Internet: http://www.math.ou.edu/
e-mail: pgoodey@ou.edu

Faculty Roster
Professors Albert, Apanasov, Brady, Breen, Dickey, Goodey, Grasse, Gutman, Landes, Lee, Magid, McCullough, McKnight, Miller, Murphy, Ozzydin, Przebinda, Rubin, Walschap, Wei, White, Zhu; Associate Professors Akin, Forester, Lifschitz, Ray, Roche, Schmidt, Shankar; Assistant Professors Kornelson, Kujawa, Martin, Petrov, Pitale, Rafi, Remling.

Degrees Offered
• Bachelor of Arts
• Bachelor of Science in Mathematics
• Joint Bachelor of Science in Mathematics and Master of Science in Biostatistics
• Master of Arts
• Master of Science
• Master of Science/Master of Business Administration
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.
Undergraduate Study

The department encourages self-study and the taking of advanced mathematics courses in high school. Credit for this activity may be earned through a variety of examinations, including those given by the College Entrance Examination Board (advanced placement), the department (advanced standing), and CLEP (College-Level Examination Program). Advanced standing tests are administered through the Independent Study Department. Transfer students are urged to consult either the department office or undergraduate mathematics adviser if doubt exists concerning proper placement.

Students majoring in mathematics, the physical sciences, or engineering should take the calculus sequence 1823, 2423, 2433, and 2443. The sequence 1743–2123, is designed for students in business and the life or social sciences.

Courses numbered below 1823 do not carry major credit. Neither do the courses 2123, 2213, 2223. Only students in the teacher certification program may earn major credit for 4232.

The department strongly recommends a grade of C or better in all prerequisite mathematics courses.

Major Programs

The student whose major interest is in mathematics may work either for the standard degree of Bachelor of Arts or the professional degree of Bachelor of Science in Mathematics.

For a well-rounded program in mathematics, majors should purposely seek out a variety of fields before specializing, even though this may result in more credit hours than are actually required for a major.

All major programs must include 12 hours of elementary calculus (1823, 2423, 2433, and 2443). Majors are strongly urged to take 2513 and 3333 before completing the calculus sequence.

The additional requirements for specific programs follow (unless otherwise indicated, all course numbers indicate mathematics courses).

Financial Support

The Mathematics Department has a number of endowed scholarship funds to support its undergraduate majors. Scholarship applications are accepted from January to March each year with the awards announced in April. Applications are available in the ‘Undergraduate Study’ section of the Math Department Web page: www.math.ou.edu.

Standard (1701A)

The standard degree program (code 1701A) leading to the Bachelor of Arts general option requires:

- 2513, 3333;
- 3113 or 3413;
- twelve additional hours at the 3000-level or higher including nine hours at the 4000-level or higher (excluding 4232);
- 4513.

Grades of C or better must be earned in all mathematics courses at the 3000-level or higher.

Professional (1701K)

The professional degree program (code 1701K) leading to the Bachelor of Science in Mathematics requires:

- 2513, 3333, 4323, 4373, 4433, 4853;
- 3113 or 3413;
- three hours from 4333 or 4443;
- 4513.

Grades of C or better must be earned in all mathematics courses at the 3000-level or higher.

Mathematics B.S./Biostatistics M.S. (1701L)

The dual B.S./M.S. degree in Mathematics and Biostatistics (code 1701L) requires the following mathematics courses:

**B.S. Component**

- 2513, 3333, 4073;
- 3113 or 3413;
- three hours from 4323, 4383, or 4433;
- three hours from 4733 or BSE 5703;
- three hours from 4743 or BSE 5733;
- six hours from 4113, 4193, 4323, 4333, 4373, 4433, 4443, 4753, 4853, 4793 or BSE 6663, 4773 or BSE 6643, BSE 5653.

**B.S./M.S. Component**

- BSE 5001, BSE 5113, BSE 5163, BSE 5173, BSE 5193, BSE 5980 (also satisfies senior capstone requirement);
- three hours from HAP 5113, HPS 5213, OEH 5013;
- six hours of math from 4083, 4113, 4193, 4233, 4333, 4373, 4433, 4443, 4853, 5793 or BSE 6663, 5773 or BSE 6643, and BSE 5653.

These six hours may not duplicate the six hours of electives for the undergraduate major requirements and when offered as slash-listed courses must be taken at the graduate level.

**M.S. Component**

- three hours from BSE 5303, BSE 5363, or BSE 6363;
- six hours of math or biostatistics chosen in consultation with adviser from MATH 5783 or BSE 5653, BSE 5663, BSE 6643, MATH 5793 or BSE 5663;
- BSE elective chosen from any BSE course (excluding 5103, 5950, and 6950) that has not been taken to fulfill other requirements.

**Additional Major Support Requirements**

- Biological science chosen from ZOO 1114 or 2404;
- Physical science chosen from CHEM 1315 or 1425; PHYS 2414 or 2514.

At least one of the biological or physical science courses must have a laboratory component.

**Additional Requirements**

- ZOO 2124 or MBIO 2815.

No more than eight hours toward the dual degree program may carry a grade lower than a B. No course at the 4000-level or higher with a grade of C may apply toward the program.

Teacher Certification

The student planning to teach mathematics in the secondary school should follow the mathematics teacher certification program. He or she may receive either the standard or professional degree. However, the courses 2513, 3613, 4643 and 4753 must be taken. Further requirements are discussed in this catalog under Teaching Certificates.

Mathematics majors who are candidates for degrees with honors must satisfy all of the requirements for a professional degree. For other requirements students should consult the director of the Honors Program.

Minor

The requirements for the minor in mathematics are: 15 hours of courses acceptable for major credit, including 2443 and nine upper-division hours including six hours numbered 4000 or above. Three hours of either 3960 or 3970 (not both) may be substituted for three hours at the 4000-level or higher.

Graduate Study

Master’s Programs

In order to meet a variety of needs, the department has established several masters’ programs. The traditional Master of Arts degree is particularly suitable for students who may want to pursue a doctorate or who are interested in teaching at the college level. The Master of Science degree emphasizes applications of mathematics. The dual degree program addresses the increasing need of mathematics in business and management.
MASTER OF ARTS DEGREE

For admission to this program with full standing, a student should have completed the mathematics courses required for a bachelor’s degree with a major in mathematics at the University of Oklahoma or their equivalents. Students lacking this preparation must acquire it, either by taking the courses or advanced standing examinations. The course requirements are:
1. Twelve hours of elementary calculus equivalent to Math 1823, 2423, 2433, and 2443.
2. Math 2513, 3333, 4323, 4433.
3. Two courses from: 3413 (or 3113), 3613, 3693, 4073, 4163, 4333, 4373, 4443, 4733 (or 4753), 4743 (or 4753), 5423 (or 4103), 5653, 5853, 5863.

For the M.A. degree the student must present a minimum of 32 hours at the 4000 level or above.

The general requirements of the Graduate College must be satisfied as well as the following departmental requirements:

a. At least 15 hours from 5353-5363, 5453-5463, 5853-5863.

b. If only 15 hours are taken from (a), then another six hour sequence of 5000 or 6000 numbered courses must be taken.

c. Pass a comprehensive examination over the material listed in (a).

Master’s candidates who plan to seek a Ph.D. at the University of Oklahoma should take the qualifying examinations over all three sequences in (a).

Both thesis and non-thesis programs are available for the master’s degree.

MASTER OF SCIENCE DEGREE

For entry to this program, a student is expected to have taken at least one course in each of the areas of differential equations, linear algebra, modern algebra, advanced calculus, and probability/statistics. If the student is deficient in these prerequisites, up to three hours of work taken in residence to satisfy the requirements may be included in the graduate program with the approval of the graduate liaison.

Each student shall obtain approval for his or her program of study from the Applied Math Committee. This will ensure that the program of study, including a thesis, if any, will provide a coherent education in applied mathematics appropriate for a master’s degree, and that it will meet the formal requirements of the department. Course requirements are as follows:

1. One three-hour course in each of the areas of statistics and numerical analysis/computer science.

2. Two three-hour courses in abstract mathematics.


4. Two courses besides those used in (1) in some area of applied mathematics.

5. At least two courses, taken at the 4000 level or higher from outside the mathematics department, which use mathematics beyond elementary calculus. A maximum of nine hours of coursework outside of mathematics can be applied to the degree.

6. No more than nine hours of coursework in mathematics below the 5000 level, and at most 12 hours of 4000-level coursework in total. No courses below 4000 level can be applied to the degree.

7. A total of 32 hours, of which 12 hours must be at the 5000 level or higher in the mathematics department. A thesis is not required, but is an option for a maximum of two hours credit.

Each student will pass a comprehensive examination over material to be determined by the student’s committee.

M.S. OPTION FOR MATHEMATICS TEACHERS

This program differs from the above M.S. degree in the following ways:

1. The entering student should be a certified or prospective teacher of secondary mathematics.

2. Up to six hours of work taken in residence, which is needed to make up any deficiencies the student may have, may be included in the student’s graduate program.

3. Course requirement (5) for the M.S. degree is replaced by the following requirement: the student’s program will include at least three hours of directed reading/independent study in mathematics education (a maximum of nine hours in education may be counted in the degree program).

DUAL MASTER OF BUSINESS ADMINISTRATION/MASTER OF SCIENCE DEGREES

The Master of Business Administration/Master of Science degree in mathematics program is available for those students who wish advanced training in both fields of study. The combined degree program consists of fewer hours than the total number normally required for the two degrees taken separately. See graduate section of this catalog for a description of this dual degree option.

Doctoral Programs

DOCTOR OF PHILOSOPHY

In order to be admitted to the Ph.D. program in mathematics, a student should first have completed a master’s degree or equivalent. A total of at least 90 hours of graduate-level work is required for this degree, of which two hours may be master’s thesis (5980) or special problems (5990). A student who desires to study for the doctorate must pass a qualifying examination. A syllabus of the material covered by the examination is available in the departmental office. The examination may be repeated only once. This examination covers the first-year graduate sequences in algebra, analysis, and topology. After the qualifying examination and after an agreement has been reached with a thesis advisor, the student then requests an advisory conference to determine a program in the area of interest.

The 90-hour program for the degree must include the following sequences of mathematics courses numbered above 5000:

1. A sequence of 12 hours (including seminars) in one of the major areas of mathematics;

2. Sequences of six hours in each of three other areas;

3. A thesis representing an original contribution to mathematical knowledge.

The candidate chooses the sequences in consultation with his/her Advisory Committee, which is responsible for determining the scope and character of the program of study.

The student will normally participate in seminars and colloquia in addition to the coursework.

Reading proficiency in one foreign language is required.

Ph.D. — Option in Undergraduate Mathematics Curriculum and Pedagogy Research

A student who desires to study for this option of the mathematics doctorate must pass the qualifying review at a level appropriate for this option as determined by the Graduate Committee in consideration of the student’s record and qualifying examination performance.

A total of at least 90 hours of graduate-level work is required for this degree. The program must include the following:

1. An approved combination of 9 hours of reading, seminar and other mathematics courses numbered above 5000 in research in mathematics curriculum and pedagogy.

2. Approved sequences of six hours of courses numbered 5000 or above in each of two areas of mathematics, excluding courses used for the master’s degree.

3. An approved combination of no less than 18 hours of relevant courses above the 5000-level inside or outside the department to provide the necessary tools for research in undergraduate mathematics curriculum and pedagogy.

4. A thesis representing an original contribution to research in undergraduate mathematics curriculum and pedagogy. The program will include at most 15 hours of MATH 6980, Dissertation Research.

The candidate chooses the sequences in consultation with his/her Advisory Committee, which is responsible for determining the scope and character of the program of study. The 18 hours of research tool courses required
above replace the foreign language requirement for this option of the mathematics doctoral program. Students will normally participate in seminars and colloquia in addition to coursework.

Support
Extensive support is available for students enrolled in a graduate program in Mathematics. The department has a limited number of fellowships available; all students are automatically considered for these fellowships. Although both teaching and research assistantships are available, incoming students are generally considered only for graduate teaching assistant appointments.

Application materials are available online at http://math.ou.edu/grad/. Applications for support are accepted at any time; however, the majority of offers are extended from February to May of each year.

A student who English is not a native language must submit their score on TOEFL or IELTS in order to be considered for a teaching appointment.

---

**Medieval and Renaissance Studies**

Luis Cortest, Professor of Modern Languages, Literatures and Linguistics, Adviser

780 Van Vleet Oval, Room 202
Norman, OK 73019-2032
Phone: (405) 325-4465
FAX: (405) 325-0103
Internet: http://www.ou.edu/cas/modlang/
e-mail: lcortest@ou.edu

**MINOR**

The undergraduate minor in Medieval and Renaissance Studies is an attractive opportunity for students who wish to gain further understanding of medieval and Renaissance culture beyond the traditional disciplinary parameters. Fascinating in their diversity, medieval and Renaissance arts, literature, history, science, and philosophy offer rich material for study in their own right and also reveal the foundations upon which the achievements of subsequent periods were built.

The minor consists of 18 hours, including nine at the upper-division level. Six hours must be completed in each of the three core areas from courses listed below (excluding courses in the major department). No more than three of the 18 hours may be independent study. MRS courses may substitute in any area where appropriate and as approved by the MRS advisor. No major in Medieval and Renaissance Studies is offered; students wishing to concentrate on these areas of study are best served by majoring in another humanities discipline while pursuing a Medieval and Renaissance Studies minor.

**I. History and Philosophy**

History: 1113, 1223, 2683, 3060 (topics in Medieval History), 3113, 3133, 3143, 3323, 3363, 5300 (Directed Readings in Medieval History).

History of Science: 3013, 3453, 3823.

Philosophy: 3313, 3423, 5313.

**II. History of the Arts**

Art History: 4233, 4243, 5990 (Special Studies: Medieval/Renaissance).

Drama: 3713.

Music History: 2313, 4970 (Undergraduate Seminar: Medieval/Renaissance), 5523, 5543.

**III. Literature**

English: 2513, 2543, 3513, 3523, 3533, 4133, 4413, 4513, 4523, 4533, 4543, 4553, 5523, 5533, 5543.

French: 4153, 5313, 5323, 5603, 5613.

German: 4313, 4603, 5113.

Spanish: 4153, 5203, 5333, 5713.

**Modern Languages, Literatures, and Linguistics:** MLLL/English 3573, MLLL 3000 (Literature in Translation: Medieval/Renaissance).

**Medieval and Renaissance Studies (MRS):** 3013 (Medieval Literature in Translation); 3903 (Seminar in Medieval Culture), 3990 (Independent Study), 4013 (Materials and Methods), 4903 (Seminar in Medieval Culture), 4990 (Independent Study).

---

**Department of Modern Languages, Literatures, and Linguistics**

Pamela Genova, Chair
Logan Whalen, Graduate Liaison

202 Kaufman Hall
Norman, OK 73019-4052

Phone: (405) 325-6181
FAX: (405) 325-0103
Internet: http://www.ou.edu/cas/modlang/
e-mail: modlang@ou.edu or, graduate information: mlllgradinfo@ou.edu

**Faculty Roster**

Professors Genova, Cui, Lantelme, Lauer; Associate Professors Abramson, Baer, Boggs, Cortest, Fukushima, Haag, Houston, Johnson, Kritz, LaGreca, Long, Schutjer, Sullivan, Whalen, Winston, Wray, Yu; Assistant Professors Al-Masri, Bell, Colin, Heffes, Herrick, Kimoto, Lemon, Rutsala, Takano, Zhu; Professors Emeritus Dunn, Feiler, Karriker, Madland, Melivojevic, Tolson; Associate Professors Emeritus Barnes, Brueckner, Davis, Di Pace-Jordan, Huseman, Larsen; Assistant Professor Emeritus Fife.

**Degrees Offered**

- Bachelor of Arts
- Master of Arts
- Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. Please refer to the Graduate College section of this catalog for general information on graduate programs.

**General Information**

The main goal of the department is to enable students to speak, understand, read and write a foreign language. The department also strives to impart to the students an understanding of the culture or cultures in which that language is spoken, its history, and its present situation. In the literature courses, more than improved reading skills are sought; studying the literature of a foreign language brings together all of the skills the students have learned, opens to discussion a wide variety of topics, and provides a great source of knowledge. The department does not deal solely with the matter of preparing students for certain careers; the faculty believes in providing a more complete education and better understanding of life for every individual. Faculty advisers are available in each language to provide educational guidance according to students’ interests and goals.
Programs for Academic Excellence

Students are encouraged to study abroad as an enhancement to their degree programs. Summer or semester and year-long exchange programs in South America, Europe, Asia, and Africa are available to all students.

Special Facilities

The Modern Languages Learning Center is a state-of-the-art computer facility that provides students a wealth of resources for studying and learning modern languages. The Learning Center boasts a large library of digitized listening files, Web activities, language-learning software, and video/DVD materials. Listening materials and Web activities are available to students in the Learning Center and via the remote connection to the Internet.

Careers

The study of languages and literatures combines preparation for a career with a more sophisticated understanding of the world. Students who develop an awareness of languages and literatures are able not only to understand the world better but also to contribute more to society. Although teaching languages and literatures is a popular and satisfying career option, some language majors serve their country in the Diplomatic Corps, while others enter the private sector and a wide variety of business fields.

Scholarships and Financial Aid

Graduate assistantships are available through the department. All graduate assistants are required to enroll in MLLL 4813 during their first semester. In addition, graduate assistants are required to enroll in a minimum of six credit hours of graduate-level courses per semester. For information on scholarships, students should contact the department.

Undergraduate Study

BACHELOR OF ARTS DEGREE

The department offers the Bachelor of Arts degree with majors in Chinese, French, German, Russian, Spanish and Linguistics. Beginning language courses do not count toward the major. In the second year, students focus on improving the basic skills of speaking, understanding, reading, and writing while gaining some exposure to the culture and the literature of the language. The third year generally focuses on improving conversation skills and pronunciation, acquiring a stronger understanding of the grammatical rules of the language, and reading a limited number of complete literary works. In the senior year, majors study civilization and literature from its origins to the modern era.

COURSE PLACEMENT

Students who have completed two or more years of high school foreign language and who wish to continue their foreign language study at the University will be placed in appropriate courses based on their scores in the placement exam. Students who have not completed the normal two-year high school language sequence should enroll in 1115. Those who wish to demonstrate higher proficiency should consult the placement adviser of the Department of Modern Languages, Literatures and Linguistics. Students have the right to appeal their course placement.

Placement examinations are administered during pre-enrollment periods as well as during regular enrollment periods. The examination is also given during the pre-enrollment period in the summer for new students planning to enroll in the University in the fall. Students should check with the Department of Modern Languages, Literatures, and Linguistics concerning the specific place and dates on which such examinations will be given.

NATIVE SPEAKER POLICY

For departmental purposes, the Department of Modern Languages, Literatures, and Linguistics defines a native speaker of a language as any individual who has been raised in a family and a society where this language is habitually used for everyday communication and is the language of instruction in the student’s school system.

To satisfy the General Education language requirement, native speakers must obtain a waiver of language requirement form from the Department of Modern Languages, Literatures, and Linguistics and take an appropriate test.

A native speaker may not enroll in any undergraduate skills course in his or her native language, with the single exception of the course in Advanced Composition 3423, but may earn credit by advanced standing exams. Undergraduate skills courses include all courses in which the primary goal is language usage, i.e., all elementary and intermediate courses, and all composition, conversation and phonetics courses. However, this does not preclude native speakers from earning credit by advanced standing exams.

If a student seeks a teaching certificate with a major in his or her native language, the student must complete the advanced composition course, as well as all literature and civilization courses or equivalent required for the major. If additional hours are needed in order to meet the 35 hour certification requirement for a language major, the student may apply for retroactive credit for as many hours of skills courses as are needed to meet that requirement, provided that a grade of B or higher was earned in Advanced Composition. Such hours are entered on the student’s transcript, but under no circumstances may they count toward any MLLL degree program at the University of Oklahoma.

Major Requirements

MODERN LANGUAGES

The following courses may not be counted as major work: 1000-level courses; RUSS 2003; SPAN 3623, 3723, 3733, 3743. Students majoring in a modern foreign language also may work toward a standard secondary teaching certificate in foreign language. Information concerning teaching certificate programs will be found in this catalog under the Arts and Sciences TE+ program of the College of Education degree programs.

Chinese

All major students are required to take 2113, 2223, 3113, 3223, 3323, 4113, 4533, 4543, 4643, 4993; two courses in Chinese literature and culture: MLLL 3753 and MLLL 4753; as major support requirements, take one course in Chinese history approved by Chinese adviser and one course in Chinese philosophy or Chinese politics approved by Chinese adviser or any equivalent approved by Chinese adviser.

French

The following courses are required for major students: 2113, 2223, 3083, 3423, 3853, 4153, 4163, 4313, 4323, 4993; one course in French taken at the 3000-level or above, to be approved by adviser; a course in modern European history; and demonstrate an elementary knowledge of another classical or modern language, either by course credit (up to 10 hours), CLEP, or advanced standing exam.

German

All major students are required to take 2113, 2223, 3223, 3423, 3853, 4333, MLLL 3823; one of the following: 3523, 3623 or 3723; plus four courses at the 4000-level, one of which must be 4313 or 4323; and as a major support requirement, a history course (HIST 3263, HIST 3603) or an alternate course approved by an adviser and an upper division cognate course to be approved by adviser.

Russian

All major students are required to take the following courses: 2113, 2223, 3073, 3223, 3423, 4173, 4183, 4613; MLLL 3523, MLLL 3533. Students must also take two additional courses in Russian literature or culture: MLLL 3123, 3133, 3143, or another appropriate course with approval of the Russian adviser. Major support requirements: a History course from 2803, 3770, 3793, 3803, 3813, or any equivalent approved by the Russian adviser.
Spanish
All major students are required to take the following courses: 2113, 2223, 3073, 3423, 3853, 4093, 4103, 4153, 4163, 4183, 4313, 4323; and a course in the history of Spanish America or Spain and demonstrate an elementary knowledge of another classical or modern foreign language, either by course credit (up to 10 hours), CLEP, or advanced standing exam.

Linguistics
All students must complete 33 hours in the major. The following courses are required: LING 2303, 3033, 3053, 3353, 4983, PHIL 4133, and either LING 4313 or ENGL 4133. Additionally, students must choose four courses from the following: LING 3043, 4023, 4053, 4330, 4363, ANTH 3063, PHIL 4533, 4543, LING/PHIL 5143.

In addition, students must demonstrate significant experience in foreign language study, according to the following criteria:

For students who are native English speakers, the foreign language support requirement may be met by either obtaining a major or minor in a foreign language; or by two years of college instruction in one foreign language plus one year of college instruction in a second foreign language. For students who are native speakers of a language other than English and for whom English is a foreign language, the requirement will be met by proficiency in the native language as demonstrated by testing out at the third-year level (equivalent to the minor) with guidance by the departmental adviser; or satisfaction of the College of Arts and Sciences foreign language requirement in a language other than the native language.

Minor Requirements
Students majoring in other subjects may elect to minor in one of the modern languages listed below or in linguistics. The requirements are:

- Arabic: 1115, 1225, 2113, 2223, 3113, 3223, MLLL 3413.
- Chinese: 1115, 1225, 2113, 2223, 3113, 3223, MLLL 3753.
- French: 2113, 2223, 2243 or 2263, 3423 and six hours at the 3000- or 4000-levels.
- German: 2113, 2223, 2323, 3423 and six hours at the 3000- or 4000-level.
- Hebrew: 1115, 1225, 2113, 2223, 3113, 3223 and either MLLL 3063 or 3073.
- Italian: 2113, 2223, 3073, 3423, 3853, plus either MLLL 3303, 3373, or a course approved by the Italian adviser.
- Japanese: 2013, 2113, 2223, 3133, plus six hours to be chosen from any Japanese 3000- or 4000-level JAPN course, or MLLL 3213, 3223, 3623, 3633, 4183.
- Portuguese: 1115, 1225, 2113, 2223, 3113, 3223, MLLL 4113.
- Russian: 2113, 2223, 3233, 3423; and three hours from 3073, 4173, 4183, MLLL 3123, 3523, 3533.
- Spanish: 2113, 2223, 3073, 3423, plus six hours chosen from any 3000 or 4000 level SPAN course.
- Linguistics: LING 2303 and 3033, plus three courses from the following, for which the student has met the prerequisites: LING 3043, 3053, 3353, 4023, 4053, 4313, 4330, 4363, ENGL 4133, ANTH 3063, PHIL 4533, 4543.

Graduate Study

ADMISSION

The candidate’s application must be sent to the Office of Admissions, along with transcripts and any other required documents. The Office of Admissions forwards the completed application to the Graduate College where it is reviewed before the department can make a decision regarding the candidate’s admission to the program. The department’s admission recommendation is contingent upon final approval by the Graduate College.

Requirements for admission to full graduate standing in the department are as follows:

1. A bachelor’s degree (or equivalent) in French, German or Spanish or equivalent hours in the major.
2. A 3.00 grade point average in the last 60 hours of undergraduate coursework.
3. Three letters of recommendation.
4. A narrative statement of intent in the language concerned, in which are described the applicant’s accomplishments and plans for the future.
5. Non-native speakers applying to the M.A. or Ph.D. program in French must submit a three-minute voice recording in French.

Applications who have not fulfilled the following undergraduate requirements must do so in the course of their graduate program:

1. Two semesters or ten hours of another modern or classical language, or students may demonstrate reading competency by taking a departmental graduate reading exam.
2. One college-level course in European history (or Spanish or Latin American history for Spanish).

Master of Arts Degree

M.A. degrees in French, German, and Spanish are offered in both a thesis and a non-thesis program.

NON-THESIS — Students in the non-thesis program must complete 32 hours of acceptable graduate-level coursework (including the courses specifically required) and receive a passing grade on the final comprehensive examination.

THESIS — Requirements for the thesis (program) in Spanish are 26 hours of acceptable graduate-level coursework, a thesis for which a maximum of four (4) thesis credit hours is granted, and a final comprehensive examination. Requirements for the thesis in French and German are 24 hours of acceptable graduate-level coursework, a thesis for which a maximum of six (6) thesis credit hours is granted, and a final comprehensive examination.

For coursework applied to an OU master’s degree:

1. No more than one-half of the credits for OU coursework, excluding research for the thesis (5980), may be S/U graded coursework; and
2. No more than one-half of the overall coursework (OU credit and transfer credit combined), excluding research for the thesis (5980), may be S/U graded coursework.

COMPREHENSIVE EXAMINATION

In Spanish, students enrolled in the thesis and non-thesis programs take the same M.A. comprehensive exam. In French and German, students in the non-thesis program take the comprehensive exam in six areas, while students in the thesis program take the comprehensive exam in only three areas, which are chosen by the student’s examination committee. Students are urged to take the examination no later than the sixth semester of graduate study.

The comprehensive examination is a written examination which is scheduled for the 12th and 13th week in each semester. It is based on courses taken by the student and works on the reading list. The entire major field is covered; work in the minor field is excluded. The General Candidacy Form for the M.A. degree must be on file in the Graduate College at least 30 days prior to the date of the M.A. comprehensive examination. Students who fail the examination may repeat it only once at the discretion of the committee.

The department notifies candidates and the Graduate College of the examination results. Candidates for the non-thesis degree who have completed all course requirements and the comprehensive examination file the report of the final examination with the Graduate College.

Students are responsible for complying with Graduate College regulations concerning applications for graduation and payment of fees. When all procedures have been completed, the student’s name is placed on the graduation list for the next commencement and the degree is awarded as of that date.
Doctor of Philosophy

Doctoral degrees with the following emphases are offered:
1. Romance language, consisting of a French major and Spanish minor or a Spanish major and French minor.
2. French, with a minor in a related field in the humanities or in education.
3. Spanish, with a minor in a related field in the humanities or in education.

**NOTE:** Only graduate-level courses (5000/-6000-level) are applicable toward the major and the minor.

The total number of hours required for the Ph.D. is 90 hours beyond the bachelor's degree, including credit earned for the M.A., if applicable to the Ph.D. program. The Romance language emphasis requires 45 hours of coursework in the major field, 25 hours in the minor field and one course in the history of romance languages. The Ph.D. degrees in French and Spanish require 61 hours of coursework in the major and nine hours in the minor.

For coursework applied to an OU doctoral degree:
1. No more than one-half of the OU coursework for a doctoral degree, excluding research for the dissertation (6980), may be S/U graded coursework; and
2. No more than one-half of the overall coursework (OU credit and transfer credit combined), excluding research for the dissertation (6980), may be S/U graded coursework.

Prerequisites for the Ph.D. degree in French and Spanish include the following:
1. Master's degree in the relevant literature or equivalent.
2. Three letters of recommendation.
3. 3.50 (on a 4.00 scale) on all graduate coursework presented on accompanying transcripts.
4. Students must demonstrate reading competency in a second language. In order to do so, they may take the departmental graduate reading exam or complete four semesters in another language.
5. The application must include a narrative statement of intent written in the target language. It must describe the applicant's accomplishments and plans for the future.

In addition, the Romance language emphasis requires 10 hours of Latin as a prerequisite.

Students entering the program are encouraged to show evidence of residence in a French- or Spanish-speaking country. A reading knowledge of a second language, for which an examination is administered by the department, is required for the Ph.D. degree in French or Spanish.

**Ph.D. GENERAL EXAMINATION**

The Ph.D. general examination is normally given during the 12th week of the semester as follows:

**FRENCH**

The exams will cover the following areas:
1. Major field or topic — taken directly from the student's field of specialization, such as nineteenth-century French prose;
2. Secondary field — a field outside of the student's specialization that has a direct relation to the major field, such as French travel narratives);
3. Genre and/or critical/theoretical field — related to the topic and/or methodological approach adopted by the student, such as the history of the novel or narratology;
4. An oral examination may be scheduled as a follow-up to the written exams. This will provide the examiners with the opportunity to clarify aspects of the exams deemed insufficient. No Ph.D. examinations, whether written or oral, may be scheduled during University finals week.

**Ph.D. Prospectus**

During the fall or spring semester following the qualifying exams, the student, working with the dissertation advisor, will write a dissertation prospectus approximately 10 pages in length. By the end of the semester in question, the student will be expected to conduct an oral defense of the prospectus. In order to facilitate the process, the prospectus will be circulated among members of the French graduate faculty at least two weeks before the oral defense. The prospectus should include an overview of the topic, a brief discussion of the methodological approach to be adopted, an outline of the chapters, and a bibliography. The text of the prospectus should conform to appropriate professional guidelines. In the event the committee does not approve the prospectus, the student may request an extension in writing. The dissertation committee will review all such requests. The student should note that the extension will not be automatically granted, but will be determined on a case-by-case basis.

**Spanish**

1. Examination in the area of specialization within the major: three (3) hours;
2. All other examinations in the major and minor fields: two (2) hours each. The examination in a minor field outside the department may take place during the regularly scheduled oral examination.

The oral examination is scheduled within two weeks after the last written examination. Students are required to present a prospectus of their dissertation at the oral examination (see dissertation below). No Ph.D. examinations, whether written or oral, may be scheduled during University finals week.

The general examination covers the entire major field and courses taken for the minor field. The Ph.D. committee is responsible for preparing the examination questions or for asking other graduate faculty to prepare questions in their specific area of specialization. The Ph.D. committee grades all portions of the examination.

In the case of inadequate results of the examination, two minor areas of the examination may be retaken. Failure in the area of specialization within the major and/or in more than two minor areas requires the retaking of the entire examination.

Upon successful completion of the Ph.D. general examination, students who do not hold an M.A. degree in their major field may be awarded one by making application and paying the required fees.

**Ph.D. DISSERTATION**

Students in the Ph.D. program are urged to choose a topic for their dissertation as early as possible. A dissertation prospectus (five pages minimum plus selected bibliography) is required at the time of the oral examination.

Candidates conducting research or writing their dissertations enroll in dissertation hours (French or Spanish 6980). Following the initial enrollment, a student must maintain continuous enrollment during each regular semester (summers excepted) in at least two (2) hours of 6980 until the degree is completed or the candidacy discontinued. Exceptions will be made for military service. However, enrollment in 6980 is mandatory in any semester or summer session during which the student is actually doing dissertation work regardless of other hours of enrollment.

Candidates must comply with graduate college regulations in applying for graduation and payment of fees. Please consult the Graduate College Bulletin for specific requirements. When all requirements have been fulfilled and all University procedures completed, the candidate's name is placed on the list for the following commencement, and the degree is awarded as of that date.
Native American Studies

Joe E. Watkins, Director
Barbara Hobson, Assistant Director
Jerry Bread, Outreach Coordinator
216 Ellison Hall
Norman, OK 73019-3119
Phone: (405) 325-2312
FAX: (405) 325-0842
Internet: http://www.ou.edu/cas/nas/

Degrees Offered

• Bachelor of Arts
• Master of Arts

Undergraduate Study

Bachelor of Arts

The Native American Studies Program at the University of Oklahoma is designed to provide students with basic skills in reading, writing, and analytical thinking and an understanding of cultural diversity through comparison of Native American and other cultural values and issues. The curriculum gives students a basic understanding of American history and the role that Native Americans have played in it; an understanding of contemporary social and political issues that affect Native American communities; an appreciation of the importance of art, music, and dance in Native American life; training with community-based programs that will prepare graduates to assume positions in government, education, social services, and tribal programs; and learning skills that will enable graduates to enter academic or professional programs at the graduate level.

The major is an interdisciplinary degree offered in the College of Arts and Sciences. Students will take a core of courses offered by NAS faculty and select from courses in several departments, including anthropology, English, history, music, fine arts, communications, and geography. Students will also have the opportunity to take one of a number of native languages that the University offers.

The major requires a minimum of 39 hours, including 21 at the upper-division level. The course requirements are as follows:

Core Requirements (30 hours)

ANTH 2613, Native Peoples of North America
ENGL 2733, American Indian Literature: Early and Traditional; or 2743, American Indian Literature: Modern and Contemporary
HIST 3633, The American Indian to 1870, or 3643, The American Indian: 1870–present
NAS 1013, Introduction to Native American Studies
NAS 3863, Native American Research Methods
NAS 4013, Senior Capstone
NAS 4803, Native American Sovereignty
NAS 4913, American Indian Education Policy, or NAS 4933, Intro. to Tribal Economic Development
NAS 4920, Internship (3 hours)

One course from the following: MUNM 3213, Native American Music; A HI 4803, North American Indian Prehistoric Art; A HI 4813, 19th Century North American Indian Art History; A HI 4823, 20th Century American Indian Art History; ARTC/NAS 4693, Native American Artist; ARTC/NAS 4893, Contemporary Native American Artist II; NAS 3333, Native American Film.

Major Support Requirements (12 hours)

In addition, 12 semester hours not used toward the major core area must be completed from the following list for major support:

• A HI 3803, 4803, 4813, 4823; ARTC/NAS 4693.
• ENGL 3253, 3353, 4033, 4343.
• ANTH 1613, 3453, 3503, 3893, 4653, 4663, 4673, 4693, 4703, 4813, 4873; COMM 2313; GEOG 4563; HIST 1543, 3430, 3703; MUNM 3213; NAS 3113, 3333, 3693, 4833.

Majors must meet the College of Arts and Sciences language requirement by studying a native language. Majors must complete 2 introductory-level Native American language courses (ANTH/NAS/CREK/KIOW 1713 and 1723, CHER/CHOC 1715 and 1725, or the equivalent) plus a 2000-level course in a Native American language (ANTH/NAS/cher/Choc/Crek/Kiow 2733).

Departmental 4990 courses will apply as approved by the director of the degree program. A maximum of six of these hours will apply. Open topics courses such as Communication 3810, NAS 3693, and History 3430 will be limited to six hours.

MINOR

The undergraduate Native American Studies minor requires a minimum of 15 hours of courses acceptable for major credit, including nine upper-division hours. The following specific requirements must be met; one course from each of the following four groups:

1. ENGL 2733, 2743, 3013, 3433.
2. ANTH 2613; HIST 1543, 3633, 3643.
3. NAS 4803, 4913, 4933; ANTH 3453.
4. A HI 4803, 4813, 4823, 4833; MUNM 3213; ARTC/NAS 4693.

Students will select one additional course from the following: ANTH 1613; 3503; 4653; 4663; 4673; 4693; 4813; A HI 3803; COMM 2313; ENGL 3253; 3353 4343; GEOG 4563; NAS 3113; 4913; 4933.

Graduate Study

Master of Arts

The master’s degree in Native American Studies is designed to allow students to expand their knowledge of American Indian cultures and strengthen their skills in writing, critical analysis of arguments and problem solving. The curriculum focuses on the study of American Indian culture, history, arts and contemporary policy issues. By bringing several disciplinary approaches to bear on a particular group of people, it allows students to deal with multiple perspectives on issues such as tribal identity, aesthetics, cross-cultural communication and conflict, and formation of federal policy.

The program has the flexibility to meet the needs of graduating seniors who wish to pursue graduate work leading toward doctoral study and careers in college teaching, employees of American Indian tribes and government agencies who want to further their careers, K-12 teachers who need graduate work to maintain certification, and individuals who are simply seeking to increase their knowledge of and skills in interpreting American Indian cultures and concerns.

The master of arts degree in Native American Studies requires a minimum of 30 hours of coursework, including seminars in history, English, anthropology, art criticism, and ethnomusicology; two courses chosen in consultation with the student’s graduate adviser, which may be regularly scheduled seminars or directed readings; a one-hour seminar on thesis writing; and research for the thesis. Courses that meet these requirements are drawn from the following:

• A HI 5823, 20th-Century American Indian Art History
• A HI 5833, Survey II: North American Indian Prehistoric Art
• A HI 5843, 20th Century Hispanic and Latin American Art History
• ANTH 5223, Theories of Culture
• ANTH 5803, Theories of Identity
• ANTH 5823, Contemporary Native American Ethnology
• ARTC 5893, Contemporary Native American Artist II
• ENGL 5333, Native American Women Writers
• ENGL 5333, Native American Fiction
• ENGL 5353, Native American Poetry
• ENGL 5363, Native American Non-Fiction and Criticism

• ENGL 5363, Native American Non-Fiction and Criticism
• ENGL 5333, Native American Fiction
• ENGL 5353, Native American Poetry
• ENGL 5363, Native American Non-Fiction and Criticism

• ENGL 5363, Native American Non-Fiction and Criticism
• ENGL 5333, Native American Fiction
• ENGL 5353, Native American Poetry
• ENGL 5363, Native American Non-Fiction and Criticism
• ENGL 5373, Graduate Topics in Native American Literature
• HIST 5050, Federal Indian Law
• HIST 6400, Seminar in American History, 1-4 hours
• MUHI 5970, Native American Music
• NAS 5103, Interdisciplinary Seminar
• NAS 5050, Directed Reading in Native American Studies
• NAS 5971, Pre-Thesis Seminar
• NAS 5980, Research for Master’s Thesis

Department of Philosophy

Hugh Benson, Chair
Wayne Riggs, Graduate Liaison
Zev Trachtenberg, Undergraduate Liaison
605 Dale Hall Tower
Norman, OK 73019-2006
Phone: (405) 325-6324
FAX: (405) 325-2660
Internet: http://www.ou.edu/cas/ouphil/

Faculty Roster
Professors Benson, Cook, Elugardo, Sankowski, Swoyer, Zagzebski;
Associate Professors Badhwar, Ellis, Hawthorne, Montminy, Olberding,
Riggs, Trachtenberg; Assistant Professors Irvin, Judisch.

Degrees Offered
• Bachelor of Arts
• Master of Arts
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. For additional information on graduate programs, individual documents detailing each graduate program are available from the Graduate College and their Web site at http://gradweb.ou.edu/. This information is updated yearly and should be referred to for requirements of each graduate program.

General Information
The department offers broad training in the major fields of philosophy, with particular strengths in ethics, the history of ancient and modern philosophy, logic, metaphysics, epistemology, philosophy of religion, philosophy of language, philosophy of mind, and political philosophy. A low graduate student/faculty ratio ensures individual attention for all graduate students. In addition to a wide range of courses, the department provides a rich and lively philosophical environment, with a good deal of informal interaction between faculty and students supplementing coursework and related activities. Additional information can be found on the department home page (address listed above).

Programs for Academic Excellence
Kingfisher College, Kingfisher, Oklahoma, discontinued giving instruction in 1927. An agreement with the trustees of the college provided for transferring a part of the library of the college to the University, for administering the Kingfisher College records for each graduate of Kingfisher College, recognizing the merits of the degree held by each, and inviting the holder to become associated with the alumni of the University.

In 1951 the trustees of the college and the regents of the University jointly established a chair in the Department of Philosophy named Kingfisher College Professor of Philosophy of Religion and Ethics. Since its origin this chair has been expanded into an operative section of the Department of Philosophy, including both graduate and undergraduate level courses.

Undergraduate Study

Bachelor of Arts Degree
Undergraduate studies in philosophy provide a broad background for a variety of disciplines and intellectual pursuits. Students planning a career in college teaching, law, medicine or the ministry will find these studies especially useful. Two majors are offered: philosophy, and ethics and religion.

PHILOSOPHY
The philosophy major is an excellent preparation for professional graduate programs in business, medicine, and law, and for graduate programs in philosophy. It is also ideal as a second major in conjunction with physics, psychology, economics, political science, or literature. But perhaps most importantly, the philosophy major fosters a sense of wonder, and provides a rigorous intellectual method for gaining understanding of oneself and the world. By learning about the heritage of philosophical examination, students acquire an informed basis for arriving at their own conclusions about their most basic beliefs and values. Philosophy encourages students to become critical thinkers — to reason clearly and correctly concerning important and fundamental issues.

The ability to write clear, coherent papers is essential to philosophy. Philosophy majors receive specialized training in writing for the field in a Writing Workshop, and they must take at least two majors-only courses, in which they have intensive writing requirements.

Undergraduate philosophy majors are required to complete 31 hours in the field. They must take three courses in the history of philosophy, at least two of which must be the majors-only version (the 38xx numbered course): History of Ethics (3253 or 3853), Ancient Philosophy (3313 or 3813), and Modern Philosophy (3333 or 3833). In conjunction with one of the majors-only courses they must take the Writing Workshop (3811). They must also take Symbolic Logic (4133) and either Metaphysics (4513) or Epistemology (4523). A maximum of nine hours of lower-division courses may be used to satisfy major requirements. The Senior Capstone in Philosophy (PHIL 4893) is required of all majors. Students must earn a grade of C or better to receive credit for PHIL 4893.

ETHICS AND RELIGION
The ethics and religion program is offered in recognition of the significance of studies in ethics and religion to the development of informed and sensitive students. The program serves an important and widespread interest among students and the University’s larger community.

Courses for the ethics and religion major are drawn chiefly from Philosophy, but students may also use relevant courses from other departments as cognate studies. Cognate courses are chosen in consultation with a departmental adviser, and are usually from Anthropology, Classics, English, History, Political Science Sociology, and Religious Studies. This ethics and religion program is enriched by the Bizzell Bible Collection of more than 700 items and a notable collection of monographs and journals dealing with social, ethical and religious themes.

Like philosophy majors, ethics and religion majors are also given training in writing for philosophy. They must take at least one majors-only course, and Writing Workshop.

Ethics and religion majors are required to complete at least 31 hours. Required philosophy courses include: Intro. to Philosophy of Religion (2403); History of Ethics for Majors (3853); three courses from a list of courses in ethics, philosophy of religion, and history of philosophy (1203, 3293, 3313 or 3813, 3333 or 3833, 3423, 3433, 3443, 3713, 4293); and the Writing Workshop (3811). In addition, the Senior Capstone in Philosophy (PHIL 4893) is required of all majors. Students must earn a grade of C or better to receive credit for PHIL 4893.

Ethics and religion majors may choose, as their electives, a minimum of 12 hours of coursework from other disciplines related to studies in ethics and religion or from other philosophy courses. Appropriate courses shall be determined in consultation with the student’s adviser. A minimum of 15 hours of upper-division courses must be used to satisfy major requirements.
Minor
The minor requires at least 18 hours of philosophy, nine of which must be upper division, including Philosophy 1103 or 1113; 3313 or 3333; and a course from one of the following areas: aesthetics, ethics, philosophy of religion, social and political philosophy. Students with special interests should consult one of the undergraduate advisers.

Courses for Non-Majors
Most students who take philosophy courses are not philosophy majors. The topics covered by philosophy — e.g., moral, legal, aesthetic and religious values, logic, the theory of knowledge and the history of human thought on these subjects — are of interest to most college students, and many philosophy courses satisfy general education requirements. Nonmajors are welcome in any course for which they have the appropriate prerequisites. Consult the course descriptions for information on prerequisites for courses above 3000.

Graduate Study

REQUIREMENTS FOR ADMISSION
Applicants must satisfy the general requirements of the Graduate College, to which application should be made initially and transcripts sent. The department also requires the following:
1. Brief statement of purpose;
2. Scores on the GRE verbal, quantitative, and analytic examinations;
3. Unofficial copies of transcripts
4. Three letters of recommendation (preferably from teachers familiar with the student’s work);
5. A writing sample (e.g., an undergraduate essay), and
6. A minimum TOEFL score of 575 (if administered in written format) or 233 (if administered on computer) for all applicants for whom English is a foreign language.

Applicants who intend to leave OU after completing the Master’s degree should apply to the M.A. program. Applicants who wish to obtain a Ph.D. Degree from OU should apply to the Ph.D. program. Students admitted to the Ph.D. program are offered a graduate assistantship.

PREREQUISITES FOR FULL GRADUATE STANDING
It is normally expected that entering graduate students will have completed undergraduate work in logic and in the history of philosophy (ancient and modern). Students with a deficiency in one or more of these areas may be required to complete the appropriate undergraduate course(s) or to establish competency by special examination.

Master of Arts Degree

THESS PROGRAM
The thesis option requires a minimum of 30 hours of graduate work, up to four of which may be thesis research. Students who have not taken the equivalent of “Symbolic Logic I” before coming to OU are required to take the course as part of the Master’s program. (Required courses must be passed with a grade of B or better.) With approval of the graduate adviser, up to eight hours may be taken outside the department. After deciding on the thesis topic in consultation with the graduate adviser, the student should begin work on the thesis well in advance of the time he or she expects to receive the degree. Additional details are available from the department.

NON-THESIS PROGRAM
The non-thesis option requires a minimum of 36 hours of graduate work. All required courses must be passed with a grade of B or better. With approval of the graduate adviser, up to eight hours may be taken outside the department. Additional details are available from the department.

Doctor of Philosophy Degree
The Ph.D. requires a minimum of 90 hours of graduate work, of which a maximum of 30 hours may be dissertation research. “Symbolic Logic II,” nine hours of history of philosophy (at least three in ancient and three in modern), nine hours of metaphysics and/or epistemology (at least three in metaphysics and three in epistemology), and nine hours of ethics (at least six in non-applied ethics) are required. All required courses must be passed with a grade of B or better. With approval of the advisory committee, up to 12 hours may be taken outside the department. Students in the Ph.D. program must pass a qualifying exam in their first or second year as described in the graduate syllabus. Doctoral candidates should be thoroughly familiar with the general requirements of the Graduate College. Where it is deemed necessary, the advisory committee may require proficiency in one or more foreign languages. After successfully completing a general examination in the student’s special field, followed by an oral examination, the student will prepare and submit a dissertation, which is supervised by the student’s dissertation committee. For further details, see the section “Doctoral Dissertation” in the General Catalog.

Contact the department for a copy of the graduate syllabus, which provides detailed information on graduate programs in philosophy.

Homer L. Dodge Department of Physics and Astronomy

Ryan Doezema, Chair
Eric Abraham, Graduate Liaison
100 Nielsen Hall
Norman, OK 73019-0225
Phone: (405) 325-3961
FAX: (405) 325-7557
Internet: http://www.nhn.ou.edu/
e-mail: inquiry@mail.nhn.ou.edu

Faculty Roster
Professors Baron, Branch, Cowan, Doezema, Furneaux, Gutierrez, Henry, Johnson, Kantowski, Milton, Morrison, Parker, Romanishin, Santos, Skubic, Strauss, D. Watson; Associate Professors Abbott, Abraham, Kao, Leighly, Mason, Mullen, Murphy, S. Ryan, Shafer-Ray, Wang; Assistant Professors Bumm, Shafer.

Degrees Offered
- Bachelor of Science
- Bachelor of Science in Physics
- Bachelor of Science in Astrophysics
- Doctor of Philosophy

Information on both undergraduate and graduate programs is included, however, the general information contained in this section mainly covers undergraduate study. For additional information on graduate programs, individual documents detailing each graduate program are available from the Graduate College and their Web site at http://gradweb.ou.edu/. This information is updated yearly and should be referred to for graduate program requirements.

General Information
The Homer L. Dodge Department of Physics and Astronomy has a long tradition of educating scientists, engineers and science teachers who have achieved distinguished careers as researchers and leaders in industry and education.
Innovative education programs have been an integral part of the department since its inception and are still our tradition. Our graduates include a former Science Advisor to the President of the U.S., who was previously director of NSF, one president of a state university, one U.S. ambassador, five founders of corporations, one famous Arctic explorer, the founder and first editor of the American Journal of Physics, three other journal editors, three inventors, seven research laboratory managers, seven department chairs, one Rhodes Scholar, two Guggenheim Fellows, 76 university professors, and more than 500 other people devoted to advancing knowledge and improving the quality of life.

Programs for Academic Excellence
In addition to our own faculty, post-doctoral fellows and weekly colloquium speakers promote academic excellence within the department. With additional support from state monies and private endowment, the department hosts a large number of visiting scientists each year who bring the latest developments in their areas of interest and who present opportunities to exchange scientific ideas.

The department offers all undergraduate majors the opportunity to perform research with faculty mentors and runs a federally funded summer research program for undergraduates from all across the country.

Additionally, the Society of Physics Students (SPS) has an active chapter at the University.

Special Facilities and Programs
The Homer L. Dodge Department of Physics and Astronomy possesses an excellent scientific library of about 20,000 volumes and more than 150 journal subscriptions. Ancillary library holdings include the world-famous History of Science Collection. A professionally staffed machine shop is available as well as an in-house machine shop for use by students. The department has well-equipped laboratories for research in laser cooling and trapping of atoms and molecules, atomic and molecular collisions, nanostructured materials and devices, materials characterization, and high-energy physics instrumentation. We are also home to a multimillion dollar NSF funded Materials Research Science and Engineering Center. This center greatly expands our research effort in nanostructures. Additionally, many programs make use of facilities at national laboratories, such as CLEO, Fermilab, and Los Alamos. The high-energy group is part of the DOØ and ATLAS collaborations. Our astronomical researchers use national observatory facilities at Arecibo, VLA, Kitt Peak, Cerro Tololo and the Hubble Space Telescope. We also have a small on-campus observatory for class use and public viewing.

Scholarships and Financial Aid
The department offers a number of scholarships each year to students majoring in physics, astronomy, or engineering physics. The scholarships range from $600-$1,500 per academic year and are renewable. Applications (consideration deadline March 15 for following fall) may be obtained from Undergraduate Programs-Physics, 100 Nielsen Hall, Norman, OK 73019-0225.

Teaching and research assistantships are offered on a competitive basis to graduate students. Departmental applications for graduate study may be requested from: Graduate Programs-Physics, 100 Nielsen Hall, Norman, OK 73019-0225.

Undergraduate Study

Introductory Courses
Physics 1205 and 1215 form a basic sequence for physics, astrophysics and astronomy majors starting the first semester of the freshman year. Physics 2414 and 2524 comprise a two-semester basic sequence for engineers and other physical science majors who need to satisfy a physics requirement. Physics 2414 and 2424 comprise a two-semester sequence for premedical, medical technology, life science and other majors who require a non-calculus introductory physics course.

Duplicate credit may not be received for 1114, 1205, 2414, 2514; for 1215, 2424, 2524; nor for Astronomy 1504 and 1514. Physics 1114, 1453, and Astronomy 1504 may not be counted as major work.

Physics Degrees
The student whose major is physics may work for the professional degree of Bachelor of Science in Physics or for the standard degree of Bachelor of Science, both of which are awarded by the College of Arts and Sciences. The engineering physics program is an interdisciplinary degree program which combines the course offerings and research activities of the Homer L. Dodge Department of Physics and Astronomy and the College of Engineering. This degree program is offered by the College of Engineering and detailed information concerning the program can be found in the College of Engineering section of this catalog.

To earn the professional degree the student must complete 45 hours of major work in physics, including the following courses: Physics 1205, 1215, 2203, 2303, 3043, 3053, 3183, 3202, 3312, 3803, 4153, 4300 (four hours); two courses chosen from 4183, 4213, 4243, 4803, 4813. Chemistry 1315 or its high school equivalent, Mathematics 2443, 3413, 3423, and three additional hours of mathematics at the 3000-level or above are also required.

To earn the standard degree the student must complete 37 hours in physics, including Physics 1205, 1215, 2203, 2303, 3043, 3053, 3183, 3302, 3803, 4300 (four hours) and one additional physics course at the 3000-level or above. Chemistry 1315 or its high school equivalent and Mathematics 2443 and 3413 are also required.

Astrophysics Degree
Students whose major interest is the application of physics to modern astrophysics may work for the professional degree of Bachelor of Science in Astrophysics.

To earn this degree the student must complete 49 hours of major work in physics and astronomy. The following courses must be included: Physics 1205, 1215, 2203, 3043, 3053, 3183, 3302 or 3312, 3803, 4153, 4300 (four hours); and Astronomy 2513, 3103, 3113, and 4303, plus one of the following Mathematics 3423, Physics 4183 or Physics 4803. Mathematics 2443 and 3413 are also required.

It is also recommended that the student complete a course in astronomy at the 5000-level.

Turn, turn, turn! The Foucault pendulum suspended in the recent addition to Nielsen Hall confirms the rotation of the earth. Knocking over pins on the floor below, the pins reset automatically each day at 7 a.m. (Photo by Angela Startz)
Astronomy Degree
The student whose major is astronomy may work for the standard degree of Bachelor of Science.
To earn this degree the student must complete 35 hours of major work in physics and astronomy. The following courses must be included: Physics 1205, 1215, 2203, 3043, 3053, 4300 (four hours); Astronomy 2513, 3103, 3113, and one of HSCI 3013, HSCI 3023 or a physics course at the 3000 level or above. Chemistry 1315 and Mathematics 2443, 3413 are also required.

All Undergraduate Degrees
A grade of C or better must be earned in each required physics, astronomy and mathematics course. A course in the history of science is recommended for all degrees.
For purposes of applying the 48 hour rule (see general college regulations), physics and astronomy are considered to be separate departments except that no more than 72 credit hours in physics and astronomy combined may be counted toward the minimum 120 hours required for graduation.
More information on the physics, astrophysics, astronomy and engineering physics programs, including a complete semester-by-semester curriculum, may be obtained by writing or calling the Homer L. Dodge Department of Physics and Astronomy, University of Oklahoma, Norman, OK 73019-2061, (405) 325-3961; or http://checksheets.ou.edu and select Arts and Sciences.

Minors
Minors are offered in physics and astronomy. The minor in physics requires Physics 1205*, 1215*, 2203, and 3043, plus one of 3053, 3183 or 3803. Mathematics 3413 is also required. (*Physics 1205 and 1215 may be replaced by Physics 2514 and 2524 plus 1311 and 1321 or 2302 or 3302).
The minor in astronomy requires Physics 1205*, 1215*, 2203, 3043, and Astronomy 2513, 3103, and 3113. Mathematics 2443 is also required. (*Physics 1205 and 1215 may be replaced by Physics 2514 and 2524 plus 1311 and 1321 or 2302 or 3302).

Graduate Study

AREAS OF SPECIALIZATION
Research areas available for both M.S. and Ph.D. degrees include astronomy, astrophysics, atomic, molecular and optical physics, condensed matter, high energy, and applied physics.

Admission Requirements
In addition to the general admission requirements of the Graduate College, a student must have completed the equivalent of the following courses to attain full graduate standing: Math 3113; Physics 3054, 3183, 3803, and 4153. The graduate selection committee will determine if these prerequisites have been satisfied.

Master Of Science Degree
The department offers Master of Science programs with or without the thesis.* The thesis program requires the student to complete at least 30 hours of prescribed coursework and present a thesis detailing results of a research investigation. The nonthesis program requires the student to complete at least 32 hours of prescribed coursework and pass the department’s Qualifying examination. This will serve as the comprehensive examination required by the Graduate College.
For the thesis program the student must complete at least 18 hours of physics and astronomy courses numbered 4000 or above. These hours must include two to four hours of Physics 5980. For the nonthesis program the student must complete at least 20 hours of physics and astronomy courses numbered 4000 or above. These 18 (or 20) hours may not include prerequisite courses Physics 4153, 4300, Astronomy 4303, or 4510.
The student must also complete at least 12 hours of other graduate coursework, which may include Physics 4153, 4300, Astronomy 4303, and 4510, or their equivalent.

Master Of Science (Engineering Physics)
The Master of Science degree in engineering physics is offered as either a thesis or nonthesis program. The nonthesis program requires completion of 32 hours of graduate coursework (comprised of a minimum of 12 hours of physics and 12 hours of engineering courses), and the student must also pass the Qualifying examination. The thesis program requires the completion of 30 hours of graduate coursework including a research thesis on some topic of applied science. Up to four credit hours of 5980 must be included. If the student’s research adviser is from the College of Engineering, a minimum of 12 hours of physics and nine hours of engineering courses is required; if the adviser is from the Homer L. Dodge Department of Physics and Astronomy, a minimum of nine hours of physics courses and 12 hours of engineering courses is required.
All programs of graduate study must be approved by the Engineering Physics chair or a duly appointed representative. All students in engineering physics must complete at least one three-hour math course numbered 4000 or higher. (The student may not receive credit for any course that is equivalent to one required in the undergraduate engineering physics program.)

Master Of Natural Science Degree
Physics is one of the fields which may be used to meet the requirements of the degree of Master of Natural Science. The degree is designed for students interested in teaching science in the secondary schools. The details of this degree are described under Natural Science in this catalog. There are no detailed physics requirements.

Doctor of Philosophy Degree (Physics and Astronomy)
The Ph.D. program requires the student to complete at least 90 hours of coursework, take and pass the written Qualifying and General (Specialist) examinations, and complete and successfully defend the results of original research as a dissertation.
The student must complete at least 90 hours of graduate coursework as follows: 36 hours or more of required physics and astronomy courses, which must include Physics 5013, 5153, 5163, 5393, 5403, 5573, and 5583. In addition to the above 21 hours, students must complete at least 15 hours of other physics and astronomy courses numbered 5000 or above (excluding 6980, which may be included below). To complete the remaining 54 hours of required coursework the student may use any combination of coursework at or above the 4000 level in physics or astronomy, courses in other departments listed as acceptable for graduate credit, and dissertation credit hours (Physics 6980).
Additional course requirements that are appropriate to the student’s area of research specialization may be required by the Advisory Committee. In addition to an overall GPA of 3.00, candidates for the Ph.D. degree must receive a grade of B or better in the required core courses: 5013, 5153, 5163, 5393, 5403, 5573, 5583.
All Ph.D. students are required to take an appointment as a teaching assistant with a minimum of two semester contact hours for two semesters. This teaching practicum is independent of financial support by the department.
The Qualifying examination deals with four subjects (mechanics/statistical mechanics, electromagnetic theory, quantum mechanics, and modern physics or astrophysics). The modern physics exam is satisfied by passing three graduate courses, Physics 5213, 5243, and 5813 with a grade of B or better. The examination is constructed by a committee of faculty members. The student must have attempted all four parts of the Qualifying exam by the end of his/her fourth semester. Every student will be given two opportunities to pass the examination.

* An MS with an emphasis in astronomy requires a thesis.
After passing the Qualifying examination and choosing a research adviser and an Advisory Committee, an advisory conference will be convened by the student. The Report of the Advisory Conference, to be approved and held by the Graduate College, sets the specific course requirements for each student’s degree program. In most cases the Advisory Committee becomes the doctoral committee.

The General exam, which we call the Specialist examination, is an oral and written presentation of a topic related to but not the same as the student’s dissertation subject. It also consists of an oral examination over the material in the presentation and related basic physics. This General examination is normally not taken until the student has completed all required coursework, passed the Qualifying exam and has chosen a research area.

The final requirement for the Ph.D. degree will be the doctoral dissertation, an original piece of research conducted personally by the student which constitutes a contribution to knowledge. The dissertation must be defended in a final oral examination.

Doctor of Philosophy (Engineering Physics)

Students who are interested in the engineering physics doctoral program should refer to the general requirements of the Graduate College and the College of Engineering. Every student will be assigned an advisory committee who will determine the specific requirements within the guidelines set by these colleges and the career study goals of the student.

The required physics core courses and the Qualifying and Specialist exams are the same as for physics.

Department of Political Science

Greg Russell, Chair
Mitchell P. Smith, Director of Graduate Programs
205 Dale Hall Tower
Norman, OK 73019-2003
Phone: (405) 325-2061
FAX: (405) 325-0718
Internet: http://www.ou.edu/cas/psc/

Faculty Roster

Professors Boren, Copeland, Gaddie, Hertzke, Jenkins-Smith, Maletz, Peters, Raadschelders, Sheffield; Associate Professors Franklin, Givel, James, Kenney, Krutz, D. Ray, Rosenthal, Russell, Silva, Smith, Szymanski; Assistant Professors Ahram, Elliott-Teague, Ellis, Goode, Havercroft, Heinze, Hicklin, M. Lamothe, S. Lamothe, Miller, Satterthwaite, Wert.

Degrees Offered

- Bachelor of Arts
- Master of Arts
- Master of Public Administration
- Doctor of Philosophy

General Information

The Department of Political Science is the academic home for faculty, staff members, undergraduate students, and graduate students who share a love of politics and a devotion to learning. The department offers two undergraduate degrees, one in political science and the other in public affairs and administration. Master’s degrees in both political science and public administration, in addition to the doctorate in political science are also offered.

The Department of Political Science is among the most intellectually eclectic at the University of Oklahoma. Faculty and students pursue research and study in topics as varied as American politics, comparative politics, international relations, public policy, public administration, and political theory. There are no intellectual or methodological orthodoxies. A diverse faculty and group of students pursue a multiplicity of paths to knowledge.

Affiliated with the department are the Carl Albert Congressional Research and Studies Center, the OU POLL (Public Opinion Learning Laboratory), the Institute for Public Affairs, the International Programs Center, the School of International and Area Studies, the Religious Studies Program, and Advanced Programs through the College of Continuing Education.

Programs for Academic Excellence

The Carl Albert Congressional Research and Studies Center brings together scholars, students, and citizens to nurture the values of a representative democracy. In cooperation with the Department of Political Science, the Center sponsors a nationally competitive five-year specialized Ph.D. program. The program offers graduate students a dual perspective on the workings of Congress by affording them opportunities to study the institution both on-campus and in Washington, D.C. as a congressional staff member. The undergraduate research program of the Carl Albert Center provides unique opportunities for a select group of undergraduate students to work with faculty in collaborative research. The Center also oversees Capitol and Community Scholars, a program that provides undergraduate students with service learning opportunities working with state government, community organizations, and the Close Up Foundation. The Carl Albert Center Congressional Archives contains the papers of more than 50 former members of Congress. These historical documents, manuscripts, audio/video tapes, and photographs are a valuable resource for primary research and have been utilized by political scientists and historians from across the country. In seeking to foster a wider understanding and appreciation of Congress through civic education programs, the Carl Albert Center sponsors the biennial Julian J. Rothbaum Distinguished Lecture in Representative Government, which is among the most distinguished lecture series of its kind and has resulted in a book series published by The University of Oklahoma Press. The Center also created a series of traveling exhibits on Congress that toured the state and were subsequently reproduced as poster sets for public schools and libraries. Twice each year the Center publishes a journal, Extensions, as a forum for discussion of representative government. As a participating partner in the National Education for Women’s Leadership Development Network, the Center sponsors an annual five-day N.E.W. Leadership institute to educate, empower, and inspire a select number of undergraduate women throughout the state of Oklahoma for active participation in politics and public service. The Center’s Web site is http://www.ou.edu/special/albertcr/.

Special Facilities and Programs

Over 50 years ago the faculty in the Department of Political Science created an innovative program for non-traditional graduate students in public administration. Public administration continues to offer courses in this unique “intensified format” and, in Oklahoma, the Master of Public Administration program can be completed at either the Norman campus, the Oklahoma Center for Continuing Education, or OU-Tulsa. In addition, the program is offered at military installations in Asia/Pacific, Oklahoma, Washington, D.C., and several other U.S. sites. The intensified format, in which classes are taught on two or three successive weekends or in one-week evening seminars, is especially useful for students who are fully employed and have difficulty leaving the workplace to attend a graduate program. Students admitted to the Master of Public Administration program can complete the degree with on-campus courses, weekend courses, or a combination of both. Additional information can be obtained by writing to Programs in Public Administration, Department of Political Science, 455 W. Lindsey St., Room 305, Norman, OK 73019-2003.

The University of Oklahoma Public Opinion Learning Laboratory (OU POLL), a state-of-the-art survey research center, was created by President David L. Boren in 1999. The OU POLL specializes in public opinion research through telephone and mail surveys as well as focus groups and it conducts surveys for various government, non-profit, academic, and private
organizations. The Poll also provides support for student learning and academic research. Additional information can be obtained by contacting the OU POLL Director at 640 Parrington Oval, Room 301, Norman, Oklahoma 73019, or by calling (405) 325-7655.

The Institute for Public Affairs, established in 1995, conducts applied research on public policy issues affecting Oklahoma. The Institute provides policy research and technical assistance, training and leadership development, and civic education for public sector and non-profit audiences. The Institute draws on the diverse backgrounds, interests, and expertise represented among the faculty throughout the University. Faculty associated with the Institute work in the areas of policy analysis and policy formulation, program design, program evaluation, and design and assessment of operating systems such as budgeting and personnel. For more information, contact Dr. Thomas E. James, Director, 455 West Lindsey, Room 304, Norman, OK 73019-2002.

Student Organizations

Undergraduate and graduate students who qualify are invited to join Pi Sigma Alpha, the national political science honorary society. Other student organizations of interest to department majors are: College Republicans, Model United Nations, Oklahoma Intercollegiate Legislature, OU Pre-Law Club, Student Association for Public Administration, and Young Democrats.

Scholarships and Financial Aid

The Department of Political Science offers several scholarships and awards to both undergraduate and graduate students who qualify. The Benson Undergraduate Paper Award for the most outstanding undergraduate research paper confers a cash award to the recipient. The Joseph Crim Pray Award for the best paper written for a 2000-level “gateway” course in political science also confers a cash award. The John W. Wood Award confers a cash award for the best graduate or undergraduate paper, thesis, or dissertation in American political theory, political leadership, or the presidency. The June and Oliver Benson Memorial Scholarship, the Kelly Sullivan Memorial Scholarship, and the John Halvor Leek Memorial Scholarships are merit scholarships for political science and public administration majors at the junior level. The Allan Saxe Award is a scholarship based on both merit and need for political science and public administration majors at the junior level. The Chris A. de Jong Award is for political science majors with a “demonstrated extraordinary love of learning.”

Graduate students can be considered for the John Halvor Leek Memorial Scholarships. Students in the Master of Public Administration program are eligible for the Walter F. Scheaffer Scholarship. Doctoral students’ writing and research can be nominated for the V. Stanley Vardys, David R. Morgan and George B. Williams awards, which confer cash awards. The Ronald M. Peters Jr. award recognizes outstanding graduate teaching assistants. The Hugh MacNiven Award is given for the most outstanding research paper written by a student in the MPA program and confers a cash award. Graduate students can also apply for graduate assistantships in the department; these are primarily teaching assistantships.

The Carl Albert Center funds fellowships at both the undergraduate and graduate levels. Students who are at least sophomores can apply for the undergraduate fellowships which offer students the opportunity to conduct collaborative research in politics and government with faculty members. The graduate fellowships are nationally competitive.

The Cortez A. M. Ewing Public Service Fellowships are 10-week Washington internships funded by the Ewing Foundation. Students receive travel and living expenses. Awards are made after a competition open to students from all fields and majors.

The College of Arts and Sciences awards Robert Dean Bass Memorial Scholarships to students in political science and economics who plan on careers in government. The College also awards the A.R. “Bert” Larson Public Service Scholarships to students in political science, social work, and journalism who plan on careers in public service.

Undergraduate Study

POLITICAL SCIENCE

The political science major requires 36 hours of major credit, excluding Political Science 1113, which is the prerequisite for all other courses in political science and may not be counted as major work. At least 15 hours must be in upper-division work.

All students must complete four 2000-level “gateway” courses and a capstone seminar. The four 2000-level courses must be completed prior to enrollment in the capstone seminar. A grade of C or better must be obtained in the capstone course.

Choosing the right courses and combination of courses is very important. The student should consult with the department’s academic counselor as well as faculty members. Recommended free electives include courses in history and economics and any courses that stress proficiency in writing (English and foreign languages) and rigorous thinking (philosophy). Also recommended are courses in mathematics and statistics that will prepare students for advanced research techniques and data analysis. Ideally, a tentative program of coursework should be formulated at the beginning of the sophomore year in consultation with an adviser, with constant evaluation and re-evaluation of the program in subsequent semesters.

PUBLIC AFFAIRS AND ADMINISTRATION

The public affairs and administration major is an interdisciplinary program administered by the Department of Political Science. It is an ideal choice for those students interested in public service — both in the policy and the administrative arenas. All students must complete PSC 2173, 2223; 18 hours in approved political science courses in public administration and public policy; three hours in American political institutions; and the capstone seminar. In addition, they must complete six hours of upper-division coursework from economics, accounting, management, or statistics from a list of approved courses, for a total of 39 hours. A minimum of 15 upper-division hours must be completed. Students must also complete Economics 1113 and 1123 as prerequisite coursework. These courses will not apply toward the 39 hours of major credit.

Students planning to be public administrators are encouraged to enroll in elective credit in history, sociology, communication, economics, foreign languages, computer science, and geography.

CAREERS

The study of political science and public administration is an excellent foundation for careers in law and law enforcement; government service at the national, state, and local levels, from federal agencies to city managers; politics, such as campaign management or lobbying or elective office; professional research for a “think tank;” labor relations; political journalism; teaching at the secondary and university levels; the diplomatic corps; management in the public and nonprofit sectors, in such areas as health care management and human resource management; consulting; international business; urban planning and development; business management; and policy analysis.

MINORS

Students majoring in other subjects may minor in political science or public affairs and administration. The requirements for the minor in political science are at least 15 hours of political science, excluding Political Science 1113; at least nine hours of which must be upper-division work. The department’s academic counselor is available to students needing help in choosing appropriate courses.

Students may also minor in public affairs and administration. The requirements are at least 15 hours of upper-division political science chosen from a list of approved courses. Two upper-division courses in economics, Economics 3713, Governmental Relations to Business, and Economics 4353, Public Finance, may also apply toward the minor. Professor Glen Krutz can assist students in the selection of courses that best serve their academic or career interests.
**Graduate Study**

**AREAS OF SPECIALIZATION**
American politics, comparative politics, international relations, political theory, public administration, and public policy.

**ADMISSION REQUIREMENTS**
In addition to meeting the general admission requirements of the Graduate College, the student electing to work for degrees in political science should have, at a minimum, 15 undergraduate hours of political science and nine undergraduate hours of other social sciences, or 24 hours in political science. Those who do not meet this criterion are still eligible for admission but may be required to take additional hours in order to be prepared for work at the graduate level. Exact prerequisites will be determined after consultation with an adviser and assessment of the student’s preparation for graduate study.

For admission to the M.A. and Ph.D. programs, the department requires submission of three letters of recommendation, the scores of the general test of the Graduate Record Examination, a writing sample, and a statement of approximately 1,000 words describing the applicant’s academic purpose, background and goals. A TOEFL score of 250 on the computer-based test or 600 on the paper-based test or more is required of all applicants for whom English is a second language. The admissions application, application fee, official transcripts, and if applicable, official TOEFL scores should be sent directly to the Office of Admissions, 1000 Asp Avenue, Room 127, Norman OK 73019-4076.

In addition to the general admission requirements of the Graduate College, an applicant to the M.P.A. program must present a minimum of 15 undergraduate or graduate hours of credit in public administration, political science, management, or a related social science discipline. If an applicant lacks such hours, he or she may be required to take additional prerequisite coursework. Administrative or management experience may be used to satisfy or help offset the requirements for prerequisite courses. A TOEFL score of 600 or more is required of all applicants for whom English is a second language. For more complete information on programs in public administration and on admission requirements, write to: Programs in Public Administration, Department of Political Science, University of Oklahoma, 455 W. Lindsey St., Room 305, Norman, OK 73019-2001.

Complete admission requirements and a full description of the departmental programs and procedures can be obtained by writing to the Graduate Program Director, Department of Political Science, the University of Oklahoma, 455 West Lindsey St., Room 205, Norman, OK 73019-2001, or on the graduate program Web site, [www.ou.edu/cas/psc/graduate/](http://www.ou.edu/cas/psc/graduate/).

Applications for admission to the M.A. and Ph.D. are due Feb. 1 for the following fall semester each year. Applications for the M.P.A. are considered on a continuous admissions process.

**MASTER OF ARTS**
The M.A. degree in political science provides excellent preparation for doctoral work for those in public non-profit, or private careers who find further professional development necessary. Advanced work in political science may also serve as enrichment for those who would simply like to know more about the workings of government and politics. The degree program provides a basic minimum of structure to ensure that participants will obtain the necessary groundwork in political science. Beyond the basic requirements, there is an opportunity for significant specialization in the fields of most interest to the student. The M.A. is a 36 credit hour degree and may be taken with a thesis or research paper. The nonthesis option requires a final research paper. If desired, the M.A. program may be designed to encompass coursework taken in related departments or programs. All candidates for the degree must take PSC 5913, Introduction to Analysis of Political and Administrative Data, or an equivalent course.

**MASTER OF PUBLIC ADMINISTRATION**
The M.P.A. degree is designed to provide the student with an understanding and knowledge of government and its environment. As a professional program, emphasis is placed upon learning those administrative concepts, processes, and techniques that are associated with managing the public’s business. The academic base for the M.P.A. consists of required courses which include research methods, evaluation, and budgeting and area requirements in management, public policy, organizations, and American political process. The program integrates the theoretical with the practical dimensions of administration and encourages a broad academic and professional perspective. M.P.A. graduates typically enter the public or not-for-profit sectors, although many graduates have used the expertise gained in the program to enter and/or enhance careers in business and corporate enterprises. The M.P.A. program is a non-thesis program requiring 36 credit hours, a comprehensive examination, and a research paper.

A minimum of 24 credit hours must be offered in the public administration/public policy area. The remaining credits may be taken in additional public administration core or courses chosen from such related disciplines as accounting, business, economics, finance, geography, human relations, management, urban planning and sociology. Before taking credits other than those specifically listed as acceptable for the M.P.A. degree, students must contact Programs in Public Administration to determine the applicability of the credit to the degree.

In addition to providing a basic foundation in public administration, the MPA program allows concentrations. By choosing elective courses and a research paper topic, students have the option of developing expertise in a specific subject. Their Web site address is [www.ou.edu/cas/psc/mpa/](http://www.ou.edu/cas/psc/mpa/).

**DOCTOR OF PHILOSOPHY**
The Ph.D. degree in political science is a program of highly advanced study and scholarship. Primarily oriented toward developing the capacity for scholarly research and writing, the degree has nevertheless been found useful by those in private or public careers who would like to supplement their work with a program of personal intellectual development. A minimum of 90 semester hours of coursework beyond the bachelor’s degree is required. Doctoral students must be prepared to take the General Examination within five years of entering the graduate program (four years if entering with a master’s degree). In addition to the required three fields of specialization, each doctoral student must fulfill a research tool requirement. A research tool may include proficiency in selected foreign languages or a proficiency in quantitative and qualitative methods. A doctoral candidate is expected to complete the degree requirements within four years after passing the General Examination. Students in the Ph.D. program must meet certain requirements in developing research tools and in familiarizing themselves with the broad spectrum of the discipline. Beyond this minimum of required courses, however, a detailed program will be developed by the student and the doctoral advisory committee in order to pursue the student’s major interests, and to lay the groundwork for a doctoral dissertation.

Opportunities for research and funding are provided by programs affiliated with the department, including the Carl Albert Congressional Research and Studies Center, the Institute for Public Affairs, the International Programs Center, the OU POLL, and the School of International and Area Studies.
Department of Psychology

Jorge Mendoza, Chair
Lynn Devenport, Graduate Liaison
705 Dale Hall Tower
Norman, OK 73019-2007
Phone: (405) 325-4511
FAX: (405) 325-4737
Internet: http://www.ou.edu/cas/psychology/

Faculty Roster
Professors Devenport, Gilliland, Gronlund, Mendoza, Mergler, Mumford, Rodgers, Showers, Tothaker, Associate Professors Brown, Connelly, Judice-Campbell, Kimball, Cox-Fuenzalida, Day, Hahn, Mayeux, Snyder, Steinheider, Terry; Assistant Professors Carvallo, Kisamore, Thomas.

Degrees Offered

- Bachelor of Arts
- Bachelor of Science in Psychology
- Master of Arts (Organizational Dynamics)
- Master of Science (Psychology)
- Doctor of Philosophy

General Information

The Department of Psychology was founded in 1928. The primary emphasis of the department is on scientific psychology. At the present time, the department is focused on the areas of cognitive, social/personality, quantitative psychology, animal behavior, developmental, and industrial/organizational psychology.

The teaching mission of the undergraduate psychology program is:

- to provide a major that presents psychology as a science of behavior and cognition;
- to provide a major that is consonant with the general requirements of the College or Arts and Sciences and exemplifies the best of a liberal arts degree by serving as a bridge between the scientific/quantitative modes of thought and the more traditional arts and humanities; and
- to maintain requirements and offer coursework that will prepare undergraduate majors for a wide variety of graduate training in the behavioral sciences, as well as professional training in the health professions and law.

The teaching mission at the graduate level is:

- to provide a required core of survey courses in experimental psychology and statistics that serve to give a broad knowledge of scientific psychology and research methodology, and
- to provide conditions that will foster a research training program for behavioral and cognitive scientists.

The department provides research training by means of a curriculum that requires graduate students to be involved in research beginning with their first enrollment and continuing every semester thereafter.

Facilities and Programs

The laboratory and teaching facilities of the Department of Psychology are housed primarily in a social science complex of buildings. In this complex, modern research laboratories exist for animal behavior, industrial, developmental cognitive processes, experimental personality, social psychology, and quantitative analysis and measurement. Additional facilities are available for research in animal behavior in conjunction with the Department of Zoology.

The Department of Psychology possesses excellent computing facilities and state-of-the-art electronic instruments for psychological research. The department maintains its own server with local area network capability within the larger university computing network and a wireless network. Our Data Analysis Center is equipped with modern PCs providing a wide range of current application packages for manuscript and presentation preparation, data analysis, instructional support, and Internet access. Laboratories are equipped with over 200 PCs, many networked internally and/or externally.

Scholarships and Financial Aid

At the undergraduate level, the department offers scholarships of $500 annually to the Outstanding Psychology Students (TOPS). The TOPS-General Psychology and TOPS-Quantitative Psychology scholarships have a February 1 application deadline. Students with at least junior standing and a superior record in coursework are encouraged to apply through the department. Outstanding students with a career interest in psychology are strongly encouraged to join the Psychology Club, the Psi Chi National Honor Society and/or to become student members of one or more of the state, regional and national psychological associations.

At the graduate level, the department has been able to provide financial support to most of those students wishing to be supported in recent years. Summer support is available on a competitive basis. The Charles Gettys award is presented annually for outstanding research by a graduate student in the department.

Undergraduate Study

Students considering a major in psychology should contact an academic adviser in the Department of Psychology.

The Department of Psychology offers two degrees at the undergraduate level, the B.A. and the B.S. in Psychology. The B.A. degree requires a minimum of 34 hours (minimum 22 upper division) in psychological science, and the B.S. in Psychology degree requires 48 hours (minimum 36 upper division) of psychology. Both degrees also require specific courses from other departments. The program of study in psychology that culminates in a Bachelor of Arts degree provides the student with experiences necessary to pursue post-baccalaureate education in psychology and related areas, with the training helpful in securing employment immediately following completion of the undergraduate degree, and with the broad education essential to the formation of an enlightened thoughtful citizenry. The B.A. degree in psychology thus provides the background necessary to continue education in graduate school, to seek employment after graduation, or to become a well-rounded, informed individual. The B.S. in Psychology is designed to provide additional training and experience in research to those students who have demonstrated mastery of the basic scientific concepts and methodology.

CAREERS

Students with strong academic records anticipating careers in psychology or closely related fields are advised to participate in the enriching experience of conducting psychological research under the supervision of a faculty member under course numbers such as 3980, 3990 and 4990. Students planning graduate study should, by their junior year, closely study the annual publication of the American Psychological Association entitled Graduate Study in Psychology, which is available in the department or for purchase at the University Bookstores. This publication describes all psychology graduate programs at universities in the United States and Canada. A publication on career options is also available through the department.
psychology graduate programs at universities in the United States and Canada. A publication on career options is also available through the department.

Students pursuing the bachelor’s degree as a terminal degree are encouraged to seek academic and career counseling with a faculty adviser, and to consult closely with the University’s Career Services.

BACHELOR OF ARTS

The faculty of the Department of Psychology believes that undergraduate training in psychology is best accomplished by giving the student an appreciation of the foundations of psychology as a life science and to allow the student to build on this foundation when the student has formulated his or her personal and professional aspirations. Thus, the curriculum leading to a B.A. comprises required courses within the psychological sciences, required courses within the other sciences, electives in psychology and free electives. The electives should be chosen in consultation with an academic adviser.

Degree Requirements

A. Three courses (10 hours): PSY 1113, 2113, 3114.
B. Two courses (six hours) from: PSY 2213, 2403, 2603, 3703.
C. Three courses (nine hours) from: PSY 3003 or 4023, 3083, 3203, 3803, 4263, 4453, 4753.
D. Two courses (6 hours) of upper-division psychology electives.
E. One Senior Capstone Course (three hours) from: PSY 4113, 4143, 4153.

Major Support Requirements

- Computer Science, (three hours) from: PSY 2503 or C S 1313.
- Mathematics, (three hours) from: MATH 1523, 1743, or 1823.
- Biological Science, (five hours): ZOO 1114 and 1121.
- Physical Science, (four to five hours): CHEM 1315 or PHYS 2414.
- Additional Science, (three to five hours): CHEM 1415, C S 1323, or any 2000-level or above course in astronomy, botany, chemistry, computer science, math, microbiology, physics, or zoology.

BACHELOR OF SCIENCE IN PSYCHOLOGY

The specific courses selected to fulfill the major program requirements, both in psychology and in other disciplines, must be approved by a faculty adviser and the department. Students interested in the Bachelor of Science degree program should, therefore, consult the department for an application for admission to the program and for advice on course selection and planning the degree program.

A student who fails to maintain the required 3.00 grade point average and/or fails to satisfy the other Bachelor of Science in Psychology degree requirements will receive the Bachelor of Arts degree pending satisfactory completion of its requirements.

Degree Requirements

A. Four courses (13 hours): PSY 1113, 2113, 3114, 4913.
B. Two courses (six hours) from: PSY 2403, 2603, 3703.
C. Four courses (12 hours) from: PSY 2213 or 3203, 3003 or 4023, 3083, 3803, 4263, 4453, 4753.
D. Three courses (9 hours) of upper-division psychology electives.
E. Five hours of supervised Independent Study.
F. One Senior Capstone Course (three hours) from: PSY 4113, 4143, 4153.

Major Support Requirements

- Computer Science (three hours) from: PSY 2503, C S 1313, 1323.
- Mathematics (three hours) from: MATH 1743, 1823.
- Biological Science (five hours): ZOO 1114 and 1121.
- Physical Science (8-10 hours): CHEM 1315 and 1415, or PHYS 2414 and 2424.
- Additional Science (six to eight hours, including at least three upper-division hours) from: C S 2413; CHEM 1415, 3012, 3013, 3453, 3653, 3753; MATH 2123, 3333, 4723, 4733, 4753; MBIO 4843; PHYS 2424; ZOO 2204, 2343, 3013, 3103, 3333.
- History of Science or Philosophy (three hours) from: HSCI 3013, 3023; PHIL 3123, 4613.

MINOR

Students seeking a minor in psychology are required to complete 18 credit hours, nine of which must be lower-division and nine upper-division. Psychology 1113 is required and the remaining six lower-division hours are electives. All upper-level courses are eligible for completing the upper-division hour requirement, except those involving independent instruction or variable credit. Prerequisites for courses taken by minors are the same as those required of majors, except that similar courses taken in another department may be substituted for the listed psychology course prerequisite if approved by the instructor.

Graduate Study

AREAS OF SPECIALIZATION

The department has many areas of specialization including cognitive psychology, industrial/organizational, animal behavior, developmental, social-personality, and quantitative psychology. The department also offers a master’s degree in organizational dynamics at the OU-Tulsa campus. Those interested in that degree should consult our Web page under Tulsa campus degree programs.

The programs of training in the department are designed to produce experimental psychologists who are capable of assuming positions in academia, industry, and government. In a rigorous but cooperative and congenial atmosphere, high-quality research psychologists are trained to contribute to the body of knowledge of scientific psychology, as well as to disseminate and apply psychological knowledge.

ADMISSION REQUIREMENTS

In order to be considered for admission to the psychology graduate program, one must:
1. Have a minimum undergraduate grade point average of 3.00;
2. Present scores from the GRE verbal and quantitative tests;
3. Submit transcripts;
4. Submit evidence of research experience;
5. Complete a departmental application including: (a) departmental application form; (b) three letters of recommendation; and (c) a personal statement.

Applicants who not only present strong academic credentials but also show evidence of substantial involvement in research as undergraduates are especially sought. Ethnic minority students are especially desired, within a philosophy that their graduate training will prepare them for careers which may significantly impact upon other minority and majority members and hence contribute in highly effective ways toward the long-term resolution of societal problems.

In addition to meeting the general requirements of the Graduate College, the student should have the following undergraduate psychology classes:
1. Introductory statistics;
2. Experimental methods;
3. An adequate sampling of courses from physiological psychology, cognition, learning, social-personality, animal behavior and developmental.

Students with deficiencies in any of these areas may be required by the Admissions Committee to take remedial coursework, (psychology courses numbered 3000-4000 which do not count for graduate credit).

Information about the doctoral program, graduate assistantships, and/or admission procedures may be obtained by writing the chair of the Graduate Admissions Committee for the department.

Degree Programs

MASTER OF ARTS (Organizational Dynamics)

The Department of Psychology offers an innovative Master of Arts degree program in Organizational Dynamics at the Schusterman Center at...
OU-Tulsa. The program emphasizes research combined with practical application. After completing core courses, students specialize in one of two general tracks: Human Resource Management or Technical Project Management. The admission requirements and participation requirements for this program are different from other graduate degree programs in psychology. Students interested in this program should consult with faculty members at OU-Tulsa.

MASTER OF SCIENCE (Psychology)
The M.S. degree is conferred as: a) a mark of progress toward the Ph.D., or b) as a terminal degree. In the former case, it is earned after a student has completed 30 hours of coursework (including 5003, 5013, and 6073), a master’s thesis, and a final oral defense of the thesis. In the case of the terminal M.S., the student may earn the degree after satisfying the same requirements as above; or, the student may, with departmental approval, earn a non-thesis M.S. by completing 32 hours of coursework (including 5003, 5013, and 6073), and passing written and oral comprehensive examinations.

DOCTOR OF PHILOSOPHY
In order to complete the Ph.D. in psychology a student must meet all graduate college requirements and (in approximate chronological order): 1. Complete the department’s prescribed first year including a first-year research project, and 5901 and 5911; 2. Choose a major professor; 3. Complete a three-semester statistics sequence; 4. Complete a master’s thesis and oral defense; 5. Participate in an advisory committee in order to plan the coursework; 6. Complete the General Examination; 7. Complete at least 90 hours of coursework beyond the bachelor’s degree; 8. Complete a doctoral dissertation and final oral examination.

General Requirements for MS and Ph.D.
A continuing involvement in directed or independent research is expected to be a part of the student’s program of doctoral study. The department has no foreign language requirements, but a student’s Advisory Committee may recommend the development of competence in other areas of study (e.g., computer science, industrial engineering, mathematics, philosophy of science, history of science, physiology) of potential benefit to the student’s particular professional development and interests.

As a vital part of the graduate training program in psychology, all graduate students are required to be engaged in a training assignment each term. These assignments vary according to the needs and professional aspirations of the student. They are designed to supplement the more formal coursework by a variety of pre-professional activities such as assisting in research, teaching, etc., under faculty supervision. The training assignment increases in responsibility as the student progresses. The amount of time required of the student varies from 10–20 hours per week, depending upon level of progress, the type of assignment, etc. The purpose of these assignments is to train the student in some of the types of activities that the student will ultimately be engaged in after the degree is received.

A student’s progress toward the Ph.D. degree is evaluated annually. Additionally, first-year students are evaluated after the first semester. The purpose of these evaluations is to provide feedback to the student and to assess the student’s proficiency based on academic coursework, progress in research, and potential for significant contributions to the profession.

Religious Studies Program

Charles Kimball, Presidential Professor of Religious Studies, Director
804 Dale Hall Tower
Norman, OK 73019
Phone: (405) 325-3349
Fax: (405) 325-1502
Internet: http://www.ou.edu/religiousstudies/
e-mail: RELS@ou.edu

Faculty Roster
Professor Kimball; Emeritus Professor T. Boyd; Assistant Professors Braun, Vishanoff; Adjunct Assistant Professor B. Boyd. In addition, the faculty of the Religious Studies Program is made up of approximately 35 faculty members from departments across the University of Oklahoma.

Degree Offered
• Bachelor of Arts

General Information
Religious Studies is an interdisciplinary program, which provides students the opportunity for academic study and examination of the role of religion as it affects every aspect of life. The Religious Studies program draws on the faculties of Anthropology, Classics, English, History, History of Science, International and Area Studies, Modern Languages, Literatures, and Linguistics, Native American Studies, Philosophy, Political Science, Sociology (College of Arts & Sciences); Art History, Music (Weitzenhoffer Family College of Fine Arts); Educational Leadership (College of Education); and Honors. The program seeks to enhance the student’s knowledge of religious traditions and approaches, and is intended to help students develop the understandings, perceptions, and attitudes for living more successfully in an increasingly multi-cultural society and the world. Understanding the current global environment will depend on the ability to share and use knowledge about religion and culture; communicating effectively across cultures requires an understanding of the religions that inform them.

CAREERS
The Religious Studies program will provide a basis for students interested in religious vocations, such as ministry, chaplaincy, music, education, and religious institution management (including non-profit administration); Graduate school in Religious Studies, the humanities, or the social sciences; college and secondary teaching; as well as careers in foreign service, business, law, journalism, and public service.

Undergraduate Study
Choosing the right courses and combination of courses is very important. The student should consult with the Religious Studies academic counselor as well as faculty members and directors. Students may choose to complete the Religious Studies major as a complement to another degree program, such as Political Science or Anthropology. The Program also offers room, through its elective options, to provide a concentration in preparation for religious vocation, seminary, or graduate work in Religious Studies.

MAJOR REQUIREMENTS
Students are required to declare their intent to pursue the degree program and complete a minimum of 36 hours, of which at least 21 must be upper-division. A grade of “C” or better must be obtained in all courses for the major, including Capstone, and no course may be used more than once to satisfy major requirements in other majors or minors.
The Religious Studies major requires four areas of study; additional courses from these may be chosen for elective credit within the Program.

All students must complete RELS 1113 (Introduction to Religious Studies), the prerequisite for many of the courses in the Religious Studies program. Students choose a second introductory course from ANTH 1823 (Religion in Everyday Life), PHIL 1203 (Philosophy & Human Destiny, East and West), PHIL 2403 (Introduction to Philosophy of Religion), RELS 2413 (Religion, Culture, and the Meaning of Life), RELS 2003 (Special Topics in Introduction to Religious Studies) or RELS 2403 (Comparative Religions).

A second category of vital importance to the Religious Studies major is the study of different groups of traditions, chosen from Judaism, Christianity, Islam, Asian Traditions, and Indigenous/Folk Traditions.

Additional Religious Studies courses required are grouped conceptually. Students must choose a minimum of nine hours from three of the following four groups:

A. Religion, Literature, and the Arts — represented by such courses as World Religious Texts or offerings from Art History, English Modern Languages, Literatures and Linguistics, and Music.
B. Religion, Social Organization, and Politics — includes courses from Political Science, Sociology, Anthropology, or Honors;
C. Religion and History — course offerings from History and History of Science; and
D. Religion and Philosophy — including topics covering Ethics and Philosophy of Religion.

Any additional courses taken from these categories fall into the category of electives, of which nine hours are required. Students also have the option of choosing specifically offered Religious Studies courses, such as internship, independent study credit, study abroad, honors or directed reading, which would fall into the elective category. Internship, independent study, and honors or directed reading research allows students to complete independent but guided work under the supervision of a Religious Studies faculty member. Hours vary and influence the workload and activities of independent study or honors/directed reading. Internship credit is three hours and a significant written project is required.

The student’s final requirement, the Capstone, is a culmination of the work the student has completed in the major, requiring satisfactory seminar attendance and participation, and a significant written research project, combining synthetic and analytical skills. To complete the Capstone requirement the RELS major must successfully complete RELS 4323, Capstone in Religious Studies.

MINOR

A minor may be earned in Religious Studies by completing one of the introductory courses from the major check sheet and 15 additional hours approved for use in the major. A minimum of nine hours (a minimum of three courses) must be at the upper-division level (courses numbered at the 3000- or 4000-level). The minor may be declared through the College of Arts & Sciences Academic Services office, 124 Ellison Hall. For more information, contact Sunny Rowland at (405) 325-5041, e-mail srowland@ou.edu.

---

The University of Oklahoma 2009-2011 General Catalog College of Arts and Sciences

### School of Social Work

**Don Baker, Director**
**Julie Miller-Cribbs, Assistant Director, OU-Tulsa**
**James A. Rosenthal, Graduate Program Coordinator**
**Steven P. Wells, Undergraduate Program Coordinator**
**211 Rhyne Hall**
**Norman, OK 73019-1060**
**Phone: (405) 325-2821**
**FAX: (405) 325-7072**
**Internet: http://www.ou.edu/socialwork/**

### Faculty Roster

Professors Cherry, Curiel, Moxley, Rosenthal, Wright; Associate Professors Baker, Caselman, Davidson, Graham, Miller-Cribbs, Pellebon; Assistant Professors Alzate, Byers, Gray, Natale, Villegas; Clinical Assistant Professors Bramble, Franklin, Massey, Wells, Wisdom.

### Degrees Offered

- Bachelor of Arts
- Master of Social Work

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. For additional information on graduate programs, individual documents detailing each graduate program are available from the Graduate College and their Web site at [http://gradweb.ou.edu/](http://gradweb.ou.edu/). This information is updated yearly and should be referred to for graduate program requirements.

### General Information

Social work education has been a part of the curriculum at the University of Oklahoma since 1916-17. A separate School of Social Work was established in 1935. The two-year graduate program was fully accredited in 1957 and has maintained continuous accreditation. The undergraduate degree program gained approval in 1970 and has been continuously accredited since the inception of undergraduate accreditation in 1974. Both programs continue to maintain full accredited status from the Council on Social Work Education.

Social work is a profession devoted to positive social change and helping individuals, families, and groups to better resolve personal problems. The expansion of human service programs and areas of practice utilizing social work knowledge and skills has created a demand for professional social workers. Social work offers a challenging and exciting career for the individual who is motivated to help others and has a personal commitment to the advancement of social justice.

The school prepares practitioners for services to various client and community systems. The undergraduate and first-year graduate programs are of a generalist nature emphasizing skills, knowledge and values basic to all social work practice. The second year of graduate study is organized so students may specialize in direct services to individuals, families, and groups or in the planning, organization, supervision, or administration of human service programs.

### Programs for Academic Excellence

The School of Social Work, through its programs of professional education, research, and public service is dedicated to the enhancement of human well-being and to the alleviation of poverty and oppression through developing and improving systems of social services, especially public social services.

The school’s primary means of achieving its mission is by preparing skilled social work practitioners who are committed to practice that includes...
services to the poor and oppressed, by improving and developing social services programs, and by promoting professionalism in social work in Oklahoma. To this end the school offers two degree programs: the undergraduate major in social work leading to a Bachelor of Arts and a graduate program leading to a Master of Social Work. The mission and goals of the school are consistent with the goals of professional social work education and with those of the University of Oklahoma.

To achieve its mission, the School of Social Work has established the following goals:

- to educate skilled social workers who can effectively serve individuals, families, groups, organizations, and communities;
- to increase the availability of skilled social work professionals, particularly from minority groups; and
- to develop and strengthen social services through:
  a. scholarly activities which elaborate and explicate issues relevant to the enhancement of human well-being and the alleviation of poverty and oppression;
  b. research and evaluation activities aimed at facilitating effective practice and the generation of knowledge;
  c. consultation and leadership to emerging and existing social service programs; and
  d. continuing education and training.

Scholarship and Financial Aid

The Oklahoma Department of Human Services provides financial aid for its employees to attend school on a part-time basis. Additionally, a number of child welfare stipends are available for non-employees as well as employees. Applications should be made in the spring semester to the school. Two federal agencies, the Veterans’ Administration and the Bureau of Indian Affairs, administer scholarships for social work students.

The School of Social Work provides a limited number of stipends which are available through grant funds and University scholarships. Some stipends are also awarded by practicum agencies during the semesters students are enrolled in practicum.

For further information on scholarships, stipends and loans, consult the Office of Financial Aid Services, University of Oklahoma, 1000 Asp Ave., Room 216, Norman, OK, 73019, (405) 325-4521; http://www.financialaid.ou.edu/

Undergraduate Study

The undergraduate social work program is designed to prepare social workers to assume entry-level professional roles in human and social service systems. In addition to the academic expectations, social work students are expected to demonstrate professional behavior which reflects a commitment to the ethics of the social work profession.

The role of the social worker involves helping people from a variety of backgrounds and with a range of problems, so it is important that the social work student not permit personal issues to interfere with this role and that the student have the emotional and psychological resources to render effective assistance to those in need.

Graduates of the baccalaureate program are eligible for membership in the National Association of Social Workers. They are also eligible to apply for advanced standing in the M.S.W. program at the University of Oklahoma or other graduate programs in social work. Following two years of supervised practice, they are eligible to apply for a license in the State of Oklahoma.

ADMISSION REQUIREMENTS

Students interested in pursuing a social work major are encouraged to contact the School no later than their sophomore year to discuss their interest in the social work major. The first step is to declare oneself as a pre-social work major with the College of Arts and Sciences. After pre-advise from the School of Social Work, the prospective student must obtain and complete an admissions application packet. Entry into the major is through a formal admission process to the School of Social Work.

The undergraduate social work curriculum is highly structured and requires no less than four semesters to complete all course requirements. No required courses are offered during the summer.

Primary consideration for admission is given to students whose applications meet the February 1 deadline (or the first working day after if February 1 falls on a weekend). A small number of students may be admitted on a space available basis during a secondary admissions period from February 1 to August 14 (or the first working day after if August 14 falls on a weekend). Applicants will be considered during this period until all slots are full. Failure to meet the above deadlines, or to follow the above procedures, may result in denial of your application. At the time of application, students should have completed or be enrolled in the supportive prerequisite courses and be in the process of completing all General Education core courses. Admissions are limited to 40–45 students per academic year.

Before students can be admitted into the program they must file a declaration as a pre-social work major with the College of Arts and Sciences Academic Services Office. The School of Social Work will pre-advise students before they obtain and complete the admissions application packet. More information and forms can be found on the School Web site, noted above.

Students must complete the following:

1. A signed “Application for Admission”;
2. Three letters of reference; and
3. An admission statement.

Failure to meet the application deadlines or to follow the written procedures may result in delayed consideration for entry into the program. Students cannot enroll into any required social work course prior to admission to the Program. Furthermore, all students must have taken all program prerequisites prior to the junior year, first semester coursework. Consequently, a delay in application or not having completed the above courses will result in up to two additional semesters being required beyond the usual four semesters in the program.

Acceptance into the social work program is based upon an assessment of the student’s capability to achieve academic success, the possession of a value base consistent with professional social work values and ethics, the student’s interest in and commitment to the profession of social work, and the possession of personal characteristics which will enable the student to render effective assistance to those in need.

DEGREE REQUIREMENTS

The undergraduate social work curriculum is highly structured and requires no less than four semesters to complete all course requirements.

In order to graduate with a major in social work, students must achieve an overall grade point average of 2.50 or above, a 2.50 grade point average or above in required social work courses (including a grade of “Satisfactory” in Practicum courses), and a C or better in all required social work courses.

The School of Social Work fully subscribes to and is guided by the NASW Code of Ethics. Social work program applicants and students are expected to demonstrate professional behavior which reflects a commitment to the ethics of the social work profession as exemplified in the Code of Ethics. Behavior and statements contrary to these ethics is cause for denial of the student’s admission or for review of continuance in the School of Social Work’s programs. Examples of behavior which warrant such denial or a review include, but are not limited to, derogatory oral and written statements towards other students, faculty, and/or persons from populations reflecting racial, ethnic, handicapped status, religious, socioeconomic, gender, and sexual orientation differences. Students are responsible for knowing and adhering to the NASW Code of Ethics. The most recent version can be read and downloaded from the internet through the national NASW Web site at http://www.socialworkers.org/code.htm.

The undergraduate social work program is built upon a strong liberal arts foundation that emphasizes a biopsychosocial perspective. In order to assure that social work majors have been introduced to the fundamental concepts within this perspective, they must have completed or be currently enrolled in the following course prerequisites (or course content equivalents) before making formal application to the program. Junior college transfers must complete these no later than the first semester of the junior year:
The University of Oklahoma 2009-2011 General Catalog

Graduate Study

GENERAL INFORMATION

Social Work is a profession devoted to the enhancement of human well-being and to the alleviation of poverty and oppression. This is accomplished through the promotion, restoration, maintenance and enhancement of the social functioning of individuals, families, groups, organizations and communities. The expansion of human service programs and areas of practice that utilize social work knowledge and skills has created a demand for professional social workers. Social work offers a challenging and exciting career for the individual who is motivated to help others and has a personal commitment to the advancement of social justice.

The Master of Social Work degree (MSW) is designed to prepare students for advanced professional practice within an organizational context. Two major professional roles predominate. The first of these is direct social work practice with individuals, families and groups. The second is focused on administration, planning, and community organization. In recognition of these two distinct areas of practice, the school offers two areas of advanced concentration: direct practice and administration and community practice. The MSW is offered in both Norman and OU-Tulsa in both full-time and part-time format.

The master’s degree program in social work requires 60 credit hours. The foundation is comprised of 30 credit hours and may be completed either through the on-campus full-time program or through the school’s program of part-time studies described below. The advanced curriculum is a full-time in-residence program, with full-time status defined as enrollment in not less than nine credit hours per semester. Advanced Standing status is available to students who have completed a bachelor’s degree in social work from an accredited program with the past five years and who meet additional criteria.

The school prepares practitioners who are capable of using an integrated combination of knowledge, values, and skills in service to various client and community systems. The undergraduate and the foundation requirements of the graduate program are based on a generalist model emphasizing skills, knowledge and values basic to all social work practice. The candidacy year of graduate study is organized into two graduate concentrations: direct practice and administration and community practice.

ADMISSION

Admission to the Master of Social Work program is to either the 60-credit-hour program or to the Advanced Standing (30 credit-hour) program. Advanced Standing is available only to the applicants who have completed a Council on Social Work Education (CSWE) accredited baccalaureate degree program in social work within the past five years.

Admission Criteria

Applicants for admission to the graduate program in social work must meet the following requirements:

1. Possess a bachelor’s degree from an accredited college or university. The applicant’s course of study must include liberal arts content which is broadly defined as coursework in the natural and social sciences, and in the arts and humanities. Though not a formal admission requirement, an introductory (undergraduate or graduate) course in statistics is a prerequisite course requirement for S WK 5083, Social Work Research. Students in the full-time (60-hour) program take research and, thus, must complete statistics prior to beginning their graduate program. The precise scheduling of research varies for students in the part-time (60-hour) programs in Norman and Tulsa, but it is typically offered in the first year. Students in these programs are strongly advised to complete statistics prior to beginning their program. (Students in the Advanced Standing (30-hour) program do not take S WK 5083, so the statistics requirement does not apply to them).

2. Meet all the general admission requirements of the Graduate College. The Graduate College requires that all applicants with no post baccalaureate coursework do not take S WK 5083, so the statistics requirement does not apply to them).

The Graduate College reviews all previous coursework as listed on the applicant’s official transcripts which are submitted to the University of Oklahoma’s Office of Admissions. The Graduate College requires that all students admitted to graduate programs on non-provisional (non-conditional) basis have a grade point average (GPA) of 3.0 or above. The Graduate College calculates the GPA based upon the last 60 semester credit hours of letter-graded coursework for applicants with no post baccalaureate coursework. Should the 60 credit hours fall within a semester’s work, then that whole semester is included in calculating the grade point average. Any applicant who has received a master’s degree or has completed 12 semester credit hours of letter-graded graduate work at an accredited college or university will have the GPA based on the graduate coursework. Students whose GPA is between 2.75 and 2.99 may be considered for a conditional status admission by the Graduate College and the School of Social Work. Students admitted on a conditional basis must meet requirements specified by the Graduate College and the School. These requirements will be specified at the time of admission. The Graduate College will not refer to the School any application where the GPA in the last 60 hours is less than

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1113</td>
<td>Elements of Psychology</td>
</tr>
<tr>
<td>SOC 1113</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>BOT/MBIO/ZOO 1005</td>
<td>Concepts in Biology, or ZOO 1114, Introductory Zoology and ZOO 1121, Introductory Zoology Lab</td>
</tr>
<tr>
<td>S WK 2113</td>
<td>Introduction to Social Work (may be taken in the first semester)</td>
</tr>
</tbody>
</table>

Students who feel they have completed equivalent course content must provide course syllabi and catalog descriptions and have their work approved by the Undergraduate Coordinator. In addition, students need to take a statistics course prior to the fall enrollment of their senior year.

Some of the above courses can be used to meet the general education requirements for the College of Arts and Sciences. For example, S WK 2223, Statistics for Social Workers, will also meet the General Education Core Area I mathematics course requirement. Students planning to apply for admission are encouraged to review carefully the course prerequisites and to include them in their academic planning for the sophomore year.

Listed below are the specifically required courses for Social Work majors and the order in which they will be taken.

**Fall** — S WK 3003, 3103, 3233, 3323

**Spring** — S WK 2223 (may be used to fulfill General Education mathematics requirement), 3113, 3243, 3313

**Fall** — S WK 4083, 4103, 4311, 4315

**Spring** — S WK 4093, 4325, 4331

Students who have completed similar coursework from an accredited social work program may have those credit hours transferred. A copy of the previous course syllabus will be reviewed by the Undergraduate Program Coordinator for necessary action. The student is notified whether credit is approved. Students should provide these materials to their advisor as soon as possible.

**PRACTICUM**

The practicum is offered in collaboration with selected agencies and programs throughout the state of Oklahoma. The student is placed in a social agency under an approved supervisor for the purpose of developing professional skills and values.

The concurrent practicum takes place over a two-semester period in conjunction with classroom study during the student’s senior year. Students are in their practicum placement 20 hours each week and must complete 300 hours of practicum each semester for a total of 600 hours. Both practicum courses are graded on an S/U basis.

Practicum settings are selected on the basis of educational merit. The School makes every effort to place students in settings that are consistent with student career goals. Practicum placements may be made in selected agencies within a 50 mile radius of the Norman campus. Students are responsible for their transportation to and from the practicum setting, as well as travel connected with the placement.

Each student is required to present evidence of professional insurance coverage. Professional insurance coverage prior to placement can be arranged through the School of Social Work in collaboration with the National Association of Social Work. Information regarding the process should be secured at the School of Social Work Practicum office.
Department of Sociology

Craig St. John, Chair
Loretta Bass, Graduate Liaison
331 Kaufman Hall
Norman, OK 73019-2033
Phone: (405) 325-1751
FAX: (405) 325-7825
Internet: http://www.ou.edu/soc/

Faculty Roster
Professors Burns, Damphousse, Sharp, St. John; Associate Professors Bass, Beutel, Hope, Kroska; Assistant Professors Abra, Burge, Clark, Clay, Franzese, Hackney, Latimore, Peck, Piotrowski; Lecturer Ketchum.

Degrees Offered
• Bachelor of Arts
• Master of Arts
• Doctor of Philosophy

Information on both undergraduate and graduate programs is included. Additional information on graduate programs is available from the Graduate College and their Web site at http://gradweb.ou.edu/, or the departmental Web site at www.ou.edu/soc/. This information is updated yearly and should be referred to for graduate program requirements.

General Information

The Department of Sociology has two interrelated missions: to provide the highest quality education at the baccalaureate, master’s, and doctoral levels, and to foster state-of-the-art research agendas among faculty and graduate students. Teaching and research in the department help meet the needs of the state and nation by addressing important social issues. Departmental programs focus on three areas: (1) criminology, (2) demography and family studies, and (3) the analysis of class, race, and gender. At both the undergraduate and graduate levels, coursework in Sociology provides an analytic research emphasis for studying, understanding, and explaining major issues. Research in these areas updates and refines knowledge and, further, helps formulate and evaluate social policy.

The undergraduate curriculum in sociology prepares students for jobs in a wide-variety of occupations and for admission to advanced degree programs, especially in sociology, law, and criminal justice. The graduate program provides more intensive instruction and stimulates further intellectual growth and maturity. Graduate students completing a degree in sociology typically find employment in academic settings as professors and researchers, and in the public or private sectors as statistical analysts and research coordinators. The quality of the programs in sociology can be measured by the successful placement of our graduates in agencies, corporations, graduate and professional programs, research settings, and colleges and universities.

A major strength of the department’s graduate program is its training in research methods and statistics. The department maintains its own computer lab equipped with advanced statistical package software. Core seminars in statistics and methods encourage participation in all phases of research, from research design to data collection and analysis to the presentation of findings. Strength in this area complements coursework in the department’s three substantive areas of interest, and encourages students to be independent researchers and informed teachers. The department’s graduate students regularly present research papers at professional meetings, and have been very successful in winning competitions with these papers.

Undergraduate Study

The undergraduate major requires a minimum of 33 semester hours. All majors are required to take 1113 (Introduction to Sociology), 3123 (Social Statistics), and 3133 (Methods of Social Research). Students in the sociology program may choose an option in either general sociology or criminology. Students completing either option receive the B.A. degree in Sociology.

GENERAL SOCIOLOGY OPTION
Students in this option take any five of the eleven courses listed below plus the capstone course: 3523, 3533, 3623, 3643, 3683, 3723, 3733, 3753, 3803, 3873, 4363. General Sociology Capstone: 4943. Six hours of electives in sociology are required. These electives may be fulfilled by any sociology courses except Internship in Sociology (4603) and Criminology Capstone (4843).

CRIMINOLOGY OPTION
Students in this option take any five of the following ten courses (limit of four from any, 3900-3943), plus 3523 and the capstone course: 3533, 3543, 3553, 3900, 3903, 3913, 3923, 3933, 3943, 4603. Students take one additional course from among 3623, 3683, 3723, 3803, 3833. Students considering a major in Sociology should consult the department for assistance in selecting courses which contribute to the student’s educational and career plans. Students who intend to pursue careers in social agencies, corporations, or research settings will be advised regarding courses most appropriate to those interests. Students wishing to enroll in graduate or professional school will be advised regarding courses normally prerequisite to such work.

2.75. Applicants with a GPA of 2.50 who have worked extensively in the social work field may be considered for Alternative Admission.

In addition to making formal application for admission through the Office of Admissions, each applicant must also submit the following items to the School of Social Work:
1. Admission cover sheet.
2. Admission statement.

If English is not their primary language, international students must take the TOEFL (Test of English as a Foreign Language) and submit their score to the school and to the Graduate College. Preference in admission decisions is given to those applications for which all materials are received by the school by February 1 (by the first working day thereafter should February 1 fall on a weekend). Applicants are encouraged to apply well ahead of the deadline.

TIME LIMIT AND READMISSION

All students must complete the degree requirements within a five calendar year period from the time of first admission. A student who has successfully completed the first year or any part of the program in the school and with draws for any reason must reapply to the Office of Admissions of the University and to the school. The student is subject to the regulations applicable during his/her term of enrollment so long as continuous enrollments are maintained. A student who interrupts enrollment for one year or more and is readmitted will then be subject to the regulations in effect at the time of readmission. If reenrollment is given to those applications for which all materials are received by the school and to the Graduate College. Preference in admission decisions is given to those applications for which all materials are received by the school by February 1 (by the first working day thereafter should February 1 fall on a weekend). Applicants are encouraged to apply well ahead of the deadline.

 TRANSFER CREDIT

The school will accept up to six hours of credit from another college or university or up to a full first year from a school of social work accredited by the Council on Social Work Education (for coursework consistent with the School’s first-year curriculum). This action is contingent upon the approval of the Director of the School and the Dean of the Graduate College.
MINORS IN SOCIOLOGY
Nonmajors may earn either of two minors in sociology.

Sociology-general: Students must successfully complete 18 hours, consisting of 1113; and any four courses from the following: 1523, 3523, 3533, 3623, 3643, 3713, 3723, 3733, 3803, 3873, and 4363; and one additional 3000- or 4000-level course in sociology; excluding directed readings, independent study, internship courses, intersession courses and Independent Study courses offered through Continuing Education.

Sociology-criminology: Students must successfully complete 18 hours, consisting of 1113; 3523 and 3533; 3543 or 3553; and two additional 3000- or 4000-level courses in sociology; excluding directed readings, independent study, internship courses, intersession courses, and Independent Study courses offered through Continuing Education.

Graduate Study

The M.A. and Ph.D. programs in sociology emphasize the learning of research methods and statistics in conjunction with chosen substantive area(s) of interest. The department offers six different courses in which graduate students develop research skills. At the doctoral level, students may choose to specialize in any two areas from the three areas of emphasis in the department.

ADMISSION REQUIREMENTS

In addition to meeting the general requirements of the Graduate College, the student must have completed at least 15 hours of coursework in one of the social sciences with sufficient achievement to indicate an ability to do graduate work. Preferably, this would include coursework in sociological theory, research methods and statistics; students lacking a background in these areas will be provided with help in making up these deficiencies.

Students will be considered qualified for full graduate standing in the Ph.D. program when they have completed the M.A. degree and have held an Advisory Conference. Students from the University of Oklahoma are expected to fulfill all requirements for the pre-doctoral M.A. To be considered for financial aid a student must submit all necessary material by February 1.

Master of Arts Degree

There are two programs leading to the M.A. degree in sociology, the 34-hour predoctoral M.A. which requires a thesis; and the 39 hour nonthesis M.A. The following core coursework is required in both programs: Advanced Methods of Social Research (5293), Advanced Sociological Statistics (5283), Seminar in Sociological Theory (5933), and Advanced Sociological Statistics II (6233).

In addition to the core courses, completion of the 34-hour thesis M.A. entails 18 hours of elective coursework and four hours of thesis credit. Among the 18 hours of electives, 12 must be courses from the Department of Sociology at the 5000-level or above. The remaining six hours of electives may be Directed Readings (5960), or crosslisted courses housed outside the Department or courses in another department.

In addition to the core courses, the 39-hour nonthesis M.A. requires 27 hours of elective coursework and a comprehensive oral examination. Among the 27 hours of electives, 15 must be courses housed in the Department of Sociology at the 5000-level or above. Among the remaining 12 hours, no more than three may be Directed Readings (5960) and no more than three may be crosslisted courses housed outside the department.

With the approval of the student’s adviser and the graduate committee, limitations on directed readings and courses outside the department may be modified. Under no condition, however, will a student be permitted to apply more than three hours of directed readings toward an M.A.

Doctor of Philosophy

With few exceptions, students seeking this degree anticipate a career in teaching and/or research. Departmental requirements, therefore, emphasize (1) professional competence in sociology as a whole, especially research methodology, and (2) expertise in two fields within sociology. In preparing for the Ph.D., the student should acquire a broad knowledge of the fundamentals of sociology and then a focused specialization in chosen areas of interest.

For the Ph.D. degree, the student must pass a general examination, write a doctoral dissertation, and, in so doing, complete 90 hours of graduate coursework. The purpose of the coursework is to prepare the student for the general examination and dissertation. Hence, the accumulation of coursework, in and of itself, does not constitute progress toward the degree. Therefore, students normally meet with an advisory committee during the first year in residence to establish a plan of study.

A plan of study, filed formally with the Dean of the Graduate College, should develop the student’s knowledge of and expertise in sociology broadly defined in any two areas selected from the three areas of emphasis in the department. The plan of study must include the core requirements for the pre-doctoral M.A. and at least one additional advanced course in both theory and methodology/statistics. A maximum of 44 course hours may be transferred from other universities with the permission of the student’s Advisory Committee and the Dean of the Graduate College. In any event, the plan must contain sufficient coursework to adequately prepare the student for the general examination.

The general examination in sociology consists of written components and an oral defense. It is usually taken sometime after the second or third year of study. Failure to pass the examination leads to dismissal from the program. Formal work on the dissertation may begin after the student has successfully passed the examination.

The doctoral dissertation is written and defended under the guidance of the student’s doctoral committee consisting of five members of the graduate faculty, at least one of whom is from outside the Department of Sociology. A maximum of 24 hours may be applied to the dissertation. Ph.D. students having sole responsibility for teaching a course in the Department also are required to take Teaching Seminars I and II (5831 and 5841) for one credit each. However, these credits may not be applied toward a graduate degree.
Women's and Gender Studies

Jill Irvine, Director and Associate Professor of Religious Studies
529 Physical Sciences Center
Norman, OK 73019-3105
Phone: (405) 325-3481
FAX: (405) 325-3573
Internet: http://ws.ou.edu

Faculty Roster
Associate Professors Irvine, Skeeters.

Degree Offered
• Bachelor of Arts

General Information
The Women's and Gender Studies Studies Program is an interdisciplinary program that seeks to enhance the student's knowledge of gender roles and relations across cultures and history. Women's and Gender Studies courses investigate the intersection of gender and such diverse phenomena as music, art, war, political activism, religion, communication, family life, and popular culture. Courses required for the major fall into the following categories: history and culture; literature, art and communication; and contemporary society. Course listings are available in the Women's and Gender Studies office and their, ws.ou.edu.

Scholarships and Financial Aid
The Betty Baum and Norman Hirschfield Scholarship is a permanently endowed scholarship fund which awards three scholarships of $4,000 annually to single mothers returning to school. At the time of the application, the candidate must have completed, within the past five years the equivalent or at least two semesters of full-time study (30 hours), with a B average or better, and attend the University of Oklahoma, Norman.

CAREERS
Women’s and Gender Studies students learn a variety of marketable skills: critical thinking, writing, public speaking, organization, conflict resolution, diversity training and project design. The interdisciplinary and global perspective gained will enable the student to bring insight, sensitivity and appreciation to any professional situation they pursue. Majors will be well-prepared for work in for-profit or not-for-profit organizations, social service agencies, human rights advocacy, victim's advocacy, or graduate study in law, medicine, human relations, education, nonprofit management, information science, communications, fine arts, public health, or academic research.

MINOR
A minor is offered in Women's and Gender Studies. Students must complete 12 hours of courses, including Introduction to Women's Studies and an internship or capstone. Many of the upper-division electives in the Women's and Gender Studies minor can be used to fulfill general education requirements.

Interested students should contact the Women's and Gender Studies office or website for current course listings.

Courses in Women’s & Gender Studies
Women’s and Gender Studies courses are offered through a variety of departments in addition to the following Women’s Studies (WS) courses: 1003, Introduction to Women’s Studies; 2120, Interdisciplinary Course in Women’s Studies; 3043, Gender, Power and Leadership; 3220, Topics Courses including: Red Dirt Women and Power, Gender and Interpersonal Communication, Women’s Psychosocial Development, and Women and Religion; 3233, Women Creating Social Change; 3413, Body Image vs. Reality; 3423, Women and Sports; 3563, Women and World Politics; 3810, Topics Course including: Motherhood in Contemporary Society, Women, Law and International Human Rights; 3933, Witch-Hunt in Early Modern Europe; 3960, Honors Reading; 3980, Honors Research; 4003, Method and Theory in Women's Studies; 4013, Internship; 4120, Women, Violence and the Law; 4123, Contemporary Feminist Thought; 4553, Women and the Law; 4913, Senior Thesis; 4990, Independent Study; 5013, Internship; 5120, Interdisciplinary Course; 5123, Contemporary Feminist Thought; and 5960, Directed Reading. Students should consult the Women's Studies Office for assistance in course selection.

As an interdisciplinary program, Women's and Gender Studies courses are offered through a variety of departments which include: African and African-American Studies, Anthropology, Art History, Classical Culture, English, Health and Exercise Science, History, Honors College, Human Relations, International and Area Studies, Journalism and Mass Communication, Liberal Studies, Modern Languages, Literatures and Linguistics, Musicology, Political Science, Religious Studies, Sociology, and others as topics are made available.

Graduate Study
Several graduate courses are offered each year in Women's and Gender Studies. However, in order to pursue graduate study in Women’s and Gender Studies, a graduate student must be accepted into a department and design an interdisciplinary degree program in accordance with Graduate College guidelines. Women’s and Gender Studies faculty will assist students with program design.

Undergraduate Study

MAJOR
Students may major in Women's and Gender Studies in the College of Arts and Sciences. The Women's and Gender Studies faculty has approved 33 hours of coursework including the following: Introduction to Women's Studies; a minimum of three hours in each of the categories History and Culture, Literature, Art and Communication, and Contemporary Society and Policy; one course in Method and Theory in Women’s Studies; a senior seminar; and a senior thesis or internship.

A summer sunset reflects off the Neustadt Wing of Bizzell Library and clock tower. (Photo by Angela Startz)
Department of Zoology

William J. Matthews, Chair
Rosemary Knapp, Director of Graduate Studies
James N. Thompson, Jr., Director of Undergraduate Studies

314 Richards Hall
Norman, OK 73019-6121
Phone: (405) 325-4821
FAX: (405) 325-7560
Internet: http://www.ou.edu/cas/zoology/

Faculty Roster

Degrees Offered
- Bachelor of Science in Zoology
- Master of Science
- Master of Natural Science
- Doctor of Philosophy

Information on both undergraduate and graduate programs is included. However, the general information contained in this section mainly covers undergraduate study. For additional information on graduate programs, please refer to the Graduate College’s website at http://gradweb.ou.edu/.

General Information
The program in Zoology began soon after the University of Oklahoma was founded, and the first Ph.D. degree awarded by OU was in Zoology. Faculty research and the graduate program have internationally-recognized strengths in areas of animal behavior, aquatic biology, biodiversity and conservation biology, cell signaling, development and regeneration, ecology, evolutionary biology, genetics and genomics, life history and breeding systems, neural bases of behavior, organismal biology, and vertebrate paleontology. These foci fall under two overarching intellectual themes: (1) Ecology and Evolutionary Biology, and (2) Neurobiology, Cell Signaling and Development. Research and training facilities at the OU Biological Station, the Sam Noble Oklahoma Museum of Natural History, the Oklahoma Biological Survey, and the Stephenson Research and Technology Center enhance the research opportunities for faculty and graduate students.

The Department of Zoology takes special pride in its teaching at both the graduate and undergraduate levels. Courses at the undergraduate level provide a broad foundation in biology and allow students to pursue selected areas of interest in depth through research participation and advanced courses.

Zoology is a popular major for students interested in a health professions career, and the curriculum provides an excellent base of preparation for a wide variety of careers or for postgraduate study. The department encourages participation in the Honors College, the Zoological Society, and other opportunities for individualized educational enhancement.

Programs for Academic Excellence
The Zoology Department is actively involved in the Honors Program, and many undergraduate students carry out independent research projects under the guidance of faculty members with national and international reputations in their fields. The Zoological Society, the Premed Club, the PreVet Club, the Minority Associate of Pre-Health Students, and Alpha Epsilon Delta are sponsored by Zoology faculty members and allow students with common interests to take field trips and hear talks about career planning and other important topics. The Zoology Aid Program (ZAP) is comprised of undergraduate students who volunteer to tutor other students in Introductory Zoology. It is a rewarding experience for both the ZAP volunteers and those with whom they work.

The Zoology Association of Graduate Students works with the faculty to organize the weekly seminar program of visiting scholars and other educational enrichment opportunities for both graduate and undergraduate students. Additional weekly seminars in neurobiology, ecology and evolutionary biology, and cell and molecular biology provide venues for graduate students and faculty to discuss research ideas and findings.

RESEARCH OPPORTUNITIES
Undergraduate students can participate in research with Zoology faculty in a number of ways, such as Independent Study courses and Honors Research courses. Original research is central to our graduate programs, and graduate student research in the department spans the entire range of biological inquiry from molecules to organisms to ecosystems.

Special Facilities and Programs
The Zoology Department is housed in Richards and Sutton Halls, which contain faculty and graduate student offices, research and teaching laboratories, multi-user molecular laboratories, maintenance shop, departmental stockroom, and computer rooms. Support staff including academic advisers, an audiovisual technician, a computer specialist and a shop supervisor, are available to assist students. Teaching and research opportunities are provided for students at the following locations.

LABORATORY ANIMAL FACILITY
This facility contains breeding colonies of rodents and provides housing for a variety of other small mammals, fish, amphibians, and reptiles.

TISSUE CULTURE LABORATORY
This lab provides facilities for in vitro culture of vertebrate cells and tissues and for the production of monoclonal antibodies.

BIOLOGICAL STATION, BIOLOGICAL SURVEY, SAM NOBLE OKLAHOMA MUSEUM OF NATURAL HISTORY
The University of Oklahoma Biological Station, located on Lake Texoma, on the Oklahoma-Texas border, is a permanent field station with a resident staff of research scientists that provides year-round facilities for faculty and students. Its summer session with approximately ten courses is attended by undergraduate and graduate students from throughout the country.

Students also use research collections and laboratories at the Sam Noble Oklahoma Museum of Natural History, and participate in field and laboratory research through the Oklahoma Biological Survey.

AQUATIC RESEARCH FACILITY
This facility, located on the University South Campus, includes four greenhouses, 32 experimental ponds and a large array of artificial streams for faculty and student research and teaching.

OLIVER WILDLIFE PRESERVE
This wilderness area of 80 acres, situated just two miles south of the main campus, provides a natural laboratory for studies in ecology, natural history, and animal behavior.
Scholarships and Financial Aid

M. BLANCHE AND M. FRANCES ADAMS SCHOLARSHIP
The department awards scholarships of up to $3,000 to undergraduate or graduate students majoring in Zoology, based on nominations, merit, and financial need.

GEORGE MIKSCH SUTTON SCHOLARSHIP
Scholarships in the amount of $500 to $2,000 or more are awarded to undergraduate and graduate students in the field of Ornithology. Selection is based on merit and financial need.

For more information on these scholarships, contact the Department of Zoology or the Office of Financial Aid Services.

All applicants to our graduate program are automatically considered for teaching and research assistantships at the time of application. These assistantships provide a stipend, tuition waiver, and health insurance. For more information, contact the Department of Zoology.

Undergraduate Study

The zoology major program is designed to meet the needs of students who plan to enter graduate school in the biological sciences, to enter medical, dental, or veterinary college, or to work in specialized paramedical fields, environmental programs, or other careers for which zoology would serve as an academic background. The department strongly recommends that each student work closely with his or her advisor on a regular basis since not all courses are offered every semester. Each major or prospective major should work closely with the zoology advisory office on a regular basis to plan a program which will meet their career goals. The advisory office can furnish information on courses, curricula and careers available to majors and will facilitate the assignment of a faculty advisor.

Zoology majors may also work for the standard secondary teaching certificate in science. For information consult an academic adviser in the Office of Student Academic Services.

The Department of Zoology has an honors program which involves original research and the writing of an honors thesis. Qualified students should consult the zoology Honors Liaison for details.

The department offers undergraduate majors an opportunity to participate in undergraduate teaching and faculty research programs. The zoology major must complete 36 hours of major coursework, with at least 15 of these hours at the upper-division level. A grade of C or better must be earned in each major course and major support course.

The following courses may not be counted as major work in zoology: Zoology 1114, 1121, nine upper-division hours, and at least two laboratory courses beyond 1121.

BACHELOR OF SCIENCE IN ZOOLOGY

Majors in zoology must take the following courses: BIOL 1134, and ZOO 1124, 2124, 2234, 2255, and BIOL 1003, 1005, 1013.

Up to 6 elective credit hours may be taken from biology courses outside of Zoology. Specific courses must be approved by the Advising Office. Geology 3513 may be counted as major work in zoology.

The following courses in related sciences are also required for all zoology majors: Chemistry 1315 and 1415; Chemistry 3053, 3152 and 3153 or 3653; History of Science 3013 or 3023, or approved ethics in medicine or biology; Mathematics 1743 or 1823; Physics 2414 and 2424 (or 2514 and 2524).

MINOR
A minor requires a minimum grade of C in 20 hours of courses, including Zoology 1114, 1121, nine upper-division hours, and at least two laboratory courses beyond 1121.

MINORS may substitute Human Anatomy (2255 or 2234) for Comparative Anatomy (2204) or Human Physiology (2124) for Principles of Physiology (3103). ZOO 2124, however, will not count toward upper-division credit.

Graduate Study

AREAS OF SPECIALIZATION
Graduate student and faculty research in the department can be described by two overarching intellectual themes: 1) Ecology and Evolutionary Biology, and 2) Neurobiology, Cell Signaling and Development. Many faculty have research interests that span these themes as reflected by current research foci in the department: animal behavior, aquatic biology, biodiversity and conservation biology, cell signaling, development and regeneration, ecology, evolutionary biology, genetics and genomics, life history and breeding systems, neural bases of behavior, organismal biology, systematics, and vertebrate paleontology.

In addition to M.S. and Ph.D. Zoology programs, many zoology faculty participate in two other biology Ph.D. programs on campus: Ecology and Evolutionary Biology (www.ou.edu/eeb) and Cellular and Behavioral Neurobiology (www.ou.edu/cbn).

Detailed information may be obtained from the Director of Graduate Studies or by contacting zoologygrad@ou.edu.

ADMISSION REQUIREMENTS
Applicants for admission must submit a departmental application, three letters of recommendation, and scores on the general Graduate Record Examination (GRE) in addition to the other credentials required by the Graduate College. The GRE Biology subject test is strongly recommended but not required. Prospective students may obtain information about times and places for the GRE from the Educational Testing Service (www.ets.org/gre). The deadline for applications is December 15, but later applicants can be considered if openings are available. Students whose native language is not English must submit scores on the Test of English as a Foreign Language (TOEFL, www.ets.org/toefl) or International English Testing System (IELTS; www.ielts.org).

PREREQUISITES FOR FULL GRADUATE STANDING
The student must meet the general requirements stated in the graduate section of this catalog, and must present at least 24 semester hours of credit in biological science. The student must also have completed: one course in calculus (equivalent of Mathematics 1823 or 1743); one course in college physics; introductory chemistry (two semesters or equivalent prerequisite for organic or biochemistry); one additional course in organic or biochemistry; and six hours of additional physical sciences and/or mathematics (e.g., chemistry, physics, geology, meteorology, advanced calculus, or statistics).

Courses needed to fulfill requirements for full graduate standing cannot be taken on a pass-no pass system of grading and must be completed within the first 18 hours of coursework, but preferably within two semesters. During the week prior to enrollment in the first fall semester of graduate
work, each student takes an Advisory Examination which covers the major fields of zoology (anatomy/physiology, genetics/evolution, ecology/behavior, and cell biology/development). Results of this examination are used to evaluate the student’s background in zoology to help ensure a background in basic biological principles.

During the first academic year of graduate work, the student must have made an agreement with a faculty member to serve as major professor and meet with their advisory committee.

All students in a zoology graduate degree program must complete a course in professional aspects of biology (Zoology 6012), and a course in biostatistics (Zoology 4913 or equivalent). An introduction to biochemistry is strongly recommended (Chemistry 3653, 4753 or equivalent), as is a course in evolution (Zoology 3013 or equivalent). Additional details of a student’s graduate program are arranged in conference with their advisory committee.

Summer study at acceptable biological stations or research laboratories or as a member of an approved field research party is strongly recommended. Graduate credit may be given for this work. The University of Oklahoma maintains a biological station at Lake Texoma, and graduate courses are offered there each summer.

Degree Requirements

MASTER OF SCIENCE DEGREE

Students must meet the general requirements for the master’s degree as stated in the Graduate College Bulletin. Students identify a special field of interest and one supporting field.

The Department of Zoology requires the completion of a thesis. The degree program consists of at least 30 hours, of which six may be research (Zoology 5980). The comprehensive final examination over all of the work offered for the degree, including the thesis, is oral.

MASTER OF NATURAL SCIENCE DEGREE

Students interested in teaching science in the secondary schools are referred to the degree of Master of Natural Science offered through the College of Education. Zoology is one of the fields which may be used to meet requirements of this degree.

DOCTOR OF PHILOSOPHY DEGREE

Students must meet the general requirements for the Ph.D. degree as stated in the Graduate College Bulletin. Beyond this, doctoral programs are individually planned by the student’s advisory conference. Minimal requirements that apply to all zoology doctoral programs are the attainment of an advanced level of achievement in a special field of interest and at least two supporting fields, and two semesters’ service as a teaching assistant. Students advance to Ph.D. candidacy upon successful completion of both written and oral portions of the General Examination. A portion of the oral examination must include defense of a dissertation proposal. The general examination must be taken by the student’s fifth semester in the Ph.D. program. Detailed information can be obtained from the Director of Graduate Studies.