

Graduate College

Graduate College Calendar

(Refer also to the "University Calendar")

First Semester 2006-2007, Fall 2006

- August 21, Monday
Class work begins
- September 1, Friday
Last day to file a diploma application and Graduation Clearance Form
- September 1, Friday
Revised plan of study (if needed) due in Graduate College
- October 27, Friday
Admission to doctoral candidacy for Spring due in Graduate College
- November 3, Friday
DRAFT of dissertation, thesis or report due in Graduate College
- December 1, Friday
FINAL COPIES of dissertation, thesis or report (paper submissions) due in Graduate College
- December 8, Friday
Online submission of electronic thesis or dissertation due
- December 15, Friday
Class work ends
- December 15, Friday
Graduate Commencement

Second Semester 2006-2007, Spring 2007

- January 8, Monday
Class work begins
- January 19, Friday
Last day to file a diploma application and Graduation Clearance Form
- January 19, Friday
Revised plan of study (if needed) due in Graduate College
- January 26, Friday
Admission to doctoral candidacy for Summer due in Graduate College
- March 23, Friday
DRAFT of dissertation, thesis or report due in Graduate College
- April 20, Friday
FINAL COPIES of dissertation, thesis or report (paper submissions) due in Graduate College
- April 27, Friday
Online submission of electronic thesis or dissertation due
- May 4, Friday
Class work ends
- May 4, Friday
Graduate Commencement

Summer 2007 Regular 8-Week Summer Session

- June 4, Monday
Class work begins
- June 8, Friday
Last day to file a diploma application and Graduation Clearance Form
- June 8, Friday
Revised plan of study (if needed) due in Graduate College
- June 8, Friday
Admission to doctoral candidacy for Fall due in Graduate College
- June 15, Friday
DRAFT of dissertation, thesis or report due in Graduate College
- July 13, Friday
FINAL COPIES of dissertation, thesis or report (paper submissions) due in Graduate College
- July 20, Friday
Online submission of electronic thesis or dissertation due
- July 27, Friday
Class work ends

First Semester 2007-2008, Fall 2007

- August 20, Monday
Class work begins
- August 28, Friday
Last day to file a diploma application and Graduation Clearance Form
- August 28, Friday
Revised plan of study (if needed) due in Graduate College
- October 26, Friday
Admission to doctoral candidacy for Spring due in Graduate College
- November 2, Friday
DRAFT of dissertation, thesis or report due in Graduate College
- November 30, Friday
FINAL COPIES of dissertation, thesis or report (paper submissions) due in Graduate College
- December 7, Friday
Online submission of electronic thesis or dissertation due
- December 14, Friday
Class work ends
- December 14, Friday
Graduate Commencement

Second Semester 2007-2008, Spring 2008

- January 7, Monday
Class work begins
- January 18, Friday
Last day to file a diploma application and Graduation Clearance Form
- January 18, Friday
Revised plan of study (if needed) due in Graduate College
- January 25, Friday
Admission to doctoral candidacy for Summer due in Graduate College
- March 21, Friday
DRAFT of dissertation, thesis or report due in Graduate College
- April 18, Friday
FINAL COPIES of dissertation, thesis or (paper submissions) report due in Graduate College
- April 25, Friday
Online submission of electronic thesis or dissertation due
- May 2, Friday
Class work ends
- May 2, Friday
Graduate Commencement

Summer 2008 Regular 8-Week Summer Session

- June 2, Monday
Class work begins
- June 6, Friday
Last day to file a diploma application and Graduation Clearance Form
- June 6, Friday
Revised plan of study (if needed) due in Graduate College
- June 6, Friday
Admission to doctoral candidacy for Fall due in Graduate College
- June 13, Friday
DRAFT of dissertation, thesis or report due in Graduate College
- July 11, Friday
FINAL COPIES of dissertation, thesis or report (paper submissions) due in Graduate College
- July 18, Friday
Online submission of electronic thesis or dissertation due
- July 25, Friday
Class work ends

A. Gordon Emslie, Ph.D., D.Sc.,
Dean and Associate Vice President for Research

Mark E. Payton, Ph.D., *Associate Dean*

Craig Satterfield, Ed.D., *Senior Director, Student Academic Services*

Michael Heppler, M.Ed., *Assistant Director of Student Academic Services*

Susan Mathew, Ed.D.,
Coordinator of Admissions

Students in pursuit of advanced degrees and certificates in the Graduate College, and the members of the graduate faculty with whom they interact, share a number of common goals. First and foremost is the scholarly pursuit of new knowledge, both through didactic instruction and through independent and group research conducted utilizing the facilities and resources of a major university. A closely related goal is the dissemination of that knowledge to the scholarly community. Oklahoma State University strives to maintain national and international recognition through the scholarly research and creative work performed by faculty and students under the auspices of OSU's graduate programs. The principal objective of the Graduate College is to ensure that advanced degrees and graduate certificates from OSU are worthy of the effort, commitment and contributions to knowledge involved.

The Graduate College may be reached at:

General Inquiries: 405-744-6368

Admissions: 405-744-6371

FAX: 405-744-0355

E-Mail: grad-i@okstate.edu

Internet: <http://gradcollege.okstate.edu>



Organization of the Graduate College

Consistent with its objective of maintaining the highest standards in graduate education, the Graduate College administers regulations and requirements specified and established by the Graduate Faculty. The Graduate Council is the executive committee of the Graduate Faculty; it is elected by the Graduate Faculty to work with the dean of the Graduate College in the development and administration of applicable policy. The Graduate Council formulates and reviews policies concerning the conduct of graduate study at OSU, and it participates in the periodic review of graduate programs. All proposed policies, and all requests related to the initiation and development of graduate curricular offerings, are referred to the Graduate Council for review, comment and approval.

Any request for a waiver of, exception to, or deviation from, any requirement set forth in the "Graduate College" section of the *Catalog* must be in the form of a written petition to the dean of the Graduate College. Such petitions should include a supporting letter from the major advisor.

Graduate Council Members

A. Gordon Emslie, Chair
Robert W. Hunger, Vice Chair

Group I --Biological Sciences

Leon Spicer, *Chair* (Animal Science)

Brad Kard, *Vice Chair* (Entomology & Plant Pathology)

Jeanmarie Verchot-Lubicz, *Secretary* (Entomology & Plant Pathology)

Group II--Humanities

William Decker, *Chair* (English)

Allen Scott, *Vice Chair* (Music)

Perry Gethner, *Secretary* (Foreign Languages and Literatures)

Group III--Physical Sciences and Technology

Dale Alspach, *Chair* (Mathematics)

Ziad El Rassi, *Vice Chair* (Chemistry)

Rob Whiteley, *Secretary* (Chemical Engineering)

Group IV--Social Sciences

Carolyn Henry, *Chair* (Human Development and Family Science)

Charlie Hendrix, *Vice Chair* (Human Development and Family Science)

Richard Potts, *Secretary* (Psychology)

Group V--Education

Lowell Caneday, *Chair* (Applied Health and Educational Psychology)

John Romans, *Vice Chair* (Educational Psychology)

Diane Montgomery, *Secretary* (Applied Health and Educational Psychology)

Group VI--Biomedical Sciences

Alexander Rouch, *Chair* (Pharmacology and Physiology)

Lin Liu, *Vice Chair* (physiological Sciences)

David Moll, *Secretary* (Veterinary Clinical Sciences)

Accreditation

Oklahoma State University is accredited by the Higher Learning Commission, (HLC) of the North Central Association of Colleges and Schools. (The HLC may be reached at 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504; telephone (800) 621-7440; the Internet address is: www.ncahigherlearningcommission.org.) Several programs within the colleges are also accredited by other agencies; see the "Accreditation" section in the front of this *Catalog*.

Services for Graduate Students

Library

The Oklahoma State University Library contains over 7 million books, documents and microforms. Graduate students are entitled to a 120-day check-out period for books. Through its website the Library provides access to more than 200 bibliographic databases and more than 41,000 full text journals. Students have access to all online resources from computers located in the Library or any computer with Internet access, regardless of location via the Library's proxy server. The following databases are a small sample of those provided by the Library: *Web of Science*, *LexisNexis*, *ProQuest Direct*, *SciFinder Scholar*, *Early English Books Online*, *Classical.com*, *PsycInfo* and *Compendex*. A complete list of databases is available on the Internet (<http://www.library.okstate.edu/database/index.htm>).

Of particular interest to graduate students is *Digital Dissertations*, an online fully searchable archive of doctoral dissertations including work from over 1,000 graduate schools and universities completed from 1861 onward. Citations for dissertations published after 1980 also include 350-word abstracts written by the author. OSU users of *Digital Dissertations* have free full text access to dissertations from OSU and other institutions published from 1997 forward.

The Library recently underwrote the cost of digitizing most OSU dissertations completed between 1961 and 1996, giving OSU users full text access to more than 30 years of OSU dissertations. Several other institutions are adding their older dissertations to *Digital Dissertations* and these are also available to OSU users.

Through the Library, students have access to more than 41,000 online full text journals including all titles from the following publishers: *Academic Press, Blackwell Science, Elsevier, Pergamon, Wiley Interscience, Kluwer, Dekker, Annual Reviews, American Institute of Physics, American Physical Society, Optical Society of America, Institute of Physics, and the Institute of Electrical and Electronic Engineers*. A complete list of full text journals is available on the Internet (<http://www.library.okstate.edu/ftdb/index.htm>).

With help from the Student Technology Fee, the library launched the first "floating computer lab" on campus. Laptops are available to students for five-hour check-out periods. The laptops have wireless access to the Internet anywhere in the building. For material the library does not own, Interlibrary Loan Service accepts requests for both books and articles online through the library website. Most articles requested through Interlibrary Loan are delivered electronically to the requestor's desktop computer. While many articles are available online, there are some publications to which OSU only has print access. Any print article owned by the Library will be made available electronically by request through the Document Delivery service. Requests can be made online at any time, and are downloaded and processed during work hours. The Library normally fills requests within 48 hours or receipt.

Information Technology

Information Technology provides administrative and academic computing services and support, data communications and telephone services for Oklahoma State University. Services include network and communications infrastructure, software development, enterprise application systems management, data center services, system security operations, enterprise server administration, computer training, publications, desktop computing support and a comprehensive Help Desk.

The IT Help Desk provides diagnostic support and assistance by phone, by e-mail or in person. The Help Desk is open Monday through Friday 7:00 a.m. until 1:00 a.m., Saturday 10:00 a.m. to 5:00 p.m. and Sunday 2:00 p.m. to 11:00 p.m. More Help Desk information may

be found at <http://help.okstate.edu>.

Student technology resources are provided via an Ethernet-based network. All campus housing provides each resident and common living space with a 10/100 megabit per second dedicated connection to the Internet. OSU's Edmon Low Library, Classroom Building, Student Union and various other public areas provide wireless access for central campus. An extensive data communications network provides interfaces to OneNet, the Internet and Internet 2. Students receive computer laboratory access, network data storage space and electronic mail as soon as they enroll at OSU.

Five general campus labs (three of which are open 24 hours a day, seven days a week) and 24 departmental labs provide easy on-campus access to computing resources for students. The labs provide general word processing, spreadsheet, database, graphics, electronic mail and Internet access on PC-compatible and Apple Macintosh computers with connections to the campus network. Multimedia and CD capabilities are also available. All labs have wheelchair access and feature Adaptive Technology software.

OSU students are eligible for free Microsoft products through OSU's Microsoft Campus Agreement, discounted pricing on computers with Dell Computers, and Internet service at reduced rates through Chickasaw Telecommunications.

Additional information about Information Technology at Oklahoma State University can be found on the Internet (<http://it.okstate.edu>).

Living Accommodations

Oklahoma State University offers over 20 residence halls, seven family-first neighborhoods, and over 30 dining options to meet the needs of every student.

Graduate students have many options of on-campus housing. While all residence halls (including traditional halls, deluxe suites and apartments) are open to graduate students, several halls are classified as non-freshman halls. Both nine- and 12-month contracts are available, and all halls are open continuously throughout the academic year. OSU is constructing six new suite buildings to be open in the Fall of 2006.

The family-first University Apartments features seven neighborhoods. The units are primarily two-bedroom units with some three-bedroom units available. All units are available as furnished or unfurnished. These units are available to married and graduate stu-

dents, and as space is available, juniors and seniors. To be eligible, the resident must be a full-time student (nine credit hours per semester) or be enrolled in six credit hours and be employed by the University on a part-time basis.

To apply for either housing option, an application and appropriate fee must be submitted to the Residential Life office. Space is assigned by the date on which the completed housing contract is received, so early application is essential. For more information, contact the Residential Life office (phone 405-744-5592) or on the Internet (www.reslife.okstate.edu).

Students with Children

Information on child care in the Stillwater community is available at the following locations on campus:

Family Resource Center—719 N. Walnut (405)744-6539

Nontraditional Student Services—060 Student Union, (405)744-5488

Non-traditional Student Organization—045 Student Union (405)744-7508

Health Services

University Health Services provides medical care to OSU students. All students enrolled in at least one hour at the Stillwater campus are eligible to be seen at the University Clinic. Personal counseling is available from University Counseling Services.

Refer to the "Student Services" section of the *Catalog* for a full description of University health services.

Graduate Assistants and Associates Health Insurance

Graduate assistants and associates are eligible for health insurance through OSU if they meet the following criteria:

employed at least 10 hours per week in a GA/GTA/GRA position throughout the fall and spring semesters, and

enrolled in six graduate credit hours for the fall and spring semesters, (three graduate credit hours for the summer).

The University provides the student's coverage on a semester-by-semester basis. Students receiving the GA/GTA/GRA insurance are required to pay the semester health fee. Coverage is through AIC (American Insurance Company) and the policy is administered by Academic Risk Management. Information on the policy is available on the

Internet (www.academichealthplans.com), at the Graduate College, or through University Health Services.

Campus Recreation

Intellectual exercising involves complete development of the mind, body and spirit. Opportunities for students to use their free time include concerts, lectures, films and other media forms. Many student organizations function to enhance the educational experience of the student. Campus recreation offers a wide variety of organized and informal recreational programs at the Colvin Recreation Center. These activities include intramural sports, sport clubs, Outdoor Adventure, instructional classes, and adaptive programs. More information may be found on the Internet (<http://fp.okstate.edu/campusrec/>).

Student Union

The Student Union offers a host of programs and services making it the place to be on the Oklahoma State campus. The facilities include a bookstore, retail shops, banking services, a travel agency, a campus post office, restaurants, lounges, meeting rooms and a hotel. In the basement of the Student Union is an extensive Campus Life facility that houses a computer lab and campus organizations such as the International Student and Scholars Organization, and the Non-Traditional Student Organization.

More information about the Student Union and its offerings can be found on the Internet (<http://osunet.okstate.edu>).

Graduate and Professional Student Government Association

The Graduate and Professional Student Government Association (GPSGA) is an official advisory body to the University President and serves as the representative voice for graduate and professional students at OSU. Its mission is to improve all aspects of post-graduate education and student life at OSU.

The Association has representatives from each graduate and professional degree program. Representatives are nominated by the programs with membership conferred by the GPSGA president. Each representative is appointed for a term of one year; a representative must be in good academic standing and enrolled in at least two credit hours.

The GPSGA provides funds for graduate and professional student organizations and travel grants to help students

defray costs incurred by attending and presenting at professional meetings. For more information consult the Internet site (www.gpsga.okstate.edu).

Financial Aid

Tuition and Fees

Refer to the section on "Costs", at the front of this *Catalog*.

Miscellaneous Sources of Financial Aid

1. Electronic databases that may have information are:
 - Community of Science (COS), databases of research information, including funding opportunities. COS can be accessed via the Internet (<http://www.cos.com>).
2. The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding grants and cooperative agreements for research and education in the sciences, mathematics and engineering.
3. University and public libraries have information on federal, state and private sources of aid. Factors other than financial need are often taken into account.
4. Many companies and labor unions have programs to help defray the cost of advanced education for their employees or members of their families.
5. Students should check foundations, religious organizations, fraternities or sororities, town or city clubs, community and civic organizations such as the American Legion, 4-H Clubs, Kiwanis, Jaycees, Chamber of Commerce and the Masonic Lodge.
6. Organizations connected with a student's field of interest often provide scholarships. These organizations may be listed in the U.S. Department of Labor's Occupational Outlook Handbook, or a student can often find out more about these by contacting faculty members in the major field.

Oklahoma State University Loans

OSU provides opportunities for students who need financial assistance. These funds are available to students who meet the eligibility requirements

of the various programs and are making satisfactory progress in their college work. The Short-term Loan program provides up to a maximum of \$300 per semester for the purpose of meeting educationally-related expenses.

There is no centralized location for graduate student financial aid; therefore, the student should also contact the reference section of the library for information, as well as Financial Aid options on the Internet (www.okstate.edu/finaid).

National Fellowships

Fulbright—Contact 076 Student Union, 405-744-5459 or on the Internet (www.iie.org).

Tuition Waiver Policy for Graduate Assistants and Graduate Student Spouses

The University will waive the non-resident portion of tuition for graduate assistants who are enrolled full-time and who are employed at least one-fourth time for the entire semester in research or instruction related to their degree programs.

The nonresident tuition for summer may be waived even if the student is not employed as a graduate assistant for that period if the student held an assistantship for the preceding spring semester.

A graduate student spouse of a graduate assistant is eligible to apply for a nonresident tuition waiver for graduate enrollment. Contact the Office of the Registrar for details.

Teaching and Research Assistantships

The University awards numerous teaching and research assistantships with competitive stipends. Fellowship opportunities are available through several programs. All graduate teaching and research assistants employed at least 0.25 FTE are eligible for a resident tuition scholarship each fall and spring semester in which they are so employed.

Service expected and the number of hours of graduate work a student may take are governed by the terms of the appointment. Applications should be addressed to the head of the department in which the appointment is desired.

An offer of a teaching or research assistantship is a commitment by a department or school to provide financial support to admitted graduate students.

Assistantships are an investment made by a school or department and are granted primarily to enable the student to pursue an advanced degree. Accepting an assistantship brings with it a professional obligation to fulfill all of the responsibilities associated with the assistantship assignment. Included in the professional obligation is the expectation that students who have accepted an assistantship will diligently pursue their degree to completion in the department or school providing the assistantship.

International students who are dependent upon an assistantship for their financial guarantee must remember that forfeiture of that assistantship may require the re-submission of a newly revised financial guarantee to the Office of International Students and Scholars. Also, if out-of-state and international students forfeit their graduate assistantships, they risk losing their out-of-state tuition waivers, as well as any health insurance coverage for graduate assistants provided by the University.

In-state Tuition Scholarships

In-state tuition scholarships are available on a limited basis for eligible graduate students. Interested students should contact the graduate coordinator of their program.

Eligibility: U.S. citizen or permanent resident; regular admission to a graduate degree program; cumulative grade-point average greater than 3.00.

Application: Successful completion of the Free Application for Federal Student Aid (FAFSA) annually (packets are available in Office of Student Financial Aid, 119 Student Union or on the Internet (www.fafsa.ed.gov)); apply directly to academic departments.

Award: Varies; awards granted by semester.

Deadline: Contact department for deadline. Additional information is available on the Internet (www.gradcollege.okstate.edu).

Graduate Nonresident Tuition Waivers

Newly-enrolled, nonresident, domestic graduate students who do not hold departmental assistantships, but who are graduates of a McNair Scholar Program, have overcome significant family obstacles, are from underrepresented groups, or can demonstrate financial need may be considered for a waiver of their out-of-state tuition. Departments must submit a request for this waiver on behalf of their newly-enrolled graduate students.

Student Employment

Career Services provides assistance to OSU students seeking part-time employment or work study programs. Students are informed of job opportunities on campus and in the Stillwater community. Applications are available in 360 Student Union. Jobs on campus usually offer 12 to 20 hours of work per week in clerical, technical, food service or general labor positions. Rate of pay and work schedules vary.

Individual job search assistance is available with the graduate career consultant in the Student Union Career Services Office or with any of the college career consultants located in their respective colleges. Services include resume and curriculum vitae development, written correspondence assistance, mock interviews and interview preparation, academic and non-academic job search assistance, workshops and career fairs. More information may be found on the Internet (www.hireosu-grads.com).

Special Programs

Certification Programs

Oklahoma State University offers Oklahoma State Department of Education-approved post-bachelor's certification programs for elementary school principals, school counselors, reading specialists, library/media specialists, and secondary school principals. Certification is also offered in speech and language pathology and in special education.

Master's degrees are available in most of these programs and doctorates are available in many.

Post-master's level certification programs are available for school superintendents and school psychologists.

Inquiries concerning any aspect of the Professional Education program should be addressed to the Office of Professional Education at (405)744-6252 or the head of the department offering the program.

Off-campus Programs

OSU-Tulsa

Oklahoma State University offers graduate courses in Tulsa. All courses offered by OSU faculty are considered resident credit for degrees granted by Oklahoma State University.

The graduate and certification programs that Oklahoma State University offers in Tulsa are:

College of Agricultural Science and Natural Resources

M.S. in Agricultural Education

College of Arts and Sciences

M.S. in Computer Science

M.A. in English

Teaching English as a Second Language

M.S. in Fire and Emergency Management

M.S. in Mass Communications

Ph.D. in Computer Science

William S. Spears School of Business

Master of Business Administration

M.S. in Management Information Systems

College of Education

M.S. in Counseling

Community Counseling

M.S. in Educational Psychology

Educational Psychology

Counseling Psychology

Educational Research and Evaluation

M.S. in Educational Leadership Studies

Higher Education

School Administration

M.S. in Teaching, Learning and Leadership

Curriculum and Leadership Studies

Elementary, Middle, Secondary, K-12 Education

Occupational Education Studies

Reading and Literacy

Secondary Education for Teachers

Non-Traditionally Certified

Special Education

Ed.D. in Applied Educational Studies

College Interdisciplinary Studies-

College Teaching

Ed.D. in Higher Education

Ed.D. in School Administration

Ph.D. in Education

Curriculum and Social Foundations

Occupational Education Studies

Professional Education Studies

Ph.D. in Educational Psychology

Educational Psychology

Research and Evaluation

College of Engineering, Architecture and Technology

M.S. in Civil Engineering
 M.S. in Control Systems Engineering
 M.S. in Electrical Engineering
 M.S. in Engineering and Technology Management
 M.S. in Environmental Engineering
 M.S. in Industrial Engineering and Management
 M.S. in Mechanical Engineering
 Ph.D. in Electrical Engineering

College of Human Environmental Sciences

M.S. in Human Development and Family Science
 Early Childhood Education

Interdisciplinary

Certificate in International Studies
 M.S. in Environmental Science
 M.S. in Natural and Applied Sciences
 Aviation and Space Sciences
 Interdisciplinary Studies
 (Specialization in Health Care Administration)
 M.S. in Telecommunications Management
 Ph.D. in Environmental Science

Prior to enrollment in OSU-Tulsa courses, students should secure approval from their advisors concerning the appropriateness of any courses relative to the degree objective.

Graduate Programs at the OSU Center for Health Sciences and College of Osteopathic Medicine in Tulsa

In 2001, the campus of OSU College of Osteopathic Medicine was renamed the OSU Center for Health Sciences (CHS), to reflect its expanding status as an academic health center with multiple academic programs. Through the CHS, Oklahoma State University offers graduate programs in biomedical sciences (M.S., Ph.D.), and a dual degree tract D.O./Ph.D.) and in forensic sciences (M.F.S.A. and M.S.).

Biomedical Sciences. The M.S. and Ph.D. programs in biomedical sciences are interdisciplinary programs involving the basic biomedical science disciplines of anatomy, biochemistry, cell biology, microbiology, pathology, pharmacology and physiology. The programs consist of core basic sciences medical courses, additional basic sciences graduate courses, research, thesis for the M.S. and a dissertation for the Ph.D. A non-thesis M.S. is also available.

Forensic Sciences. The graduate program in forensic sciences is an interdisciplinary program with two options to

explore the broad range of disciplines, key issues for management and special areas for research within the forensic sciences.

The Master of Forensic Sciences Administration (M.F.S.A.), for individuals with academic or professional experience in forensics-related fields, is designed to develop a broad understanding of the various disciplines along with a management perspective of organizational issues within the forensic sciences. This is a 36-hour non-research program; courses are primarily online.

The Master of Science in forensic sciences (M.S.) is for individuals wanting in-depth study in special areas of forensic sciences. The 39-hour program involves a research project. Most classes will be held on campus in Tulsa or Stillwater, with 18 hours of online courses required.

Interdisciplinary Programs

Oklahoma State University has a series of interdisciplinary graduate programs designed to provide students with a breadth of knowledge that is not ordinarily found in traditional programs. Descriptions are given below of the following interdisciplinary programs:

- Environmental Science
- Food Science
- International Studies
- Natural and Applied Sciences with programs of study in
 - Aviation and Space Sciences
 - Gerontology
 - Interdisciplinary Sciences
 - Health Care Administration
- Natural Sciences
 - Photonics (M.S.)
- Photonics (Ph.D.)
- Plant Science
- Telecommunications Management

Environmental Science

Director
Will Focht, Ph.D.
Program Coordinator
Talya Henderson

The environmental science graduate program at Oklahoma State University is based on the premise that an understanding of, and solution to, environmental problems require the application of skills and knowledge derived from multiple disciplines. Graduate faculty members from the agricultural, biological, physical, and social sciences, as well as from education and engineering,

contribute to the master's and doctoral curricula. Important resources include campus research and learning institutes and laboratories, cooperative programs with public and private agencies, and off-campus research and teaching facilities. Many of these are staffed by personnel drawn from more than one discipline and address problems that are transdisciplinary in scope and solution. The program is designed to utilize these resources to serve students whose interests transcend the traditional demarcations of knowledge and whose goals include broad understanding obtained by crossing disciplinary boundaries in the classroom, laboratory and field.

Graduates from the environmental science graduate program are expected to have skills and knowledge that are applicable to a wide range of environmental research, management and planning vocations. Government, industry, consulting firms, non-government organizations, and educational institutions offer employment opportunities for environmental science graduates.

Programs of Study. The breadth of offerings at Oklahoma State University affords flexibility to the student interested in specific aspects of the environment. A student can design a unique degree plan to target a particular focus area that meets his or her professional goals or can follow structured plans recommended for specializations in:

- environmental management
- environmental disaster management
- environmental education
- environmental policy
- environmental sustainability
- environmental toxicology and risk assessment
- environmental conflict management
- water and watershed management

The student's graduate committee assists the student in preparing a plan of study to assure focus, breadth and quality.

The Master of Science Degree. To obtain an M.S. degree in environmental science, a student must complete a 36-credit hour course of study, which must include a nine-hour core curriculum (ENVR 5303, three hours in social science and three hours in physical science), at least 21 additional course credit hours (including a general ecology course if not taken prior to admittance), and a six-hour research requirement, (e.g., six credit hour thesis, two credit hour report, three credit hour creative component or internship).

The Doctor of Philosophy Degree. To obtain a Ph.D. degree in environmental science, a student must complete a 60-hour plan of study beyond the masters

degree program. The plan must include at least 36-45 credit hours of course work consisting of a six-hour skill component, a general ecology course if not taken prior to admittance, ENVR 5303, and at least 24 credit hours that reflect the biological, social and physical aspects of the specialization selected by the student. Finally the student must complete at least 15 credit hours of dissertation research.

Admission. To apply to the environmental science graduate program, a student must first submit an application and academic transcripts to the Graduate College. Application forms can be obtained at <http://gradcollege.okstate.edu>. In addition, the student must submit a statement of academic, research and professional goals; three letters of recommendation; and a Graduate Record Examination (GRE) report sent directly to the environmental science graduate program. A TOEFL score of at least 90iBT/233CBT/577PBT is required of all international students. Applicants who do not demonstrate knowledge of the fundamentals and principles of chemistry, biology and mathematics will be required to obtain this knowledge in addition to their regular plan of study.

All applications to the environmental science graduate programs should be submitted at least 60 days before the opening of the semester for which enrollment is first intended. International students should supply all application materials by March 1 for fall and summer enrollment, and August 1 for spring enrollment.

Financial Assistance. For consideration, applicants should complete a fellowship application found at (<http://environ.okstate.edu/es>).

Graduate research assistantships and other funding opportunities are often available through faculty members engaged in environmental research. If interested in a research assistantship, the student should indicate so in the letter of application.

Additional information about the environmental science graduate program can be found at <http://environ.okstate.edu/es>.

Food Science

Program Coordinator
Stanley E. Gilliland, Ph.D.

The following departments participate in the food science program: Agricultural Economics, Animal Science, Biochemistry and Molecular Biology, Biosystems and Agricultural Engineering, Horticulture, Plant and Soil Science, and Nutritional Sciences.

Food science is an interdisciplinary graduate program designed to provide an opportunity for students to acquire basic knowledge of the food industry encompassing the biological and physical sciences. The increasing complexity of the problems involved in the production, processing, and utilization of food demands increased fundamental knowledge to solve these problems. There is a great demand for personnel with advanced training in the broad area of food science to staff research and quality assurance facilities of industry, universities and the federal government.

Admission Requirements. Admission to either the Master of Science or Doctor of Philosophy degree program requires an undergraduate major in animal science, biochemistry, dairy science, food science, human nutrition, microbiology or poultry science. Students majoring in other curricula may qualify by remedying specific undergraduate deficiencies recognized by the student's graduate committee. A student enrolling in a degree program must have been accepted by an advisor prior to official admission.

The GRE is required for admission. Three letters of reference, sent to the program coordinator, are also required.

International Studies

Director
Nancy Wilkinson, Ph.D.

Leaders in today's global community require a broad international understanding as well as specific knowledge within a discipline. For this reason, the School of International Studies offers three multi-disciplinary graduate programs: the Master of Science in International Studies, the Master's International Program (MIP), and the Graduate Certificate in International Studies. The MIP combines the M.S. in International Studies with service in the Peace Corps.

Master of Science in International Studies. Students complete 33 credit hours including four core courses, four - five courses in a designated focus area, and two - three elective courses. Students are encouraged to participate in an international internship or other international experience. M.S. students complete their degree with either a thesis or a creative component.

Master's International Program (MIP). This program provides the opportunity to incorporate Peace Corps service into the M.S. in International Studies degree plan. Candidates receive nine credit hours in the SIS master's program for their Peace Corps service.

Certificate of International Studies.

Taken on its own or in conjunction with another graduate program, students can receive a graduate certificate by taking fifteen credit hours in International Studies. Three of the four core courses and two additional courses are selected from a focus area.

The more than 150 faculty members affiliated with the School of International Studies (SIS) come from every academic college at Oklahoma State University. Students select courses from a rich variety of subjects taught by nationally and internationally recognized scholars. Besides the interdisciplinary core courses, students concentrate in one of five focus areas:

- International Trade and Development
- International Business and Economic Relations
- International Human Relations, Society and Education
- Preservation of Environmental and Ecological Resources
- Cultural Heritage and Tourism Development

The SIS graduate programs enroll approximately seventy students from the U.S. and 28 different countries. This dynamic group is equally divided between men and women and between U.S. and international students. Graduates become part of a global network of friends and colleagues positioned to meet tomorrow's challenges.

Natural and Applied Sciences

The Master of Science in natural and applied sciences consists of four program options, each with different specializations designed to address the needs of students with specific interests. The four options are aviation and space sciences, gerontology, interdisciplinary sciences and natural sciences. Within interdisciplinary sciences there are well-defined specializations in health care administration and in photonics. For detailed information on these programs of study, students should contact the program coordinators.

Aviation and Space Sciences

Program Coordinator
Mary N. Kutz, Ed.D.

Students will take a minimum of 12 credit hours from the core requirements and research. The remaining courses, to total a minimum of 33 credit hours, will come from the program emphasis area. Other courses may substitute upon approval from the advisory committee. Students may select the research

component (thesis, report or creative component) with approval of the advisory committee. Six credit hours are allowed for the thesis option, three credit hours are allowed for the research report, and three credit hours are allowed for the creative component.

Gerontology

Interim Program Coordinator Kathleen Briggs, Ph.D.

Students may attain a M.S. degree in Natural Applied Sciences, with a specialization in Gerontology. Gerontology offers two plans to obtain a master's degree in natural and applied sciences. The first plan requires a minimum of 36 credit hours, including a creative component and/or an internship. The second plan includes a thesis and requires a minimum of 33 credit hours, including six hours for the thesis. The student's advisory committee will assist the student in selecting the courses for the plan of study which best address the student's professional and personal goals. In addition to the general admission criteria, students in gerontology must meet two conditions to be eligible for admission:

1. Overall grade-point average of at least 3.00;
2. GRE score with a 900 minimum score (total verbal and quantitative) or MAT score of at least 35.

Contact the Gerontology Institute for more information at: <http://www.ches.okstate.edu/gi/index.html>

Students wanting to attain this M.S. degree with a specialization in Gerontology via the Internet, may do so by participating in the Great Plains Interactive Distant Education Alliance Program at OSU. This Internet-based master's program requires 36 credit hours.

Gerontology Graduate Certificate. The graduate certificate in gerontology, approved by the Oklahoma State Regents for Higher Education, will provide documentation that students have completed a program of instruction and educational experiences in the field of gerontology at the graduate level.

Admission into the program is based on the following criteria:

1. Applicants must have met the University's graduate admission requirements and be currently pursuing a master's or doctoral degree from one of the academic departments at OSU.
2. A student who has already completed a master's or doctoral degree from Oklahoma State University or another accredited institution would also be eligible to complete the gerontology certificate requirements.

3. Students must complete a minimum of 21 graduate credit hours that includes three credit hours of creative or basic applied research activities related to aging populations.

Upon satisfactory completion of the program, students will receive a certificate and a notation on their transcripts. For more information, contact the Graduate College, 202 Whitehurst, or the Gerontology Institute office, 148 Human Environmental Sciences.

Interdisciplinary Sciences

General Program Coordinator Gordon Emslie, Ph.D.

This program is for students who wish to increase their competence in a particular thematic area by taking a series of courses in several disciplines. This multidisciplinary approach provides educational opportunities leading to a variety of careers. Interdisciplinary sciences consists of no fewer than three separate fields of study with at least six hours in each field. No more than 15 hours may be taken in any one area. The advisory committee will assist the student in formulating the plan of study.

Admission Requirements: An undergraduate grade-point average of 3.00 is required for unqualified admission. Students with a grade-point average between 2.50 and 3.00 may be admitted on a probationary basis.

Applications to the program should include:

1. a cover letter indicating the personal goals and professional objectives to be obtained from the program;
2. transcripts from all schools previously attended;
3. three letters of recommendation from persons who can describe abilities, interest, and motivation as a student;
4. a proposed course of study with an endorsement from an OSU faculty advisor

Particular courses are not specified for the degree; the advisory committee can assist in selecting appropriate courses. The course of study must include at least 21 credit hours at the graduate level (5000 or above). Up to nine graduate hours can be transferred from a regionally-accredited graduate program with consent of the advisory committee. The student chooses any of the three master's degree plans:

1. a 30-hour plan, including a six-hour research thesis;
2. a 34-hour plan, including a two-credit hour formal report; or
3. a 36-hour plan with a well-defined, creative and scholarly component.

Health Care Administration

Program Coordinator Leigh Goodson, Ph.D.

This specialization within interdisciplinary sciences is designed for individuals who seek to pursue a career in the field of health care management. The program requires students to take core courses in health care administration and research methods along with a series of electives selected from applicable courses in business and social sciences. The multidisciplinary approach to the health care administration discipline provides students with a unique perspective on the complex issues facing the profession today.

Natural Sciences

General Program Coordinator Leigh Goodson, Ph.D.

This program is for science teachers or other individuals who desire a broader program than that offered in departmental programs. The goal of the program is to provide the student with a breadth of training in science and related areas. To enter the program, the student should have completed a minimum of 30 undergraduate credit hours of science, with biological, physical and earth sciences represented.

Admission Requirements. An undergraduate grade-point average of 3.00 is required for unqualified admission. Students with a grade-point average between 2.50 and 3.00 may be admitted on a probationary basis.

Applications to the program should include:

1. a cover letter indicating the personal goals and professional objectives to be obtained from the program;
2. transcripts from all schools previously attended;
3. three letters of recommendation from persons who can describe ability, interest, and motivation as a student;
4. a proposed course of study with an endorsement from an OSU faculty advisor.

Particular courses are not specified for the degree; the advisory committee can assist in selecting appropriate courses. However, not more than two-thirds of the courses for the degree may be taken in any one of the areas of biological, physical or earth sciences. The course of study must include at least 21 credit hours at the graduate level (5000 or above). Up to nine graduate hours can be transferred from a regionally-accredited graduate program with consent of the advisory committee. The student chooses any of the three master's de-

gree plans:

1. a 30-hour plan including a six-hour research thesis;
2. a 34-hour plan including a two-credit hour formal report; or
3. a 36-hour plan with a well-defined, creative and scholarly component.

Photonics M.S. and Ph.D. Programs

Program Coordinator Paul Westhaus, Ph.D.

Oklahoma State University offers multidisciplinary programs in photonics leading to both the M.S. and the Ph.D. degrees. Both programs draw on the faculties of the departments of Physics, Electrical and Computer Engineering, and Chemistry. A student typically chooses a "home department" on the basis of academic background and research interests. A multidisciplinary program of course work is tailored to the goals of each individual student mentored by a chosen faculty member from the home department and guided by the advisory committee. Both the M.S. and Ph.D. programs provide a biophotonics option.

M.S. Program Paths and Degree Requirements. There are three paths leading to the M.S. degree in Natural and Applied Sciences with a specialization in photonics. All paths require a minimum of 24 credit hours of course work, with at least one course taken outside the student's specialization. Beyond this, the first (30 credit hour) path requires six credit hours of original research culminating in the successful defense of a master's thesis. The second (32 credit hour) path requires six additional credit hours of course work and a two credit hour report. The third (36 credit hour) path requires 12 additional credit hours of course work with a creative component. For the second and third paths at least two courses must be from outside the field of specialization; an oral presentation of the report or the creative component by the student must be acceptable to the advisory committee. A detailed plan of study specific to the specialization and path chosen is formulated by the student in consultation with the advisory committee.

Ph.D. Program Requirements. A total of 90 credit hours beyond the B.S. (60 beyond the M.S.) degree are required for the Ph.D. in photonics. All students must form a preliminary advisory committee to guide them initially in the photonics Ph.D. program. Eventually a student chooses a permanent research advisor who chairs the graduate committee. Course work is taken from the basic and advanced courses offered by

three departments. In addition, students are required to take two or more courses in photonics. Faculty offer photonics tutorials emphasizing particular research problems and techniques. A preliminary exam is administered usually during the student's second year in the Ph.D. program. Admission to Ph.D. candidacy follows the successful completion of the qualifying exam. The focus of the Ph.D. program is the completion of a faculty directed research project and the defense of the resulting thesis. A detailed plan of study specific to the research specialization chosen is formulated by the student in consultation with the advisory committee.

Research Opportunities. The faculty emphasize both basic and applied interdisciplinary research. To accomplish this, in addition to a myriad of state-of-the-art laser systems, the OSU campus houses a molecular beam epitaxial (MBE) growth and analysis facility and unique optoelectronic THz beam systems. Current research programs include quantum optics, "whispering gallery modes", optical fiber communications and optical circuits for computing as well as high speed optoelectronic applications to fundamental and applied problems in the THz frequency range. Other investigations center on the preparation and characterization of specialty-doped insulators and semiconductors for use as lasing materials, non-linear optical crystals for data storage and holographic applications, and photonic-based chemical, physical and biochemical environmental sensors. Research programs in the biomedical applications of lasers at both the basic research and clinical application levels seek to understand the interaction of light with biological materials at the tissue, cellular and molecular levels.

Admission Requirements. Students with a B.S. degree in physics, electrical engineering, chemistry (or related fields) are welcome to apply to the M.S. or Ph.D. photonics program. No additional tests (such as the GRE) are required, but such scores may be submitted in support of an application. A TOEFL score of at least 600 is required of international students.

Applications should include:

- a. a cover letter indicating the program, the department of specialization and whether the student wishes to be considered by that department for a fellowship or teaching assistantship;
- b. a personal statement of interests and goals, noting especially how they relate to the degree in photonics;
- c. transcripts of all previous academic work (an unofficial transcript will suffice for the application; official tran-

scripts are required by the Graduate College after admission.)

- d. the names of three persons who have been requested to submit letters of reference. The student is expected to ask the references to forward the letters to the Department of Physics.

Financial Aid. Most students entering the photonics programs are offered a teaching assistantship in their home department. A student pursuing an original research project may receive support as a research assistant (RA) through grants and contracts to the individual faculty member who serves as the advisor.

Plant Science

Program Coordinator Chuck Tauer, Ph.D.

Solutions to current problems in plant science often require integration of knowledge from a number of disciplines. The Plant Science program at Oklahoma State University provides the opportunity for the exceptional Ph.D. student to develop an academic and research program tailored to his or her individual interests and needs. Faculty participating in this program come from the departments of Biochemistry and Molecular Biology, Botany, Entomology and Plant Pathology, Forestry, Horticulture and Landscape Architecture, Microbiology and Molecular Genetics, and Plant and Soil Science. The multidisciplinary nature of this program allows students to experience many facets of plant science and affords them the flexibility to seek employment in a variety of settings in the plant sciences. Students, in consultation with their graduate committees, develop a program in one of three specialization areas (cellular and molecular, organismal or ecological), but are expected to develop a sound foundation across all disciplines of plant study.

Admission Requirements. Application for admission must first be made to the Graduate College. Additional information required by the plant science steering committee includes a statement defining plant science interests, a resume, three letters of reference, an abstract of the Master of Science thesis (if applicable), GRE scores (the Advanced Biology GRE is also desirable), and a minimum TOEFL of 88iBT/230CBT/570PBT. A student must be accepted by a faculty advisor prior to official admission.

Financial Assistance. Students seeking financial assistance should inquire directly to the department(s) and faculty of interest within the plant science program.

Steering Committee

Chuck Tauer, Forestry

Andrew J. Mort, Biochemistry and Molecular Biology

Gerald Schoenknecht, Botany

Jacqueline Fletcher, Entomology and Plant Pathology

Stephen W. Hallgren, Forestry

Jeffrey Anderson, Horticulture and Landscape Architecture

Robert Burnap, Microbiology and Molecular Genetics

Mike Anderson, Plant and Soil Science

Telecommunications Management

Program Director
Mark Weiser, Ph.D.

The goal of the Master of Science degree in telecommunications management at Oklahoma State University is to prepare students with the skills necessary to manage data, video, and voice communications with telecommunication technologies, and to use those technologies to manage other areas. This program is offered through traditional means to Stillwater and Tulsa students as well as via distance learning and Internet technologies to students at remote locations.

The telecommunications management program draws on the combined expertise of three OSU colleges—the College of Arts and Sciences; William S. Spears School of Business; and the College of Engineering, Architecture and Technology. This allows students to achieve a depth of knowledge in one discipline, while developing broad knowledge in business, technical and communication disciplines. It is also possible for students to emphasize information assurance through the Center for Telecommunications and Network Security and to earn multiple related government certifications.

This program prepares graduates for managing voice, video and data technologies in a competitive environment. Graduates of this program are likely to be employed by providers or users of telecommunications and network technologies.

Telecommunications Management Curriculum. The program curriculum consists of 32-33 credit hours, including seven core courses, one practicum, and three electives. Students may choose either a part-time or full-time sequence. Full-time students can complete the program in one and one-half years while part-time students may be able to complete it in two years.

Admission Requirements. In addition to the OSU Graduate College standard requirements, the telecommunications management program admissions committee will review students' letters of recommendation, GMAT or GRE scores, previous academic performance, and telecommunications experience.

Program information can be accessed via the Internet (<http://mstm.okstate.edu>).

General Regulations

Full authority on all academic decisions within the Graduate College rests with the dean of the Graduate College. The Graduate College policies and procedures described in the *Catalog* are for informational purposes. They are subject to regular review and may be revised at any time by the dean of the Graduate College in consultation with the Graduate Council.

Responsibilities

All graduate students are expected to read and to comply with the written regulations. The regulations presented in the *Catalog* may be supplemented by written departmental or program requirements available at departmental offices. Admission to a specific graduate program obligates the student to adhere to the policies of that program.

General regulations in the following sections relate to requirements for admission, enrollment and academic standing. Subsequent sections outline requirements for the following degrees: Master's, Doctor of Philosophy, Doctor of Education, and Specialist in Education. Particular attention should be given to timing and substantive requirements for matriculation, especially admission, the plan of study, residence, language proficiency, research and thesis or report, and graduation. The regulations are prescribed by the Graduate Council with the intent of assuring high-quality graduate programs and effective interaction of Graduate Faculty members and graduate students.

Admission to the Graduate College

Holders of baccalaureate or first professional degrees from colleges and universities of recognized standing are eligible to seek admission to the Graduate College. In some cases, the Graduate College, in consultation with the major department, may require certain prerequisite courses to bring the applicant's credentials to the equivalent of a four-year U.S. bachelor's degree. These "bridge" courses must be completed within a designated period of time and/or prior to enrollment beyond a prescribed number of hours of graduate course work. *Applicants must submit the completed application form to the Graduate College, with official transcripts of all academic work and degrees received. The application fee must accompany the Application for Admission.*

1. The student should request all institutions previously attended to send one official transcript to the Graduate College, 202 Whitehurst, Oklahoma State University, Stillwater, OK 74078.
2. To be official, the transcript must show the complete scholastic record, bear the official seal of the institution, and be signed by the issuing officer.

To assure adequate time, application forms and transcripts should be received at least 30 days prior to the department application deadline or the beginning of the semester, whichever comes first. *Transcripts and other documents become the property of Oklahoma State University and cannot be returned.*

Standardized Test Scores

Many departments require standardized test scores, such as the Graduate Record Examination (GRE) Miller Analogies Test (MAT) or Graduate Management Admissions Test (GMAT). Applicants must contact the appropriate department for information regarding requirements for these tests.

International Student Admission

International applicants are expected to submit applications, financial affidavits, transcripts and/or marksheets, and results of the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) examinations by March 1 for fall enrollment and by August 1 for spring enrollment. Applications that become complete after these deadline dates will

be reviewed, but the Graduate College cannot guarantee an admissions decision will be made for sufficiently timely issuance of the I-20 form required to obtain an entry visa.

English Proficiency. As a condition of admission to regular graduate study at OSU, all persons for whom English is a second language are required to present an official TOEFL score of 79 iBT/213 CBT/550 PBT regardless of the number of semesters or terms completed at OSU or in other institutions of higher education. Alternatively, an official IELTS, academic stream, examination with a minimum overall band score of 6.5 will satisfy the English proficiency requirements for admission to a graduate program. Either examination must have been taken within the last two years. A waiver of this requirement can be obtained for students who have completed a degree from an accredited U.S. institution of higher learning.

Some departments require a TOEFL score above 79 iBT/213 CBT/550 PBT or an IELTS score above 6.5. Students should contact the department for specific TOEFL or IELTS requirements. Persons who present a TOEFL score of 61 iBT/173 CBT/500 PBT or above, or an IELTS score of 6.0 or above and who demonstrate unusual academic promise may be admitted to graduate study on probationary status. Students who present evidence of undue hardship or other extenuating circumstances may be admitted without a TOEFL or IELTS score. These students will be required to take the Test of English Language Proficiency for International Students (TELP) immediately upon arrival.

TOEFL scores on the Internet-based test (iBT) for reading, listening and writing shall be considered separately. Students who score at least 42 on the combined Reading and Listening portions, with a score of at least 20 in each section, are not required to enroll in any remedial coursework. Students who score less than this on the Reading and Listening portions of the TOEFL (irrespective of the score on the Written portion) are required to enroll in ENGL 0003 during their first semester. ENGL 0003 carries a grade of S/U and may not be used toward minimum degree requirements. Students must enroll in ENGL 0003 each semester until a grade of S is earned. Students who score at or above the minimum score(s) on the Reading and Listening portion of the TOEFL, but less than 22 on the Writing portion, are required to enroll in ENGL 4893* at some point in their studies. ENGL 4893* carries graduate credit and may be used toward minimum degree requirements; a grade of C or better in this course is required. Both ENGL 0003

and ENGL 4893*, as applicable, must be listed on the student's Plan of Study.

Test of English Language Proficiency for International Students. Students for whom English is not their native language and who submit either a CBT (computer-based test) or PBT (paper-based test) version of the TOEFL, or who take the IELTS, must take the Test of English Language Proficiency (TELP) upon arrival at OSU. The TELP is administered on the Stillwater and Tulsa campuses before each regular semester through University Testing and Evaluation (111 N. Murray).

A score of 70 on both portions of the TELP is considered passing. Students who score less than 70 on the Listening/Dictation portion of the TELP (irrespective of the score on the writing portion) are required to enroll in ENGL 0003 during their first semester. ENGL 0003 carries a grade of S/U and may not be used toward minimum degree requirements. Students must enroll in ENGL 0003 each semester until a grade of S is earned.

Students who score at least 70 on the Listening/Dictation portion of the TELP, but less than 70 on the Writing portion are required to enroll in ENGL 4893* at some point in their studies. ENGL 4893* carries graduate credit and may be used toward minimum degree requirements; a grade of C or better in this course is required. Both ENGL 0003 and ENGL 4893*, as applicable, must be listed on the student's Plan of Study. A waiver of the TELP requirement can be granted to a student who:

1. has achieved on the TOEFL a score of 250 CBT/600 PBT or higher and a score of 5.0 or higher on the Test of Written English (TWE) or Essay. Alternatively, a waiver can be granted to a student who achieved an IELTS, academic stream, overall band score of 6.5 or higher and 6.5 or higher on each of the band scores for Listening, Reading, and Writing;
or
2. has completed two full-time semesters of study in an accredited college or university at which English is the primary language of instruction;
or
3. has graduated with a degree from an accredited institution of higher learning, at which English is the primary language of instruction.

Spoken English Proficiency for Employment. OSU policy requires all persons for whom English is a second language to demonstrate an acceptable level of spoken English before being employed in an instructionally related capacity, including laboratory

assignments. GAs who serve only as laboratory assistants (e.g., setting up and/or maintaining equipment) are not required to comply with the provision of this section. Employment requires demonstrated proficiency of a score of 50 on the Test of Spoken English (TSE) or by taking the OSU administered SPEAK (Spoken English Assessment Kit) and scoring 250. International students who have been offered a teaching assistantship must take one of these tests. The test score is used as a condition of employment and is not a condition for admission to the Graduate College. Other spoken English examinations are not acceptable as substitutes for the TSE or OSU administered SPEAK.

The TSE may be taken on campus or at any of the many testing sites provided by the Educational Testing Service. Results must be received prior to the beginning of the school semester in which the student will be teaching. SPEAK Tests are given the Monday and Tuesday before the fall and spring semesters begin and only in Stillwater. The purpose of the SPEAK Test is to determine the spoken language proficiency of speakers of English as a Second Language (ESL). The test is administered in a language laboratory and takes about half an hour. It is divided into seven sections, each of which is evaluated for two or more of the following categories: pronunciation, grammar, fluency and comprehensibility.

A score of 250 or better is an unconditional pass on the ITA test; a score of at least 220 is a provisional pass requiring the assistant, if he or she is assigned to instructional duties, to concurrently enroll in GRAD 5990, a one credit course. Students who score less than 220 and do not enroll in GRAD 5990 may not be employed in an instructionally related capacity (including laboratory instruction). Students who fail the ITA may retake it if they have either passed or are enrolled in GRAD 5990.

Further information about the OSU administered SPEAK can be found on the Internet (<http://english.okstate.edu/ita/>).

International Teaching Assistant Program. Any new international teaching assistant (ITA) is required to participate in the international teaching assistant orientation and evaluation workshop. New ITAs must attend the three sessions of the orientation (whether they have taught in a classroom somewhere else or not) offered at the beginning of the fall and spring semesters.

The ITA Test is a 10-minute evaluation procedure in which the ITA presents five minutes of information for an undergraduate lab, recitation, or

lecture. Each ITA Test (the five minute mini-lesson and the question and answer period) is evaluated by two faculty members from the English Department, a faculty member from the ITAs department, and a small group of undergraduate students. ITA's who pass the ITA Test and who score sufficiently on the TSE or SPEAK will be eligible to teach in the classroom and/or laboratory.

International graduate students who wish to take the ITA Test should:

attend all three ITA orientation sessions;

have a passing score of at least 250 on the SPEAK, or 50 on the TSE;

prepare a five-minute presentation on a topic that they might be asked to teach (i.e., a topic appropriate for an undergraduate course in their field); and

be prepared to respond to questions in a five minute question and answer period following the presentation.

A score of 250 or better is an unconditional pass on the ITA test; a score of at least 220 is a provisional pass requiring the assistant, if he or she is assigned to instructional duties, to concurrently enroll in GRAD 5990, a one credit course. Students who score less than 220 and do not enroll in GRAD 5990 may not be employed in an instructionally related capacity (including laboratory instruction). Students who fail the ITA may retake it if they have either passed or are enrolled in GRAD 5990.

Further information about the ITA can be found on the Internet (<http://english.okstate.edu/ita/>).

Types of Admission

When the applicant's file is complete, the faculty in the department or program of the student's area of interest review the material and recommend an admission status to the dean of the Graduate College. The final decision for admission to the Graduate College is determined by the dean on the basis of the department's recommendations, prior academic performance of the applicant, and availability of space, facilities, and faculty advisors in the program. The decision is conveyed to the applicant by means of a letter.

Admission Without Qualification.

Students planning to work toward a graduate degree in a recognized graduate program may be admitted without qualification provided they meet all Graduate College and departmental requirements.

Provisional Status. A student can be admitted provisionally upon recommendation of the major department at Oklahoma State University and concurrence by the dean of the Graduate College. Admission with provisional status is granted to an applicant who does not meet one or more of the major program's admission requirements or when the applicant does not have the necessary academic background. The department can require additional courses, higher test scores, or other departmental criteria to be met prior to the student's full admission into the major program. The first obligation of a student admitted provisionally is to meet all of the conditions specified at the time of admission. Failure to meet these conditions could result in the dismissal from the program.

Probation Status. A student can be admitted with probation status upon recommendation of the major department at Oklahoma State University and concurrence by the dean of the Graduate College. Admission with probation status is granted to an applicant who has attained less than an acceptable grade-point average in all previous academic course work. A student admitted on a probationary basis must make at least a "B" grade in each course during the first nine to 12 hours of enrollment. The student may be granted full graduate standing after performing at an acceptable academic level in the first nine to 12 hours of enrollment. Failure to meet the required level of academic performance while in a probationary status may result in dismissal from the Graduate College. A student who has been in full graduate standing or special student status may be placed on probation if academic performance in courses taken in graduate status at Oklahoma State University falls below a "B" average or the student makes grades below "B" two semesters in a row.

Special Student Status. An applicant may be admitted to the Graduate College as a special student if he or she does not have immediate plans to become a degree candidate but wants to take graduate courses, prerequisites or other courses. Admission to the Graduate College as a special student means only that the student will be permitted to enroll in courses through the Graduate College. It does not necessarily imply that the student has been or will be admitted to a program leading to an advanced degree or that the student will be able to obtain a graduate degree.

Requirements:

1. A special student must meet all of the academic requirements described for unqualified admission except that he or she need not be admitted or recommended for admission by a department or program.
2. The student is responsible for filing a new application for admission to the Graduate College should he or she wish to become a degree candidate. The new application will be evaluated by faculty of the department or program and the dean of the Graduate College to ascertain admissibility to the degree program.
3. As such work is not guided by a plan of study or approved by an advisor, no more than nine semester credit hours of course work taken while a special student may be used on a plan of study to meet requirements for a degree.
4. Special students are subject to the same academic regulations as those students admitted into degree programs.
5. *International students with an F-1 visa may not enroll as special students.*

Academic advising for students with special student status is carried out by an advisor appointed by the Graduate College. Students should contact the Graduate College at (405) 744-6368 for details.

Transfer of Graduate Credits

Transfer of graduate credits to the Graduate College is possible only when the student was formally admitted to the graduate college at another accredited institution and the course(s) was certified as graduate credit by that institution.

The transfer work must be recommended by the advisory committee as a part of an approved plan of study. The acceptance of transferred work requires the recommendation of the student's advisory committee and approval by the dean of the Graduate College at the time a plan of study is submitted. A maximum of nine credit hours with a grade of "B" or better in each course can be accepted as transfer credits toward a master's degree. Doctoral students must complete at least 30 hours of their program at OSU. However, no more than nine hours may be transferred from institutions that do not grant doctoral degrees.

Departmental or Program Requirements

The General Regulations of the Graduate College are minimum requirements that must be met by all graduate students at OSU. Students are also subject to any additional requirements that are determined by their major department. Departments may require additional admissions material such as test scores, GMAT, GRE, vita, or recommendation letters. Students should contact the major department directly to inquire about additional admissions materials or test score requirements. Any additional information should be mailed directly to the graduate coordinator of the major department.

Readmission to the Graduate College

A prospective student must enroll for courses at OSU within a year after his or her admission date to retain active status. A prospective student who does not enroll within one year must reapply for admission. A student who interrupts enrollment for one year must re-apply for admission, or obtain approval from the department to continue admission, and will then be subject to the regulations in effect at the time of readmission. A student who interrupts enrollment for greater than two years must re-apply for admission.

Enrollment

Enrollment as a Graduate Student

Students with a bachelor's degree are expected to enroll in the Graduate College unless they want to obtain another bachelor's degree. If they enroll as an undergraduate, the courses taken cannot be given graduate credit at a later date.

Date of Matriculation

Graduate College matriculation occurs when a student first enrolls as an admitted graduate student. That date will be used in calculating time limits for degree completion and validity of courses in a graduate plan of study.

Graduate Student Enrollment in Undergraduate Courses

Students admitted to the Graduate College may enroll in, or audit, undergraduate courses that do not carry graduate credit if approved to do so by their principal advisor. Such courses cannot subsequently be used as part of a graduate plan of study.

Some 3000 and 4000 level courses are approved for both undergraduate and graduate credit; these courses are noted with an asterisk (*) in the *Catalog*. Enrollment in such a course by a graduate student usually implies the course is being taken for graduate credit; extra course work is required to complete such a course. Some graduate students may, however, wish to enroll in such courses for undergraduate credit only (e.g., to complete additional courses specified in the graduate admission provisions). They may do so by completing the "Undergraduate Credit for 3000*/4000* Courses" form and submitting it to the Graduate College by the end of the second week of the regular semester, or by the end of the first week of the summer session, in which the 3000*/4000* course is taken. Submission of this form implies that the student wishes to be graded using the same criteria and course completion requirements used for undergraduates in the course. Such courses may not subsequently be used as part of a graduate plan of study.

Undergraduate Student Enrollment in Graduate Courses

An OSU undergraduate senior may take a limited number of courses for graduate credit toward an OSU degree program. To receive credit, a Graduate Credit for Seniors form must be completed by the student to receive graduate credit for courses taken. This form must be submitted prior to the end of the second week of class instruction of a regular semester or the first week of a regular summer session. The required form is available on the Graduate College's Internet site or in the Graduate College. Such credit may be earned under the following conditions:

1. The student must achieve an overall 3.00 grade-point average in all courses and make no grade less than a "B" in those courses for which he or she wants graduate credit.
2. The credits must not be required or needed for a baccalaureate degree.
3. The total semester enrollment must

not exceed 18 credit hours for a regular semester or nine credit hours for a summer session.

4. The student must either complete the requirements for the baccalaureate degree at the end of the semester or summer session or be within 12 semester credit hours of completing such requirements at the beginning of the semester or summer session in which graduate credit is requested.
5. Admission to courses taken for graduate credit must have approval of the course instructor, the director of the undergraduate student services office and the dean of the Graduate College.
6. Not more than 15 semester credit hours taken while a senior may be approved for graduate credit, and a minimum of 15 semester credit hours must be completed in residence at OSU after the student enrolls in the Graduate College. Courses taken for graduate credit during the senior year may not be accepted for graduate credit at institutions other than OSU.
7. Whether such graduate courses will be applicable to a graduate certificate program will be determined by the graduate advisor when the student enrolls in the Graduate College and submits a plan of study for an advanced degree.

Enrollment Procedure

Students are encouraged to review the course offerings for the upcoming semester prior to attempting to enroll. For convenience, OSU provides two options to review course listings.

1. The class schedule for upcoming semesters is available for download as a PDF file from the Office of the Registrar on the Internet (www.okstate.edu/registrar).
2. Available courses for upcoming semesters can be viewed using the SIS web system (<http://osu.okstate.edu/sis>). Select the "Available Courses" icon.

First semester students must first obtain their advisor's clearance through the student information system prior to attempting to enroll.

If the student has not completed a plan of study or if this is the first semester as a graduate student, the student should consult with the graduate faculty advisor. The graduate faculty advisor can provide information about required courses, course sequencing, and other information in order to select appropriate courses. The advisor should

give approval for course selections prior to enrollment.

If a plan of study has been completed, the student should verify that all planned courses are listed on the plan of study. Students should consult with their advisor any time they deviate from courses listed on the plan of study. The ultimate responsibility for completing degree requirements rests with the student.

Students who have active academic, financial or advising holds must clear these holds prior to attempting to enroll. Students can view any holds by logging into the SIS system on the Internet (<http://prodosu.okstate.edu>).

There are three ways graduate students can enroll:

Through the Internet. Graduate students may enroll using the SIS system (<http://prodosu.okstate.edu>). The system gives students access to their academic records.

First semester students must first obtain their advisor's clearance through the computer system prior to attempting to enroll.

Special students may be granted enrollment clearance through the Graduate College or through the special student advisor, a faculty member who is charged with working with all non-degree-seeking students. This designated faculty member is available to assist with selecting course work, issues surrounding the transferability of special student credits, applying to degree-seeking programs, and other academic topics.

Students without a completed plan of study should first meet with their advisors to determine their class schedules for the semester.

Students will need their student ID numbers and PIN numbers to access the student information system. The initial PIN number is set to the student's date of birth. Students may change their PIN through the SIS system.

In Person. Graduate students may enroll in person in Stillwater or in Tulsa.

In Stillwater, students can go to Registration Services located in 321 Student Union. Students will need to have a Trial Study approved and signed by their advisors before they enroll.

In Tulsa, students can go to the Enrollment Services Office located on the first floor of Administration Hall. Students will need to have a Trial Study approved and signed by their advisors before they can enroll.

Through the Graduate Advisor or Department. Students can contact their graduate advisor, graduate coordinator, or academic department to ask for assistance.

Last Day to Enroll

Dates to enroll, when courses begin, and last days to drop are listed in the Class Schedule available on the Office of the Registrar's site (<http://www.okstate.edu/registrar/>).

Generally, the sixth class day of a regular semester or the third class day of the eight week summer session is the last day a course may be added (nonrestrictive) via the SIS enrollment system. A short course may be added no later than the first day of the short course.

Late Enrollment

Graduate students should enroll on time. If they do not, there are limited options to enroll in classes. Different options exist for the student who wishes to enroll in classes after the official enrollment deadline for the semester. The options available to the student depend on the number of weeks past the deadline and the student's current enrollment status.

During the second week of fall/spring or first week of the eight-week summer session:

If a student wishes to add course hours or is not currently enrolled, they must submit a drop/add card or Trial Study signed by their advisor giving permission to enroll.

If the student is adding a course they must have the instructor's signature on the add/drop card or Trial Study.

If a student has Special status, they must have the signature of the dean of the Graduate College and the instructor of the course in which they wish to enroll.

After the second week of fall/spring or first week of the eight-week summer session graduate students may add any course which has not started.

Courses Offered through Outreach

Courses offered through Outreach are considered equivalent to courses offered through traditional formats. Any student wishing to enroll in a graduate credit course offered through outreach must make application for admission to the Graduate College at OSU. Tuition scholarships are not available for Outreach courses.

Correspondence Credit

Oklahoma State University does not offer graduate level courses by correspondence and does not accept credit taken by correspondence toward an advanced degree. Graduate students may enroll in correspondence courses; however, such courses will not be considered as part of minimum degree or certificate requirements. Tuition scholarships are not available for courses taken through correspondence study.

Enrollment Requirements

Students are required to be enrolled in at least two credit hours in each semester in which they are using physical or faculty resources of the University.

International students on F-1 or J-1 visas must maintain full-time status (as defined below) during the first semester of enrollment, and during each fall and spring semester thereafter.

Students must enroll in research, thesis, or dissertation hours, as appropriate, during each semester in which they are involved in research leading to a thesis or dissertation. Irrespective of the maximum credit hours of such courses which may apply to the degree.

Every graduate student is expected to satisfactorily complete no fewer than six credit hours during each 12-month period until the degree is awarded. In particular, students must be enrolled in at least two hours during the semester in which they take their final examination or meet other requirements.

Regardless of the number of hours taken, a student may not count more than 16 credit hours taken in the fall or spring semester toward a degree.

During the summer session, a student may not count toward a degree more than nine credit hours taken in any session during the eight-week summer session. No more than three credit hours taken during the first summer session (intercession) may count toward a degree. Summer intercession is defined as any course that begins after the end of the spring semester and ends prior to the beginning of the eight-week summer session. For any short course session less than eight weeks in length, enrollment shall not exceed one credit hour for each week.

Enrollment Guidelines and Regulations for Graduate Assistants.

Any graduate student holding an assistantship or fellowship of .50 FTE (or greater) must enroll in at least six resident credit hours during the fall and spring semesters and at least three resident credit hours during the summer.

Graduate students employed by the University part-time may enroll only for the amount of credit recommended by the head of the major department. In general, students employed 20 hours per week should enroll for no more than 10 credit hours of course work for a semester and five credit hours during a summer session. Other employment will permit enrollment for an appropriate number of hours. Graduate students whose employment is such that results will be used for a thesis, however, may enroll for additional thesis credit as recommended by the research advisor and approved by the department head.

If a graduate assistant wants to enroll in more credit hours than recommended for percentage of time employed, the student should consider the table below and petition the department head for approval.

Employment—Enrollment

If employed: Petition the department to take:

	Fall/Spring	Summer
100% or full time	more than 6 hours	more than 3 hours
75% or 3/4 time	more than 7 hours	more than 3 hours
60%	more than 8 hours	more than 4 hours
50% or 1/2 time	more than 10 hours	more than 5 hours
30–40%	more than 12 hours	more than 6 hours
25% or 1/4 time	more than 13 hours	more than 7 hours

Full-time or Half-time Status. Full-time or half-time status of graduate students is:

Regular Semester	
Full-time	Half-time
9 or more hrs.	4–8 hrs.
Summer Session	
Full-time	Half-time
4 or more hrs.	2–3 hrs.

The Office of the Registrar considers employment as a teaching or research assistant when determining enrollment status. A student holding less than a 0.50 FTE graduate assistant appointment must be enrolled in a minimum of nine credit hours during the fall or spring semester, or three hours during the summer semester, to qualify for an assistantship.

Enrollment and Financial Assistance. For the purpose of receiving monetary assistance through the Office of Scholarship and Financial Aid, the amount of the award is related to the total number of credit hours in which a student is enrolled toward the degree. Certifiable enrollment status, based upon a combination of enrollment and employment,

only assists with the deferral of loan repayments, never qualification for aid, which is based solely on enrollment.

Although the University considers a graduate student full-time if he or she is enrolled in six credit hours in the fall or spring semester or three credit hours in the summer session with a .50 FTE assistantship, many federal financial aids are based on the total number of hours in which a student is enrolled toward the degree. Some students may be required to enroll in more hours in the fall or spring or summer to receive the full amount of federal financial aid. Students should verify with their financial aid advisor in the OSU Office of Scholarship and Financial Aid the number of hours they are required to take.

Other Enrollment. In order to enroll in a given semester, a student must have received grades for at least six semester credit hours (including "I" and "R" and excluding "W") in the 12 months prior to the beginning of that semester.

Faculty Members. No member of the faculty, with the rank of associate professor or above or equivalent rank at the time of completing the requirements, may be granted a degree from this institution. This regulation applies to faculty members in the schools of engineering holding the rank of assistant professor or above.

Research Involving Human Subjects

If the thesis, dissertation, formal report or creative component involves the use of human subjects, the research project is governed by federal regulations that require review by the OSU Institutional Review Board (IRB). Approval to conduct the research must be obtained from the IRB before the research is started.

An investigator's failure to obtain approval for any research project using human subjects puts the University in non-compliance with its assurance with the federal government, which states all research involving human subjects will receive IRB review and approval.

The Process

When the research plans have been finalized, the IRB application should be completed and submitted as directed to the IRB office in 415 Whitehurst for review. After the conditions for approval have been satisfied, the IRB office will send a letter stating that the research project is authorized to begin. Each research project is governed by

a protocol number, and the approval is for a maximum of one calendar year. If the research extends beyond one year, a request for continuation must be submitted. If any aspect of the approved research protocol changes, approval for the change must be obtained from the IRB by submitting a modification form.

Failure to obtain IRB approval will result in the University's rejection of the thesis, dissertation or formal report. While the Graduate College does not monitor the process resulting in a creative component, this does not negate the student's responsibility to obtain IRB approval if human subjects are involved in that creative activity.

This section is meant to be informational only, and does not contain a complete description of the IRB review process. All of the forms and guidance for completing the application are available on the IRB Internet site (<http://compliance.vpr.okstate.edu/hsp/forms.htm>). The IRB office is located in 415 Whitehurst.

Academic Regulations

Refer also to the sections on "Adding Courses," "Dropping Courses," and "Withdrawing from the University" in this *Catalog*.

Graduate Credit Courses

Courses numbered 5000 and above are primarily for graduate students. Seniors who have obtained prior approval may enroll in graduate level courses in accordance with the provisions of "Enrollment" stated earlier.

Courses numbered 3000 and 4000 that are identified by an asterisk in the "Course Listings" of the *Catalog* can be taken by graduate students and may be used to meet requirements for a graduate degree on the plan of study if approved by the student's advisory committee and the dean of the Graduate College. Graduate students enrolled in these courses will be considered as taking the courses for graduate credit (unless they predeclare the course as taken for undergraduate credit; forms are available in the Graduate College) and will be expected to fulfill appropriate additional academic requirements as proposed by the professor. Courses that are not identified by an asterisk may not be used to fulfill requirements for a graduate degree.

Academic Standing

Minimum Grade Requirements. A grade-point average of "B" (3.00) is required to (1) maintain good standing as a graduate student and (2) meet requirements for a degree. In determining whether a student has met minimum requirements for a degree, grades for courses on the plan of study are averaged separately from courses not on the plan of study. In order to continue enrollment in the Graduate College, a student is expected to maintain a cumulative graduate GPA of at least 3.00. The grade-point averages for research hours and course work hours are figured separately. In order to receive a degree, a student must have a minimum 3.00 GPA in both (1) the course work listed on the plan of study (excluding those used to fulfill the thesis, report or creative component requirements), and (2) in the hours designated as research hours on the plan of study.

No course with a grade below "C" can be used as part of the minimum number of semester credit hours required for the degree.

Some departments have more stringent requirements. The major department should be consulted concerning minimum grade requirements.

Academic Progress. Each semester, the dean of the Graduate College reviews the academic progress of any graduate student who receives a grade of "C" or lower in a class. Departments are notified which of their students have received a "C" or lower and of the dean's academic progress decision. The dean recommends one of four actions based on the student's current semester performance and past academic history.

1. *Departmental Notice.* The department is notified and is encouraged to review the student's performance to determine if any departmental intervention is needed.
2. *Academic Probation.* If a student's overall GPA drops below a 3.00, or if a student makes any grades below "B" two semesters in a row, then they are subject to being placed on academic probation. A student placed on academic probation must earn a minimum grade of "B" in each course during the next semester of full-time enrollment or two semesters of part-time enrollment.
3. *No Further Enrollment Without Departmental Consent (NFEWDC).* If the student was:
 - a. admitted on academic probation and did not meet the requirements of this admission, or
 - b. on academic probation the previous semester, or

- c. if the dean believes the student's overall academic performance warrants departmental intervention, then the student is not permitted to enroll further without the consent of the department. To continue in the program, the student must submit a written petition to the Graduate College requesting reinstatement and outlining a plan to remedy the academic situation. This petition must be accompanied by a letter of support from the department head or graduate coordinator. Failure to submit such a reinstatement petition could result in the canceling of any pre-enrollment for the upcoming semester.

4. *No Further Enrollment (NFE).* The student has consistently performed below the acceptable standards for graduate students. The student is not permitted to continue graduate study at OSU

Grades for Thesis (5000) and Dissertation (6000). The grade of "R," indicating research progress, may be assigned to thesis (5000) and dissertation (6000) courses until the research is finished. Advisers also have the option of assigning a letter grade each semester. By assigning the grade of "R," the advisor acknowledges that the student has made progress on thesis or dissertation research. Upon completion of the thesis or dissertation, the advisor submits a Change of Grade form to have the final grade entered for each "R" grade.

The "R" grade can also be assigned in a course identified as the creative component portion of a master's degree. Each department in which a creative component is an option has identified one class in which "R" may be assigned if more than one semester is required to complete the creative component. Upon completion of the creative component, the advisor submits a Change of Grade form to have the final grade entered.

Pass-No Pass Grading System. Graduate students may take a course utilizing the Pass-No Pass grading system with the consent of their major advisors, but courses taken under this system cannot be used on a plan of study to meet graduate degree requirements.

Grade Appeals. A student may appeal a grade given by an instructor in a case in which he or she believes the grade awarded is inconsistent with the announced grading policy. The student should consult the "*Student Rights and Responsibilities*" or contact the Office of the Provost and Senior Vice President for information regarding initiating the appeals process.

Graduation Clearance Process

At the time of enrollment for the last semester or summer session of work toward a degree, graduate students should complete an Application for Diploma with the Office of the Registrar and submit a Graduation Clearance Form to the Graduate College. The Graduation Clearance Form is completed in conjunction with the academic advisor and confirms that a student has met or will meet by the end of the semester in question, all departmental and Graduate College requirements to earn the degree s/he is seeking. If these requirements are not met, the student must complete a new Graduation Clearance Form and Application for Diploma for a future semester. *In order to allow opportunity for any class schedule changes necessitated by the review of the Graduation Clearance Form, this form and the Application for Diploma, should be submitted before the end of the first two weeks of the regular semester or the first week of a summer session.*

Graduate Commencement and Diplomas

The University holds one Graduate Commencement exercise at the close of the fall semester and one at the close of the spring semester. Students who plan to meet graduation requirements at the close of the summer session are invited and encouraged to participate in the Graduate Commencement at the close of the previous spring semester. Although attendance is not compulsory, the University encourages all candidates for advanced degrees to be present at the Graduate Commencement exercises. Candidates should also notify the Office of the Registrar of the address to which the diploma should be mailed.

Records and Transcripts

All permanent records are stored in the Office of the Registrar. Requests for grades, transcripts and diplomas should be made to that office.

A graduate student who does not complete the requirements in time to receive the degree at the end of the semester may secure a statement from the Office of the Registrar when all requirements for the degree have been satisfied. Such a statement will not be issued until all grades for the semester have been recorded.

Graduate Certificate Programs

Graduate certificate programs offer students the opportunity for focused study of a body of knowledge at the graduate level, leading to the award of an academic credential that can be earned in a relatively short time. Graduate certificate programs can serve both as the core for more advanced study leading to the master's or doctoral degree, and as an opportunity to pursue specialized education that assists the individual in an established career or provides opportunity for career advancement. OSU offers graduate certificate programs in the following areas:

- Engineering Management
- Family Financial Planning
- Gerontology
- Information Assurance
- International Studies
- Negotiation and Alternative Dispute Resolution.

Admission to a Graduate Certificate Program. Any student admitted to the Graduate College may apply for admission to a graduate certificate program. Some certificate programs may have additional requirements, such as official scores on a standardized test, letters of recommendation, etc. Contact the appropriate department for specifics.

Basic Requirements. A graduate certificate requires completion of 12-21 credit hours of course work eligible for graduate credit, of which at least two-thirds must be at the 5000 level or above. Specific certificate programs may have more stringent requirements.

Transfer of Courses. With the approval of the major department and the Graduate College, up to 3 hours of graduate-level credit from another institution may be used toward certificate requirements. The GPA must be at least 3.0 on any transfer credit.

Academic Standing. A grade-point average of "B" (3.0) is required on courses applicable to a graduate certificate. No grade lower than a "C" may be used as part of the minimum requirements for the certificate. Individual certificate programs may have more stringent requirements.

Time Limit. Students are expected to complete the requirements for a graduate certificate within seven years from first enrollment after admission to the certificate program. Any extension of this time limit must be approved by the dean of the Graduate College. Credit for all courses on a graduate certificate plan of study must

have been awarded within ten years of completion of all certificate requirements.

Plan of Study and Certificate Completion Procedures. Upon application for award of a certificate, a student should complete a plan of study listing the courses intended to be used in earning the certificate. This plan must be approved by the department head and the Graduate College prior to the credential being placed on the student's academic record. The Graduate College will prepare a certificate acknowledging completion of the required work and send it to the student, and the Office of the Registrar will place a record certifying completion of the certificate on the student's transcript.

Master's Degree Programs

Abbreviations:

MA	Master of Arts
MAG	Master of Agriculture
MArch	Master of Architecture
MArchE	Master of Architectural Engineering
MBA	Master of Business Administration
MFSA	Master of Forensic Science Administration
MM	Master of Music
MS	Master of Science

Accounting, MS
Agricultural Communications, MS
Agricultural Economics, MS
Agricultural Education, MS
Agriculture, MAG (Agricultural Economics; Agricultural Education; Animal Science; Entomology; Forest Resources; Horticulture; Plant Pathology and Plant and Soil Sciences)
Animal Science, MS
Architectural Engineering, MArchE
Architecture, MArch
Biochemistry and Molecular Biology, MS
Biomedical Sciences, MS
Biosystems Engineering, MS
Botany, MS
Business Administration, MBA
Chemical Engineering, MS
Chemistry, MS
Civil Engineering, MS
Communication Sciences and Disorders, MS
Computer Science, MS
Control Systems Engineering, MS
Counseling, MS
(Community Counseling; School Counseling)
Design, Housing and Merchandising, MS

Economics, MS
Educational Leadership Studies, MS
(College Student Development; Higher Education; School Administration)
Educational Psychology, MS
(Educational Psychology; Educational Research and Evaluation; School Psychometrics)
Electrical Engineering, MS
Engineering and Technology Management, MS
English, MA
Entomology, MS
Environmental Engineering, MS
Environmental Science, MS
Fire and Emergency Management Administration, MS
Food Science, MS
Forensic Science, MS
Forensic Science Administration, MFSA
Forest Resources, MS
Geography, MS
Geology, MS
Health and Human Performance, MS
(Applied Exercise Science; Health Promotions; Physical Education)
History, MA
Horticulture, MS
Hospitality Administration, MS
Human Development and Family Science, MS
Human Environmental Sciences, MS
(Family and Consumer Resources; Family Financial Planning; Nutrition)
Industrial Engineering and Management, MS
International Studies, MS
Leisure Studies, MS
Management Information Systems, MS
Mass Communications, MS
Mathematics, MS
Mechanical Engineering, MS
Microbiology, Cell and Molecular Biology, MS
Natural and Applied Sciences, MS
(Aviation and Space Sciences; Gerontology; Interdisciplinary Sciences; Health Care Administration; Natural Sciences-Photonics)
Nutritional Sciences, MS
Pedagogy and Performance, MM
(Applied Music; Conducting)
Philosophy, MA
Physics, MS
Plant Pathology, MS
Plant and Soil Sciences, MS
Political Science, MA
Psychology, MS
Quantitative Financial Economics, MS
Sociology, MS

Statistics, MS

Teaching, Learning and Leadership, MS
(Curriculum and Leadership Studies; Elementary/Middle/Secondary Education/K-12 Education; Occupational Educational Studies; Reading and Literacy; Special Education; Secondary Education for Teachers Non-traditionally Certified)

Telecommunications Management, MS

Theater, MA

Veterinary Biomedical Sciences, MS

Wildlife and Fisheries Ecology, MS

Zoology, MS

Basic Requirements. The master's degree may be earned by one of three plans:

Plan I—with thesis, 30 credit hours, consisting of 24 hours of course work and six hours of research;

Plan II—with report, 32 credit hours, consisting of 30 hours of course work and two hours of research;

Plan III—with no thesis or report, 32 credit hours of course work including the creative component. The creative component may be a special report, an annotated bibliography, a project in research or design, or other creative activity, as designated by the advisory committee.

The number of credits specified for each plan are minimums set by the Graduate College. Departmental requirements may exceed these minimums.

The major department, with the approval of the dean of the Graduate College, decides which alternatives are open to the candidates. Some departments may require a minimum number of credit hours of upper-division and graduate courses in the major field, including courses taken as an undergraduate.

A student who holds a D.V.M., M.D., D.O., D.D.S., LL.B., J.D., or equivalent professional degree may receive up to nine hours credit toward a master's degree, subject to the recommendation of the advisory committee and the approval of the dean of the Graduate College. However, a student receiving this credit may not transfer additional hours to OSU from other graduate programs.

Residence Requirements. Candidates for a master's degree must complete a minimum of 21 semester credit hours from OSU if they follow Plan I, or 23 semester credit hours if they follow Plan II or III. Nine semester credit hours of the 30 or 32 required for the degree may be completed by graduate courses taken at another accredited college or university.

Courses taken at OSU-Tulsa are con-

Summary of Procedure for Master's Degree

Dean-Dean of Graduate College; GCO-Graduate College Office; DH-Department Head; TA-Temporary Advisor; Advisor-Person designated by department head to advise; Comm-Committee

Procedure	Initiate through	Time
	Approved by	
1. Apply for admission. (Follow instruction sheet carefully. If relevant, see "Requirements for Admission to Professional Education" under "College of Education.")	GCO Dean	Complete 30 days prior to enrollment or departmental deadline. (International students see section on International Admission for deadlines.)
2. Read "General Regulations" and Advisor "Master's Degree" sections, then secure registration materials in the Graduate College.	Advisor	
3. Secure assignment of a temporary advisor from major department head and enroll for the first semester.	DH & TA	
4. Plan program with advice of department head or designated Graduate Faculty member and submit plan of study.	Advisor Dean	Prior to completing the 17th credit hour.
5. Proceed with course work and research assignment.	Advisor	
6. Take comprehensive written examinations if required by major department.	Advisor	See department for dates.
7. Complete the Diploma Application, make any corrections needed on plan of study, and complete the Graduation Clearance Form.	Ch GCO	Within the first two weeks of the semester or session in which the degree is to be conferred. (Application is good for stated degree date only. File new diploma application if conferring of degree is delayed.)
8. Complete research, prepare final draft copy of thesis or report and submit it at least one week prior to the final examination, along with a copy of the abstract, to each member of the examining committee and to the Graduate College. The <i>Graduate College Thesis Handbook</i> is available for download from Graduate College Internet site (http://gradcollege.okstate.edu/student/thesis.htm) and lists specific requirements for formatting the document. The advisor must sign the copy submitted to the Graduate College.	Advisor Dean	Deadlines published yearly.

Initiate through		
Procedure	Approved by	Time
9. Take final examination or defense. The committee chair should notify Graduate College of the examination results by submitting the Result of Final Examination form immediately following conclusion of the examination.	Advisor Dean	Deadlines published yearly.
10. Make any changes in thesis or report as required by examining committee and by the Graduate College. Advisory committee members sign final copies of thesis or report. The Graduate College makes the final decision on acceptance of the thesis or report. See the <i>Thesis/Dissertation Handbook</i> for submission options (paper or electronic).	Advisor Dean	Deadlines published yearly.
11. Pay thesis submission fee in the Office of the Bursar and return form to the Graduate College.	GCO	Form to be obtained from the Graduate College after the thesis has been formally accepted by that office.
12. Arrange for cap, gown and hood at Student Union Bookstore and attend Graduate Commencement.		

sidered resident credit. Courses taken from the other cooperating universities in Tulsa are considered to be transfer credit. Up to 15 graduate credit hours may be transferred from OU in Tulsa to an OSU master's plan of study.

Advisement. The student should go to the department head, who authorizes the assignment of an advisor or advisory committee to assist the student in planning and pursuing the entire program for a degree. The advisory committee must include a minimum of three members of the Graduate Faculty.

Level of Courses Applied to Graduate Degree. Graduate students must complete no fewer than 21 semester credit hours of 5000- and 6000-level courses through Oklahoma State University as presented on the plan of study to meet requirements for the master's degree.

Plan of Study. The plan of study for the degree must be submitted to the Graduate College *prior to completion of the 17th graduate credit hour* of enrollment for a master's program. The student should secure the plan of study form from the Graduate College, (also available from the Graduate College Internet site <http://gradcollege.okstate.edu>), develop the plan with the advisor, have it approved by the advisory committee and submit it to the Graduate College for final approval.

The plan of study is subject to modification. All changes must have the approval of the advisor and a final plan of study incorporating all changes should be filed in the Graduate College by the end of the second week of the semester in which the degree is to be conferred.

Graduate credit, up to a maximum of nine hours, used to obtain one master's degree may, with the approval of the advisory committee, be counted toward completion of another master's degree.

Major Subject or Field. A major field of study may cross departmental or school lines subject to the decision of the major department or school.

To receive a master's degree, the student must have completed in the major department or field a minimum of 16 semester credit hours above the prerequisites required for graduate work in that subject or field.

Minor Subject or Field. A minor may vary from six to 15 graduate credit hours, drawn from courses in at most two departments. After completing the courses required for the minor, the department head(s) or program chair(s) of each minor subject area should submit a memorandum to the Graduate College certifying the completion of the minor requirements and listing the courses

completed. A notation of the minor will be added to the student's transcript after the conferral of a degree.

Language Requirements. A candidate for a master's degree may be required to demonstrate a reading knowledge of a modern foreign language. Any such requirement of the department is included on the plan of study and is noted at the time the preliminary plan is approved by the student's advisor.

A foreign language requirement for a master's degree may be met either by examination or by college credit, according to individual department requirement.

Written Examinations. Some departments require a written examination covering the major and minor fields. It is usually taken before the thesis or report has been completed. Arrangements for taking the examination should be made with the department at least three weeks in advance. The written examination must be passed before a final examination is scheduled, if a thesis or report option is used.

A student who fails all or part of the written examination should consult the chair of the examination committee to find out what must be done before taking another examination.

Thesis or Report. Any student working on a thesis or report should obtain a copy of the *Graduate College Thesis/Dissertation Handbook* available from the Graduate College or the Internet (<http://gradcollege.okstate.edu/student/thesis.htm>). A thesis or report must conform to the format specifications set forth in this manual. The style of the document is to be determined by the advisory committee and should be reflective of publications in the student's discipline.

After completing the research, the student prepares a paper draft copy of the proposed thesis or report, and submits it, along with the abstract, to each member of the examining committee, and to the Graduate College. The draft copy must be signed by the advisor and be submitted to the Graduate College no later than the stated deadline (see "Graduate College Calendar").

The student should submit the final copy using one of two options:

Option A (preferred). Submission of an electronic copy through the OSU electronic submission web site. Directions for the web site submission are given to the student when he or she picks up the reviewed draft copy. In addition, the student must submit to the Graduate College (a) one paper copy of the approval page with all original signatures and the student's name and

Summary of Procedure for Doctoral Degree

Dean-Dean of Graduate College; DH-Department Head; TA-Temporary Advisor; Comm-Committee; Ch-Chair of Committee; GCO- Graduate College Office

Procedure	Initiate through Approved by	Time
1. Apply for admission. (Follow instruction sheet carefully.)	GCO Dean	Complete 30 days prior to enrollment or departmental deadline. (International students see section on International Admission for deadlines.)
2. Secure assignment of a temporary advisor from major department head and enroll.	DH & TA Dean	
3. Appoint advisory committee	DH Dean	
4. Prepare plan of study with assistance of committee. Submit one original approved copy to Graduate College.	Comm Dean	Prior to completion of the 28th credit hour.
5. Fulfill foreign language requirement or attain other required proficiencies.		Prior to qualifying examination.
6. Complete major portion of course work and plan dissertation program with committee.	Ch Dean	As early in the research stage as possible
7. Apply for and take qualifying examination.	Ch	As determined by the department and not less than six month prior to the end of the semester in which the degree will be conferred.
8. Submit results of qualifying examination and/or application for admission to candidacy	Comm Dean	Not less than six months prior to end of semester in which degree will be conferred.
9. Verify accuracy of plan of study in Graduate College and revise if necessary. Secure committee approval for any necessary changes. Check on time limit for the degree.	Comm Dean	Within the first two weeks of the semester or summer session in which degree is to be conferred.
10. Complete the Diploma Application and Graduation Clearance Form.	Ch GCO	Within the first two weeks of the semester or session in which the degree is to be conferred. (Application is good for stated time only. File new diploma application if conferring of degree is delayed.)

Procedure	Initiate through Approved by	Time
11. Complete research, prepare final draft copy of dissertation and submit it at least one week prior to the examination, along with a copy of the abstract, to each member of the committee and to the Graduate College. The format must follow recommendations in the <i>Thesis/Dissertation Manual</i> ; however, the style is to be determined by the advisory committee. The advisor must sign the paper copy submitted to the Graduate College.	Comm Dean	Deadlines published yearly.
12. Schedule dissertation defense. The Committee chair should notify the Graduate College of the results by submitting the Result of Final Examination form immediately following conclusion of the examination.	Ch Dean	
13. Make any changes in dissertation required by examining committee and by the Graduate College. Advisory committee members sign final copies of dissertation. The Graduate College makes the final decision on acceptance of the dissertation. See the <i>Thesis/Dissertation Handbook</i> for submission option (paper or electronic).	Ch Comm Dean	Deadlines published yearly.
14. Pay dissertation submission fee in the Office of the Bursar; complete survey of Earned Doctorate		Form to be obtained from the Graduate College after dissertation has been formally accepted by that office.
15. Rent or buy cap, gown, and hood at Student Union Bookstore and attend Graduate Commencement.		

nine digit SID number entered at the top of the page; and (b) two signed abstracts on OSU thesis bond paper. Copies must be received no later than the stated final copy submission deadline date (see the Calendar at the front of the "Graduate College" section for dates). The student should then pay the submission fee at the Office of the Bursar.

Option B. Submission of four paper copies and six signed copies of the abstract on OSU thesis bond paper no later than the stated submission paper copy deadline date (see the Calendar at the front of the "Graduate College" section for dates). The student should then pay the submission fee at the Office of the Bursar.

Report. The student must submit to the Graduate College one final copy of a report with six copies of the abstract. It must be bound in a pressboard cover as described in the *Graduate College Thesis/Dissertation Handbook*; electronic submission is not an option. The copy of the report must be submitted to the Graduate College no later than the stated deadline (see "Graduate College Calendar").

Final Examination. If the thesis or report option is used, the student should arrange with the major department for the final examination after the draft copy of the thesis or report has been filed in the Graduate College and distributed as described in the preceding section. The final examination may be oral or written or both.

The final examination is primarily a defense of the thesis or report. If the defense is judged inadequate, a decision on whether to permit re-examination will be made by the advisory committee. Examinations are open to all members of the Graduate Faculty, and may be attended by anyone else who obtains the permission of the committee.

The committee will notify the Graduate College immediately of results of the final examination. Following satisfactory completion of the final examination, the candidate will make changes in the thesis or report as required by the committee and by the Graduate College, and submit it in final form signed by the committee to the Graduate College by the semester deadline.

A student who fails to pass either a written or oral final examination should consult the chair of the examining committee. Another examination cannot be given for two months after a failure, and a department may limit the number of times that the examination may be repeated.

Time Limit. Students are expected to complete the requirements for the master's degree within seven years from first enrollment after admission to the master's degree program. After that time a student must submit a written petition to the Graduate College requesting an extension of time to degree completion. Credit for all courses on a graduate plan of study must have been awarded within 10 years of completion of all degree requirements.

Any exception to these time limits must be approved by the dean of Graduate College.

Special Requirements for Selected Master's Degrees. Requirements for the Master of Agriculture, Master of Architecture, Master of Architectural Engineering and Master of Business Administration are described in detail elsewhere in the *Catalog*. Each degree has requirements that are program specific and exceed the minimal requirements specified by the Graduate College.

Doctor of Philosophy Degree Programs (Ph.D.)

Agricultural Economics
 Agricultural Education
 Animal Breeding and Reproduction
 Animal Nutrition
 Biochemistry and Molecular Biology
 Biomedical Sciences
 Biosystems and Agricultural Engineering
 Business Administration (Accounting; Finance; Management; Management Science and Information Systems; Marketing)
 Chemical Engineering
 Chemistry
 Civil Engineering
 Computer Science
 Crop Science
 Economics
 Education (Curriculum and Social Foundations; Occupational Education Studies; Professional Education Studies)
 Educational Psychology (Counseling Psychology; Educational Psychology; Research and Evaluation; School Psychology)
 Electrical Engineering
 English
 Entomology
 Environmental Science
 Food Science
 Geography
 Health, Leisure and Human Performance

(Health and Human Performance; Leisure Studies)
 History
 Human Environmental Sciences (Design, Housing and Merchandising; Human Development and Family Science; Hospitality Administration; Nutritional Sciences)
 Industrial Engineering and Management
 Mathematics
 Mechanical Engineering
 Microbiology, Cell and Molecular Biology
 Photonics
 Physics
 Plant Pathology
 Plant Science
 Psychology (Clinical; Experimental)
 Sociology
 Soil Science
 Statistics
 Veterinary Biomedical Sciences
 Wildlife and Fisheries Ecology
 Zoology

The Doctor of Philosophy degree is granted in recognition of high achievement in scholarship and independent investigation. The candidate must prove his or her acceptability by (1) successfully completing a series of courses comprising a plan of study; (2) passing various examinations demonstrating academic competence; (3) carrying out a research program under supervision and preparing an acceptable dissertation; and (4) demonstrating initiative, creative intelligence, and ability to plan and carry out research in his or her chosen field.

Basic Requirements. The Doctor of Philosophy degree requires a minimum of 90 credit hours beyond the bachelor's degree, or a minimum of 60 credit hours beyond the master's degree in a related discipline. This includes a minimum of 15 and a maximum of 60 credits for the dissertation (6000). Students may use 90 hours beyond the bachelor's degree as a degree total only if admitted directly into the doctoral program from the bachelor's degree.

A student who holds a D.V.M., M.D., D.O., D.D.S., LL.B., J.D., or equivalent professional degree may also have the minimum credit hour requirement reduced to 60 hours, subject to the recommendation of their advisory committee and the approval of the dean of the Graduate College. A student may only receive one 30-hour credit reduction in the Ph.D. requirements regardless of the number of master's or professional degrees that he or she holds.

Temporary Advisor. At the beginning of a student's doctoral program, the head of the major department will designate a member of the Graduate Faculty to serve as temporary advisor to the student. The temporary advisor will assist the student in the early selection of courses. Often, it is the graduate coordinator who serves as the temporary advisor.

Advisory Committee. Upon recommendation of the head of the major department, an advisory committee of not fewer than four voting members will be appointed. The duties of the advisory committee consist of (1) advising the student, (2) assisting the student in preparing a plan of study, (3) preparing and administering the qualifying examination, (4) assisting in planning and conducting the research, (5) supervising the writing of the dissertation, and (6) conducting the dissertation defense.

The major advisor of the advisory committee must be a member of the Graduate Faculty who has been granted the privilege of chairing doctoral committees. Each doctoral committee must have at least one member of the Graduate Faculty from outside the student's major department.

The student should consult the members of the advisory committee frequently and keep them informed on the progress of his or her work.

Preliminary Conference. As soon as the student is notified that an advisory committee has been appointed, the student should arrange with the chairperson for a conference with the committee. During the conference, the preparation and qualifications of the student for graduate work will be discussed and appropriate plans made for future study.

Plan of Study. After the preliminary conference, the student should complete the plan of study for the degree, have it approved by the advisory committee, and submit the original form to the Graduate College.

Because the acceptance of work which the student desires to use toward the degree rests with the advisory committee, it is important to plan a complete program and have it approved by the dean of the Graduate College as soon as possible. Forms for preparing the plan of study may be obtained on the Graduate College Internet site (<http://gradcollege.okstate.edu>).

The plan of study must be submitted to the Graduate College prior to completion of the 28th credit hour of enrollment in the doctoral program.

The plan must include all the acceptable graduate work that has been completed and all that will be taken for the

doctoral degree. The plan should include (1) at least 75 percent of courses taken at the 5000-6000 level, (2) a minimum of 60 hours beyond the master's degree, and (3) at least 15 hours and no more than 60 hours of dissertation credit. Courses used to earn a master's degree are not listed on the doctoral plan of study.

Credit for all courses on a graduate plan of study must have been awarded within 10 years of completion of all degree requirements.

Changes in the plan of study can be made with the approval of the advisory committee and the dean of the Graduate College. A final, accurate and approved plan must be filed before the end of the second week of the semester in which the degree is to be conferred.

Minor Subject or Field. A minor may vary from six to 15 graduate credit hours, drawn from courses in at most two departments. After completing the courses required for the minor, the department head(s) or program chair(s) of each minor subject area should submit a memorandum to the Graduate College certifying the completion of the minor requirements and listing the courses completed. A notation of the minor will be added to the student's transcript after the conferral of a degree.

Character of Work. The satisfactory completion of course work (see "General Regulations") is only one requirement for receiving the degree. The student must also: (1) pass a qualifying examination, (2) prepare an acceptable dissertation, (3) demonstrate the ability to do independent study, (4) pass a defense of dissertation, and (5) comply with any other requirements of the major department.

Residence Requirements. A minimum of 30 credit hours must be taken at Oklahoma State University. While the Graduate College does not have a specific residence requirement that applies to all graduate programs, departments may require a period of time in residence for students enrolled in departmental graduate programs. Departments must inform students of any residence requirements upon their admission to departmental graduate programs.

Courses taken at OSU-Tulsa are considered resident credit. Courses taken from the other cooperating universities in Tulsa are considered to be transfer credit. Up to 15 graduate credit hours may be transferred from OU in Tulsa to an OSU doctoral plan of study.

Language Requirement. Foreign language or other proficiency requirements may be specified to meet the need for

specific skills and areas of knowledge that facilitate research and contribute to wider understanding. Specific requirements are determined by departments or programs. In many fields, a reading knowledge of one or two modern foreign languages is an important part of scholarship and necessary for research. In other fields, proficiency in special and related disciplines may be required that will contribute to the needs of the individual program.

Qualifying Examination. The qualifying examination is comprehensive, covering the entire area of the student's graduate study. The examination may be written, oral or both. The examination must be passed at least six months before the degree is granted (see "Admission to Candidacy"). The results of the examination are reported to the Graduate College on the Admission to Candidacy form.

In order to take the qualifying examination, the student must have an approved plan of study on file in the Graduate College, and have the approval of the advisory committee.

In case of failure to pass any part of this examination, the student will be notified in writing of the conditions under which another examination can be taken. A second examination may not be given earlier than four months after a failure.

If the results of the second examination are unsatisfactory, no other examination may be given without the approval of the Graduate Council.

Admission to Candidacy. A student must be admitted to candidacy at least six months before the commencement in which the Doctor of Philosophy degree will be conferred.

Before being admitted to candidacy, the student must have (1) an approved plan of study on file in the Graduate College; (2) a dissertation proposal or outline approved by the student's advisory committee; and (3) passed the qualifying examination.

Dissertation. A dissertation (doctoral thesis) is required of each doctoral candidate. The subject of the dissertation must be approved by the advisory committee and the dissertation is prepared under the direction of members of the committee or a special dissertation committee approved by the advisory committee chair.

The dissertation must follow specifications in the *Graduate College Thesis/Dissertation Handbook*, available from the Graduate College on the Internet (<http://gradcollege.okstate.edu>). All dissertation copies must have the necessary approval signatures before sub-

mission to the Graduate College.

After completing the research, the student prepares a draft copy (complete and legible) of the proposed dissertation and submits a copy, along with the abstract, to each member of the committee and to the Graduate College. The copy being submitted to the Graduate College must be approved by the student's dissertation advisor. The final paper draft copy must be submitted to the Graduate College no later than the stated deadline date (see "Graduate College Calendar").

The student should submit the final copy using one of two options:

Option A (preferred). Submission of an electronic copy through the OSU electronic submission web site. Directions for the web site submission are given to the student when he or she picks up the reviewed draft copy. In addition, the student must submit to the Graduate College (a) one paper copy of the approval page with all original signatures and the student's name and SID number entered at the top of the page; and (b) two signed abstracts on OSU thesis bond paper. Copies must be received no later than the stated final copy submission deadline date (see the Calendar at the front of the "Graduate College" section for dates). The student should then pay the submission fee at the Office of the Bursar.

Option B. Submission of four paper copies and six signed copies of the abstract on OSU thesis bond paper no later than the stated submission paper copy deadline date (see the Calendar at the front of the "Graduate College" section for dates). The student should then pay the submission fee at the Office of the Bursar.

All dissertations are microfilmed by University Microfilms, Inc. The student is required to pay a fee for microfilming the complete document and for publication of an abstract of about 350 words. The student must complete a University Microfilms Agreement Form after the dissertation has been accepted by the Graduate College. Copyrighting the dissertation is not required, but can be done at a small additional cost. OSU participates in the National Survey of Earned Doctorates. All students must complete and submit the survey.

Final Examination. The final examination is primarily a defense of the dissertation. The examination is open to all members of the Graduate Faculty and may be attended by anyone else who obtains the permission of the committee. If the defense is judged inadequate, a re-examination decision will be made by the advisory committee.

The committee will notify the Graduate College immediately of results of the final examination by submitting the Result of Final Examination form. Following satisfactory completion of the final examination, the candidate will make any changes required by the committee and by the Graduate College and submit the dissertation in final form signed by the committee to the Graduate College.

Time Limit. Students are expected to complete the requirements of the Ph.D. degree within nine years from their first enrollment in the degree program. After that time a student must submit a written petition to the Graduate College requesting an extension of time to degree completion. Credit for all courses on the graduate plan of study must have been awarded within 10 years of completion of all degree requirements.

Any exception to these time limits must be approved by the dean of the Graduate College.

Doctor of Education Degree Programs (Ed.D.)

Applied Educational Studies
(Applied Behavioral Studies; Aviation and Space Education; College Interdisciplinary)
Higher Education
School Administration

The degree of Doctor of Education is a professional degree conferred in recognition of outstanding ability as an educator in some special field or fields as shown by: (1) satisfactory completion of a program of study; (2) passing examinations showing an understanding of the field of specialization and its relation to allied subjects; (3) the preparation of a dissertation demonstrating ability to approach problems with a high degree of originality and independence; and (4) passing an examination covering the dissertation and related fields.

Basic Requirements. The Doctor of Education degree requires a minimum of 90 semester credit hours beyond the bachelor's degree, or a minimum of 60 semester credit hours beyond the master's degree in a related discipline. Courses at the 5000 and 6000 level should make up at least 75 percent of the plan of study and must include 10 hours for the doctoral dissertation. Students may use 90 hours beyond the bachelor's degree as a degree total only if admitted directly into the doctoral program from the bachelor's degree.

A student who holds a D.V.M., M.D.,

D.O., D.D.S., LL.B., J.D., or equivalent professional degree may also have the minimum credit hour requirement reduced to 60 hours, subject to the recommendation of their advisory committee and the approval of the dean of the Graduate College. A student may receive only one 30-hour credit reduction in the Ed.D. requirement regardless of the number of master's or professional degrees that he or she holds.

Temporary Advisor. At the beginning of a student's doctoral program, the school head will designate a member of the Graduate Faculty to serve as temporary advisor to the student. The temporary advisor will guide the student in the selection of courses for the first semester.

Advisory Committee. Upon recommendation of the head of the major department, an advisory committee of no fewer than four voting members will be appointed. The duties of the advisory committee consist of (1) advising the student, (2) assisting the student in preparing a plan of study, (3) preparing and administering the qualifying examination, (4) assisting in planning and conducting the research, (5) supervising the writing of and passing upon the dissertation, and (6) conducting the dissertation defense.

The major advisor of the advisory committee must be a member of the Graduate Faculty who has been granted the privilege of chairing doctoral committees. Each doctoral committee must have at least one member of the Graduate Faculty from outside the student's major department.

The student should consult the members of the advisory committee frequently and keep them informed on the progress of his or her work.

Preliminary Conference. As soon as the student is notified that an advisory committee has been appointed, the student should arrange with the chair for a conference with the committee. During the conference, the preparation and qualifications of the student for graduate work will be discussed and appropriate plans made for future study.

Plan of Study. After the preliminary conference, the student should complete the plan of study for the degree, have it approved by the advisory committee and submit the original form to the Graduate College.

Because the acceptance of work that the student desires to use toward the degree rests with the advisory committee, it is important to plan a complete program and have it approved by the dean of the Graduate College as soon as possible. Forms for preparing the plan of

study may be obtained on the Graduate College Internet site (<http://gradcollege.okstate.edu>).

The plan of study must be submitted to the Graduate College prior to completion of the 28th credit hour of enrollment in the doctoral program.

The plan must include all the acceptable graduate work that has been completed and all that will be taken for the degree. The plan should include (1) at least 75 percent of courses taken at the 5000-6000 level, (2) a minimum of 60 hours beyond the master's degree or 30 hours beyond the Ed.S. and (3) at least 10 hours of dissertation credit. Courses from a master's degree or Ed.S. are not listed on the doctoral plan of study.

Credit for all courses on a graduate plan of study must have been awarded within 10 years of completion of all degree requirements.

Changes in the plan of study can be made with the approval of the advisory committee and the dean of the Graduate College. A final, accurate and approved plan must be filed before the end of the second week of the semester in which the degree is to be conferred.

Minor Subject or Field. A minor may vary from six to 15 graduate credit hours, drawn from courses in at most two departments. After completing the courses required for the minor, the department head(s) or program chair(s) of each minor subject area should submit a memorandum to the Graduate College certifying the completion of the minor requirements and listing the courses completed. A notation of the minor will be added to the student's transcript after the conferral of a degree.

Character of Work. The satisfactory completion of course work (see "General Regulations") is only one requirement for receiving the degree. The student must also: (1) pass a qualifying examination, (2) prepare an acceptable dissertation, (3) demonstrate the ability to do independent study, (4) pass a defense of dissertation and (5) comply with any other requirements of the major department.

Residence Requirements. A minimum of 30 credit hours must be taken at Oklahoma State University. While the Graduate College does not have a specific residence requirement that applies to all graduate programs, departments may require a period of time in residence for students enrolled in departmental graduate programs. Departments must inform students of any residence requirements upon their admission to departmental graduate programs.

Courses taken at OSU-Tulsa are considered resident credit. Courses taken from the other three cooperating universities in Tulsa are considered to be transfer credit. Up to 15 graduate credit hours may be transferred from OU in Tulsa to an OSU doctoral plan of study.

Language and Research Instruments Proficiency. All candidates will be expected to have a command of those instruments necessary in the study of educational problems. The doctoral advisory committee of each candidate may require evidence of proficiency in one or more foreign languages, educational research, statistics and computer usage.

Qualifying Examination. Before taking the qualifying examination, the student must have (1) completed the main areas of an approved plan of study; (2) completed an outline or proposal for the dissertation approved by the advisory committee; and (3) received approval from the advisory committee to sit for the examination.

The qualifying examination is designed to measure the student's proficiency in the field of specialization, the breadth and depth of his or her professional education background and knowledge of cognate subjects. The examination may be both written and oral but part of it must be written. This examination must be passed and the result reported to the Graduate College on the admission to doctoral candidacy form at least six months before the degree is granted (see "Admission to Doctoral Candidacy" in the "Doctor of Philosophy" section).

In case of failure to pass this examination, the student will be notified by the examining committee of the condition under which another examination may be taken. A student who fails on either the qualifying or final examination cannot take another examination for four months. If the result of the second examination is unsatisfactory, no other examination may be given without the approval of the Graduate Council.

Dissertation. A dissertation is required of each candidate for the Doctor of Education degree. The dissertation has three principal functions: (1) training in research, (2) promoting professional growth, and (3) contributing to professional knowledge in education. Not every dissertation will be expected to serve these three functions in the same way or to the same extent.

The format specifications, procedures and regulations for the dissertation are the same as for the Ph.D. The Ed.D. candidate should refer to the "Doctor of Philosophy" section on dissertations and submission procedures through the Graduate College.

Time Limit. Students are expected to complete the requirements for the Doctor of Education degree within nine years after beginning course work in the degree program. After that time a student must submit a written petition to the Graduate College requesting an extension of time to degree completion. Credit for all courses on a graduate plan of study must have been awarded within 10 years of completion of all degree requirements.

Any exception to these time limits must be approved by the dean of the Graduate College.

Specialist in Education Degree Program (Ed.S.)

Education
(Educational Administration; School Psychology)

The Specialist in Education degree is conferred as an appropriate recognition of achievement as evidenced by:

1. Successful professional performance in the area of the student's specialization.
2. Satisfactory completion of a program of graduate study of approximately two academic years.
3. Satisfactory performance on examinations designed to reveal the student's understanding of the field of specialization and its relation to other areas.
4. Preparation of a thesis dealing with some aspect of concern to the student's profession and its defense before a committee of the Graduate Faculty.

Admission. The student can secure application forms from the Graduate College available on the Graduate College Internet site (<http://gradcollege.okstate.edu>) along with information concerning areas and programs of study offered. The application will be evaluated by the faculty of the appropriate school and by the Graduate College.

Admission to a Program. A student planning to seek the Specialist in Education degree must provide specific information as requested by the College of Education (i.e., vita, letters of recommendation, protocols of scholarly work and test scores). Test scores required are the Miller Analogies Test and/or the Graduate Record Examination. A student should contact the appropriate school head to determine which tests are required for admission.

A graduate review committee for Specialist in Education programs will review the student's application and recommend to the dean of the Graduate College whether or not the student should be admitted to the program. The dean of the Graduate College will inform the student of the admission decision.

Temporary Advisor. At the beginning of a student's Specialist in Education program, the school head will designate a member of the Graduate Faculty to serve as temporary advisor to the student. The temporary advisor will guide the student in the selection of courses for the first semester.

Advisory Committee. Upon recommendation of the school head or the graduate committee of the school, an advisory committee of no fewer than three voting members, will be appointed by the dean of the Graduate College. At least one member of the advisory committee must be from a school or department outside the student's major field of study. This committee (1) conducts the preliminary examination and conference, (2) approves the proposed plan of study, (3) supervises the student's progress in the program, (4) supervises the research, and (5) arranges for and conducts the final examination.

Plan of Study. The plan of study for the degree must be submitted to the Graduate College prior to completion of the 17th graduate credit hour of enrollment for a specialist in education program. The student should obtain the plan of study forms from the Graduate College, (also available from the Graduate College Internet site (<http://gradcollege.okstate.edu>), develop the plan with the advisor and submit it to the Graduate College.

The plan of study may be modified with the approval of the advisor. A final plan of study incorporating all changes should be filed in the Graduate College by the end of the second week of the semester in which the degree is to be conferred.

Credit-hour Requirements. A minimum of 60 credit hours beyond the bachelor's degree or 33 credit hours beyond the master's degree are required for the Specialist in Education degree. This may include as many as 10 credit hours for the practicum study and accompanying report.

Character of Work. The satisfactory completion of course work (see "General Regulations") is only one requirement for receiving the degree. The student must also: (1) pass a qualifying examination, (2) conduct an appropriate study of education, (3) show qualities of professional leadership and (4) pass a final examination.

Residence Requirements. While the Graduate College does not have a specific residence requirement that applies to all graduate programs, departments may require a period of time in residence for students enrolled in departmental graduate programs. Departments must inform students of any residence requirements upon their admission to departmental graduate programs. No more than nine hours may be transferred from another university.

Courses taken at OSU-Tulsa are considered resident credit. Courses taken from the other cooperating universities at Tulsa are considered to be transfer credit. Up to 15 graduate credit hours may be transferred from OU-Tulsa to an OSU Ed.S. plan of study.

Qualifying Examination. A qualifying examination is required of all candidates for the Specialist in Education degree. The nature of this exam is determined within each specialization.

Time Limit. Students must complete all requirements for the Specialist in Education degree within seven years after beginning course work in the degree program. After that time a student must submit a written petition to the Graduate College requesting an extension of time to degree completion. Credit for all courses on a graduate plan of study must have been awarded within 10 years of completion of all degree requirements.

Any exception to these time limits must be approved by the dean of the Graduate College.

Credit Toward an Ed.D. or a Ph.D. A student holding an Ed.S. may have the credit hour requirements for a Ph.D. or Ed.D. reduced to 30 hours subject to recommendation by the advisory committee and approval of the dean of the Graduate College. However, all of the remaining 30 hours toward the doctoral degree must be taken at the 5000 or 6000 level and all must be taken at OSU.