

The OU Health Sciences Center Graduate College Bulletin is a PDF document with embedded bookmarks. Simply click on the main heading or section number on the Table of Contents or Index.

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Graduate College Bulletin

The University of Oklahoma
Health Sciences Center

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UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER
September 2016

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1 - UNIVERSITY ADMINISTRATION

Oklahoma Regents for Higher Education

<http://www.okhighered.org/state-system/state-regents.shtml>

University of Oklahoma Board of Regents

<http://www.ou.edu/regents/>

University of Oklahoma Executive Officers

http://www.ou.edu/web/resources_offices/content/administrative_offices/organization

OUHSC Administrative Structure

http://directory.ouhsc.edu/Contacts/adminstructure_OUHSC.aspx

Health Sciences Center Deans

- H. Anne Pereira, PhD, Graduate College
- Jane Wilson, PhD, College of Allied Health
- Raymond A. Cohlmiya, DDS, College of Dentistry
- John P. Zubialde, MD, Executive Dean, College of Medicine
- Julie A. Hoff, PhD, MPH, RN College of Nursing
- JoLaine Reiersen Draugalis, PhD, College of Pharmacy
- Gary Raskob, PhD, College of Public Health

Norman Academic Officers and Deans

http://www.ou.edu/web/resources_offices/content/administrative_offices/organization

Tulsa Academic Officers and Deans

- John H. Schumann, MD, President, OU-Tulsa
- James M. Herman, MD, MSPH, Dean, School of Community Medicine, Tulsa Campus
- James J. Sluss Jr., PhD, Dean, Graduate College, OU Tulsa

1.1 - The University of Oklahoma

In 1890, 17 years before Oklahoma became a state, the University of Oklahoma (OU) was founded in Norman. Today, OU is a major research university that serves the educational, cultural and economic needs of the state, region, and nation.

OU is a gathering place for students and scholars from across the nation and around the globe. Nationally known academic programs and internationally recognized faculty attract outstanding students. The relatively low cost of attending the university adds to OU's international appeal. OU provides scholars outstanding research facilities and unique resources, while offering a diverse community with professors from various ethnic backgrounds and opportunities for students to participate in numerous cultural organizations.

1.2 - The OU Health Sciences Center

The [University of Oklahoma Health Sciences Center](#) is the state's only comprehensive health center for training physicians, dentists, nurses, pharmacists, public health specialists, biomedical scientists, and allied health personnel. The campus has approximately 4,000 students enrolled in more than 60 graduate, professional, and undergraduate degree programs. Faculty and students use the clinical, laboratory and teaching facilities of the Biomedical Research Park, OU Medical Center, Veterans Affairs Medical Center, Children's Hospital, I, Dean A. McGee Eye Institute, Oklahoma State Department of Health, Oklahoma Medical Research Foundation, affiliated hospitals in Oklahoma City, the major teaching hospitals in Tulsa, the Veterans Affairs Hospital in Muskogee, and various affiliated hospitals and clinics in other locations in Oklahoma. The OU Health Sciences Center is the educational core of a group of 26 public and private health care institutions and agencies that comprise the Oklahoma Health Center.

The OU Health Sciences Center campus, located in Oklahoma City, is composed of seven colleges. They are:

- [Graduate College](#)
- [College of Allied Health](#)
- [College of Dentistry](#)
- [College of Medicine](#)
- [College of Nursing](#)
- [College of Pharmacy](#)
- [College of Public Health](#)

We invite you to visit the university or contact us for further information about the wide variety of educational programs the OUHSC offers. For

more information, visit the university's website at <http://www.OUHSC.edu>. To arrange a visit to the campus, write or call:

Office of Student Affairs

David L. Boren Student Union

1106 N. Stonewall Avenue Room, Suite 300
Oklahoma City, OK 73117
(405) 271-3606

E-mail: student-services@OUHSC.edu

1.3 - Office of Student Affairs

[OUHSC Student Affairs](#) is dedicated to the support and enhancement of the academic mission of the university. The office provides programming and services to both current and prospective students. Programming is structured to complement the student's academic experience, celebrate the rich diversity of the campus, provide opportunities to develop leadership skills and participate in community service, and offer an entertaining and safe social atmosphere. Services are offered to ensure physical, emotional, and mental health of all students and provide guidance toward a career as a health care professional.

OUHSC Student Affairs assists the campus community in development of student life by overseeing the planning and implementation of effective programming to enhance the Health Sciences Center campus community such as the Writing Center, legal counseling, campus housing, and oversight of the student health insurance program.

OUHSC Student Affairs offers Counseling Services at the Health Sciences Center. Counseling Services provides individual counseling, couple and group counseling, psychological assessment and individual and couples psychotherapy free of charge to OUHSC students. To make an appointment, call (405) 271-7336, Monday through Friday 8:00 a.m. to 4:00 p.m. [Counseling Services](#) is located in the Student Union, Room 300.

OUHSC Student Affairs offers Multicultural Student Services to minorities, non-minorities, and outside agencies to create a diverse culture of understanding, cooperation and acceptance of all cultures in their training and inclusion in OUHSC programs. The Multicultural Services Coordinator works closely with student organizations on campus in maintaining structure and harmony with each other and the administration, fulfilling that diverse atmosphere needed for future health professionals.

OUHSC Student Affairs offers Prospective Student Services to identify and recruit students interested in health science careers as well as coordinating advisement for all OUHSC programs. They assist OUHSC colleges in publicizing their programs by attending career days at all Oklahoma colleges and universities, distributing program information guides, conducting campus tours, and working with all programs and schools from grade school to post secondary schools who wish to introduce students to the pre-health majors offered at the Health Sciences Center.

1.4 - Office of Admissions & Records

The [Office of Admissions and Records](#) provides services to students and faculty by maintaining accurate records of the academic progress and accomplishments of its students. Students are entitled to efficient and responsive treatment in admissions, registration and transcript services.

For questions relating to admission, enrollment or record/transcript process for prospective, currently enrolled or former students, refer to the [web page](#) or call 405-271-2359.

1.5 - International Student Services

[International students](#) may seek assistance in the Office of Admissions and Records concerning documents necessary for compliance with SEVIS, the Homeland Security Student Reporting System. This system electronically processes immigration applications, i.e., admission, departure/re-entry to the United States, extension of stay, transfer to other institutions, change of visa status, application for optional practical training pre- and post-practical, letters of certification for foreign exchange, etc. Requests for services should be made as early as possible in that the system delays are likely or probable.

The Office of Admissions and Records is located in the Robert M. Bird Health Science Library, 1105 N Stonewall, Suite 121. For further information, call (405) 271-2359. International applicants must contact Personnel Services at (405) 271-2189 for processing J-1 or H-1 visas. Additional information can be found at: <http://admissions.ouhsc.edu/CurrentStudents/InternationalStudentsStudyAbroad.aspx>

1.6 - Veterans Services

The Office of Admissions and Records provides certification of enrollment for students at the OUHSC who receive financial assistance through the Veterans Administration. Students enrolling at the OUHSC for the first time are encouraged to stop by the office or call (405) 271-2359 at your earliest convenience to begin the necessary paperwork for notifying the Veterans Administration. Additional information can be found at: <http://admissions.ouhsc.edu/CurrentStudents/Veterans.aspx>

1.7 - Office of the Bursar

A financial obligation is incurred at the time a student enrolls in course work at this institution. Specific questions regarding payment of tuition and fees should be directed to the [Bursar's Office](#) at 865 Research Parkway, Suite 240, email OUHSCBursar@ouhsc.edu. The office is open 8:00 A.M. to 5:00 P.M. Monday through Friday, except for university recognized holidays.

1.8 - Office of Financial Aid

Any student accepted for enrollment at the Health Sciences Center may apply for financial assistance. For financial aid information or to obtain an application packet, contact the Office of Financial Aid, P.O. Box 26901, Oklahoma City, Oklahoma 73190. [The Office of Financial Aid](#) is located at 865 Research Parkway, Suite 240, (405) 271-2118 or email Financial-aid@ouhsc.edu. Entering students should apply for financial aid as early as possible.

Additional awards, loans, scholarships, fellowships, grants, and stipends are offered through individual colleges and departments at the Health Sciences Center. Please contact the college or department of interest for additional information.

1.9 - Equal Opportunity and Affirmative Action

The OUHSC is committed to a policy of nondiscrimination in the admission and education of students. This institution, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability, or status as a veteran in any of its policies, practices or procedures. This includes but, is not limited to admissions, employment, financial aid, and educational services.

[The Office of Equal Opportunity](#) is located at 1105 N. Stonewall Ave (Library), Room 164H. Phone (405) 271-2110.

1.10 - Student Health Services

Students pay a Student Health fee each semester for a variety of medical services provided through the [Student Health and Wellness Clinic](#) in the OU Physicians Building, 825 NE 10th St., Suite 4A. For appointments, call (405) 271-2577. Staff at the Student Health and Wellness Clinic will make every effort to accommodate students' academic schedules.

1.11 - Student Health Insurance

All OUHSC students are required to have [health insurance](#). This may be obtained through the OUHSC student plan or a plan of their choice. The University of Oklahoma Health Sciences Center provides the option to purchase a health insurance plan with a designated private insurance company. Individual, spouse, and/or family coverage may be obtained by any Health Sciences Center student. Applications for coverage may be obtained upon admission to the university. Details found at <http://students.ouhsc.edu/HealthInsurance.aspx>

1.12 - Robert M. Bird Library

The Robert M. Bird Health Sciences Library is responsible for the resource materials and services necessary to support the teaching, research, and service missions of the University of Oklahoma Health Sciences Center. The Library supports graduate, professional, and undergraduate study in medicine, nursing, pharmacy, dentistry, public health, and allied health. As the largest collection of medical information in the state, the library serves as a major information resource for health professionals and all citizens of Oklahoma. Details on services, the library collection and policies related to library use are available in the Library or visit the home page for the Robert M. Bird Library at: <http://library.OUHSC.edu>.

1.13 - Information Technology

Information and communication solutions to enhance teaching, healing, and discovering are the challenge of Information Technology (IT) at OUHSC. IT offers a total information and communication solution, integrating networking, telecommunications, the Internet and intranet, enterprise and desktop database technology and applications. Enterprise solutions bring institutional and collegiate information from servers to the individual desktops of the faculty members, researchers, clinicians, students, staff, and administrators. For more information, visit the [IT website](#).

Information Technology is committed to supporting teaching and learning through the innovation and implementation of dependable and responsive technologies and services. Working closely with the students, faculty and staff, IT provides the campus with comprehensive support solutions encompassing desktop computing, network services, telecommunications, and Internet technologies as well as the computer infrastructure and application support for University-wide services such as email, student administration, human resources, and financials.

1.14 - OUHSC Student Union

The [OUHSC Student Union](#) is located at 1106 North Stonewall. The Student Union is home to OUHSC Student Affairs, Financial Aid, the OUHSC Student Association, and the IT Helpdesk. The Student Union offers banking services including an ATM, a Food Court, a sand volleyball court and basketball court. Multipurpose rooms, including the Boren Lounge, offer students a quiet and relaxing place to study or chat with friends. While the OUHSC Student Union facility is devoted to the OUHSC community, the surrounding community utilizes the facility for meetings, retreats, parties, and wedding receptions. OUHSC Students are granted 24-hour access with a valid OUHSC Student ID. Please call (405) 271-3285 for more information.

1.15 - Fitness and Recreational Services

The Health Sciences Center campus offers Fitness and Recreational Services free to students in the [University Health Club](#) located at 1000 N. Lincoln. Call (405) 271-1650 for information regarding fitness center operation times and policies regarding the center. Intramural programs, sponsored by OUHSC Student Affairs and the OUHSC Student Association offer students the opportunity to compete in a variety of competitions. For information regarding intramural sports, view the website at <http://students.ouhsc.edu/StudentActivities/HSCIntramuralSports.aspx>

Health Sciences Center students interested in utilizing the Huston Huffman Recreational Center on the Norman campus may choose one of the following options:

1. Pay a semester facility fee at the center whereby the student's identification card will be validated to allow full access.
2. Present a valid OUHSC identification card and pay a per visit fee.

The student must present a valid OUHSC identification for either option or the fee must be paid at the Norman campus.

1.16 - Housing

University Village located on the Health Sciences Center campus in OKC, is available to all OUHSC students and operated by the University. University Village offers two-bedroom town homes and one-bedroom studio apartments. Residents enjoy gated parking, a game room, washers and dryers, and free Internet. Visit <http://students.ouhsc.edu/StudentServices/UniversityVillageApartments.aspx> or call the University Village Manager at (405) 271-0500 for more information.

1.17 - Student Identification Cards

All OUHSC students must have an [ID card](#). To obtain an ID card, report to the OneCard Office in the Service Center Building, SCB 118, 1100 N. Lindsay, Oklahoma City. For more information you may contact the office at 271-2980.

1.18 - Student Organizations

[Student organizations](#) must be registered with OUHSC Student Affairs. Registration allows students use of university facilities and services for decreased costs, ability to apply for OUHSC Student Association funding, and listing of events on the OUHSC Student Affairs web site. Approval of student organizations and activities are based upon such considerations as performance, educational purpose, and other criteria related to the goals and objectives of the organization, purposes of the activities and how they fit within the mission and scope of the University of Oklahoma Health Sciences Center. Membership in student organizations cannot be restricted by gender, race, color, religion, national origin, age disability or veteran status. Membership may be restricted by academic area, educational level (undergraduate, graduate, professional, etc.) or other academic/professional status. Please visit the [OUHSC student organizations webpage](#) or call (405) 271-2416 for information regarding registration requirements and a complete list of registered student organizations.

1.19 - Parking

Students are eligible to apply for parking in a designated parking lot operated by the University of Oklahoma. All students parking at the Oklahoma Health Center must have a current Health Center parking permit. Special parking may be obtained for persons with physical disabilities in accordance with the Americans with Disabilities Act. Emergency telephones are located in strategic areas in the parking lot and parking personnel are available for assistance.

Current fees are found online at <http://www.ouhsc.edu/parking/>. Contact the Parking Office at 271-2020 for additional information. The Parking Office is located at 825 Research Parkway, Room 115, Oklahoma City, Oklahoma 73104. The office is open Monday through Friday from 7:30 a.m. - 5:00 p.m.

1.20 - Athletic Tickets

Each spring OUHSC Student Affairs coordinates with the OU Athletic Ticket Office in conducting a presale of season football and basketball tickets on the Health Sciences Center campus. Tickets to "away" and OU-Texas football games must be ordered at that time. Following the presale, season tickets are encoded into student ID cards. Away game tickets are disbursed by OUHSC Student Affairs located in Suite 300, Student Union. For further information, contact OUHSC Student Affairs (271-2416), the OU [Athletic Ticket Office](#) (325-2424) or [OUHSC Student Services](#)

1.21 - Academic Appeals

The responsibility for academic evaluation rests with the faculty. If a student believes he or she has been wrongfully and unfairly evaluated by an instructor, and if the student is not able to resolve the matter in conference with the instructor or the department chair, an appeal may be made to the appeals board of the college offering the course. Each college has an academic appeals board consisting of an equal number of students and faculty. Faculty members of the board are chosen by the faculty of the college for a term determined by the faculty. Student members of the board are appointed for a term of one year by the Dean of the college upon recommendations from the student body president. It is the primary function of a board to mediate or adjudicate disputes that have not been satisfactorily resolved at the department level. All thesis and dissertation appeals are heard by the Graduate College Appeals Board.

A board will hear a case only after an attempt has been made by the student and the instructor to resolve their differences, if necessary, in consultation with the department chair. If in the judgment of the board the case already has been satisfactorily resolved in the department, it may refuse the student a further hearing. Each board is given the responsibility of establishing its own rules of procedure. Such rules must be consistent with the full protection of the rights of all parties involved. Meetings of a board may be closed to the public.

If a board fails to achieve a settlement mutually satisfactory to the parties involved, it will recommend a means of settling the dispute to the executive committee (or comparable body) of the college, where final disposition will be made.

Further information regarding the University Academic Appeals Policy may be found in the [Student Handbook](#), Section 2.1 and the [Faculty Handbook](#), Appendix C.

1.22 - Academic Misconduct

The policy regarding dishonest work is detailed in the Academic Misconduct Code, which describes academic misconduct as (a) cheating (using unauthorized materials, information, or study aids in any academic exercise or on national board examination), plagiarism, falsification of records, unauthorized possession of examinations, intimidation, and any and all other actions that may improperly affect the evaluation of a student's academic performance or achievement; (b) assisting others in any such act; or (c) attempting to engage in such acts.

The code provides that the student's Dean shall be notified of the charge and the Dean shall notify the student. Notification of the Dean shall be in writing with a brief description of the evidence, and shall be made within 10 University business days after discovery of the incident, exclusive of University breaks or academic inter- sessions. The code outlines possible disciplinary actions, the provisions for a conference with the Vice Provost for Educational Services, and the request for a hearing or appeal. A complete copy of the Academic Misconduct Code is in Section 4.18 of the [Faculty Handbook](#).

1.23 - Research Programs

Research is a critical mission of the University of Oklahoma Health Sciences Center. It is vital to the growth, health and progress of the state of Oklahoma, region, and nation. Participation in research and creative activity projects is fundamental to a graduate student's training and development. Research projects that include graduate students are conducted in all graduate programs offered at the university. Information about current research is available from the Faculty pages of each academic department. Graduate students are encouraged to contact the graduate liaison in their academic program for information on research projects that will match their studies and for opportunities to join these research teams.

For more information on these programs and others that may be available, please see the links in Chapter 5 of this document.

All research at OUHSC is compliant with federal, state and local regulations and guidelines. Details can be found at the [OU Office of Compliance](#).

1.24 - Human Subjects in Research

All research involving human subjects or the use of data generated via human subjects research must be reviewed and approved by the University of Oklahoma-Health Sciences Center Institutional Review Board (IRB) prior to subject recruitment and data collection. All human subject research to be performed by faculty, staff, or students of the University of Oklahoma Health Sciences Center must be reviewed by the IRB. The IRB's primary roles are to determine if the rights and welfare of human subjects who volunteer to participate in research studies are adequately protected and ensure that adequate informed consent procedures are used. The University of Oklahoma Health Sciences Center policy for the protection of human subjects in research activities and IRB application materials can be accessed at the [IRB web site](#). If you have questions about compliance or the IRB approval process, you may contact the Office of Human Research Participant Protection at (405) 271-2045 e-mail irb@ouhsc.edu.

1.25 - Use of Vertebrate Animals in Research

All research performed on live vertebrate animals or teaching that uses live vertebrates must be described for review and approval by the University of Oklahoma Health Sciences Center, Institutional Animal Care and Use Committee (IACUC) prior to obtaining animals and data collection. The primary role of the IACUC is to assure compliance with the U.S. Animal Welfare Act and Amendments and to assure that animals receive humane care during procedures in accordance with federal regulations of the U.S. Department of Agriculture (USDA) and the Office of Laboratory Animal Welfare of the Public Health Service (OLAW/PHS). If you have questions on the IACUC policies and procedures, you may contact the IACUC office at (405) 271-7381 or visit the web site at: <http://compliance.ouhsc.edu/iacuc/OUHSC.aspx>.

1.26 - Patent Policy

The University of Oklahoma Intellectual Property Policy governs the ownership of certain inventions made by University students, staff, and/or faculty members. The policy provides, in part, that all discoveries and/or inventions, patentable or not patentable, which are made or conceived of while the inventor is a student at the university with substantial use of university facilities, or are made with funds provided by or through the university (including research funds), are the property of the University. The policy protects and offers substantial benefits to the inventor, while simultaneously protecting the University's interests in the invention. Students and faculty members are expected to be familiar with their rights and obligations under the University Intellectual Property Policy and to promptly report any inventions as outlined in the Policy. Please be aware that the University Intellectual Property Policy is subject to revision at any time, and the most current version of the policy will be available online. The Intellectual Property Policy is found in the [Faculty Handbook](#) Section 4.23. Students who make an invention or discovery which is covered under the stated conditions should contact the Intellectual Property Management Office at (405) 271-7725 or via e-mail at OTD@ouhsc.edu.

1.27 - Discrimination Policy

The University has a policy of internal adjudication in matters relating to alleged discrimination. Any faculty member, staff member, or student, including those on temporary or part-time status, who believes that he or she has been discriminated against because of race, color, national origin, sex, age, religion, disability or status as a veteran should file a complaint under the Grievance Procedure for Complaints Based Upon Discrimination, Sexual Harassment, Consensual Sexual Relationships or Racial and Ethnic Harassment. Contact the Affirmative Action Office, OUHSC, Service Center Building, Room 113, (405) 271-2110 for additional information or you may visit the Equity Office [web site](#).

1.28 - Reasonable Accommodation Policy

The University of Oklahoma Health Sciences Center will reasonably accommodate qualified individuals with a disability unless such accommodation would pose an undue hardship, would result in a fundamental alteration in the nature of the service, program or activity or in undue financial or administrative burdens. The term "reasonable accommodation" is used in its general sense in this policy to apply to

employees, students, and visitors. For more information on the Reasonable Accommodation Policy, please visit <http://www.ou.edu/drc>

1.29 - Release of Student Information and Access to Student Records

Information about students and former students gathered by the University of Oklahoma is of two types: (1) directory and (2) confidential. Any office gathering such information and/or having custody of it shall release it only in accordance with this policy. When a student enters a university and furnishes data required for academic and personal records, there is an implicit and justifiable assumption of trust placed in the university as custodian of such information. This relationship continues with regard to any data subsequently generated during the student's enrollment.

While the University fully acknowledges the student's rights of privacy concerning this information, it also recognizes that certain information is part of the public record and may be released for legitimate purposes. The following policies adopted by the University can be found at the Office of Admissions and Records Website under [FERPA](#): Directory Information, Disclosure of Education Records, Record of Requests for Disclosure, Procedures to Inspect Education Records, Correction of Education Records, Limitations on Right of Access, Refusal to Provide Copies, Fees for Copies of Records, and the Oklahoma Open Records Act.

1.30 - Support of Students and Trainees by Companies

(Excerpted from the [Faculty Handbook Appendix E](#)).

The progress and academic standing of students and trainees must never be compromised. Employees supervising students and trainees must inform them in writing of the source(s) of their funding support, disposition of intellectual property, management of proprietary information, and handling of publication rights prior to assigning the students or trainees to a Research or training project supported by a Company.

A student's academic program cannot be supported by a Company in which the supervising Employee has Equity, serves on a Board, or serves as an Operating Officer or Scientific Officer, unless specifically approved in writing by the Dean of the Graduate College and the Senior Vice President and Provost. If approved, support (e.g., stipends, tuition, salary, scholarships) for students and trainees provided by Companies must comply with all of the following provisions:

1. The College department, program, or unit approves the recipient;
2. The funds are provided to the University;
3. The recipient is not subject to any implicit or explicit expectation of providing or foregoing something in return for the support; i.e., a "quid pro quo"; and
4. The Company does not withhold or unreasonably limit publication of the student's research.

University trainees and students may not be employed by any Company to conduct Research that overlaps with their University training or academic program. In addition, Graduate College policy does not allow a faculty member with supervisory responsibility for an Employee to serve as mentor for the same individual as a student; therefore, any proposed employment of a trainee or student by a Company to work on Company Research that does not overlap with their training or academic program in which the mentor has Equity, serves on a Board, or serves as an Operating Officer or Scientific Officer of the Company must be approved in advance by the Dean of the Graduate College and the Senior Vice President and Provost.

1.31 - Petition for Residency Policy

All non-residents of Oklahoma must pay nonresident tuition in addition to other tuition and fees and must meet nonresident admission criteria. The Residency Policy is found online at

<http://admissions.ouhsc.edu/ProspectiveStudents/In-StateOut-of-StateTuitionPolicy/PetitionforOklahomaResidency.aspx>

1.32 - Undergraduate Student Research Policy

OU Norman Students:

College Credit: OU Norman undergraduate students may enroll in coursework that allows independent research with an OUHSC faculty member through intercampus enrollment. Credit hours earned are dependent upon hours spent on the OUHSC campus with the mentor. OUHSC courses will be listed on the Norman Campus student's transcript. Intercampus enrollment must be processed by the OU Norman Registrar's Office.

Volunteer (No College Credit):

Undergraduate students from OU Norman may participate in experiential research with an OUHSC mentor. In this option the student does not enroll for credit for research experience. No tuition is charged by OUHSC and no college credit is earned. Student agrees to follow OUHSC and laboratory policies and procedures. Consult the [Graduate College Research website](#) for details.

Students from External Institutions:

College Credit: Undergraduate students from an accredited U.S. college or university must be accepted for enrollment as an OUHSC Graduate College Special Student to receive college credit for performing research with an OUHSC mentor. Student's home institution must approve credit. Student is responsible for OUHSC tuition and fees.

Volunteer (No College Credit): Undergraduate students from an accredited U.S. college or university may participate in experiential research with an OUHSC mentor. In this option the student does not enroll for credit for research experience. No tuition is charged by OUHSC and no college credit is earned. Student agrees to follow OUHSC and laboratory policies and procedures. Consult the [Graduate College Research](#)

[website](#)

1.33 - Other Policies and Procedures

Other University policies include the Smoking Policy, Teachers English Proficiency, Policy on Prevention of Alcohol Abuse and Drug Use on Campus and in the Workplace, and Security. All policies are available in the [Student Handbook](#).

2 - THE OUHSC GRADUATE COLLEGE

2.1 - Administrative Officers

- H. Anne Pereira, PhD, Dean, Graduate College; Professor of Pharmaceutical Sciences; David L. Boren Professor and Henry Zarrow Presidential Professor, College of Pharmacy
- Gillian M. Air, PhD, Associate Dean, Graduate College; George Lynn Cross Professor, Department of Biochemistry & Molecular Biology
- Rebecka Bourn, PhD, Assistant Dean for Student Affairs
- Eric Howard, PhD, Assistant Dean for Biomedical Graduate Programs; Director, Graduate Program in Biomedical Sciences (GPiBS); Associate Professor, Department of Cell Biology
- Amy Tucker, PhD, Assistant Dean for Graduate Education and Research
- Sara Vesely, PhD, Director of Summer Research Programs; David Ross Boyd Professor and Assistant Dean of Academic Affairs, College of Public Health; Director of Clinical and Translational Science
- Christopher Horton, PhD, Assistant Director of the Graduate Program in Biomedical Sciences (GPiBS)
- Anne Kasus-Jacobi, PhD, Director of Strategic Partnerships & Program Development

2.2 - Graduate College Staff

- Catina Jordan, Assistant to the Dean
- Elaine D. Masters, Business Manager
- Cole Bradshaw, Special Programs Coordinator, Graduate Program in Biomedical Sciences (GPiBS)
- Carla Shackelford, Student Program Coordinator
- Chandy Cornelius, Neuroscience Student Program Coordinator

2.3 - Graduate Liaisons and Program Directors 2020-2021

- Hongwu Wang, PhD, Allied Health Sciences (PhD in Rehabilitation Sciences)
- Susan Sisson, PhD, Allied Health Sciences (Nutritional Sciences)
- Karla Rodgers, PhD, Biochemistry and Molecular Biology
- Shannon Conley, PhD, Cell Biology
- Jennifer Peck, PhD, Biostatistics and Epidemiology
- Sara Vesely, PhD, Clinical and Translational Science
- Andrew John, PhD, Communication Science and Disorders
- Erin Youngs, MS, Genetic Counseling
- Eric Howard, PhD, Graduate Program in Biomedical Sciences
- Thomas A. Teasdale, DrPH, Health Promotion Sciences
- Margaret Phillips, PhD, OEH-Industrial Hygiene
- Molly Hill, PhD, Microbiology and Immunology
- David Sherry, PhD, Neuroscience
- Zachary A. Smith, PhD, Neuroscience
- Barbara Carlson, RN, PhD, Nursing
- Emily Jones, PhD, Nursing
- Margaret Phillips, PhD, Occupational and Environmental Health
- Stephen McCullough, DDS, MS, Orthodontics
- Robin Henderson, DMD, MS, Periodontics
- Zhizhuang Zhao, PhD, Pathology
- Nathan Shankar, PhD, Pharmaceutical Sciences
- Hui-Ying Lim PhD, Physiology
- Jagadeesh Sonnad, PhD, Radiological Sciences

2.3.1 - Graduate Council 2020-2021

- H. Anne Pereira, PhD, Graduate College Dean and President
- Andrew John, PhD, Allied Health
- Sandra Arnold, PhD, Allied Health

- Nicole Giordano, GSA
- Emily Jones, PhD, Nursing
- Barbara Carlson, PhD, Nursing
- Sharukh Khajotia, BDS, MS, PhD, Dentistry
- Grant Skrepnek, PhD, Pharmacy
- Mike Ihnat, PhD, Pharmacy
- Tabitha Garwe, PhD, Public Health
- Daniel Zhao, PhD, Public Health
- Karla Rodgers, PhD, Medicine
- Shannon Conley, PhD, Medicine
- Molly Hill, PhD, Medicine
- Dean Myers, PhD, Medicine
- Eric Howard, PhD, Medicine
- Gillian Air, PhD, *Graduate College, ad hoc*
- Amy Tucker, PhD, Graduate College, ad hoc
- David Sherry, PhD, *ad hoc (CRC)*
- Lourdes Planas, PhD, *ad hoc (GFAC)*
- Catina Jordan, Graduate College (Administrative Support)

2.4 - Graduate Faculty

Individuals participating in the teaching, research and service mission of graduate education must be appointed to the OUHSC Graduate Faculty. For more information see the [Guidelines](#) for Graduate Faculty Appointments

2.5 - Graduate Degree Programs

The Graduate College offers both Master of Science and Doctor of Philosophy degrees in multiple disciplines. Requirements that apply to all of these degrees appear later in this bulletin. Information about individual degrees is available from the Graduate College or from the individual academic unit. The following departments or programs offer MS and/or PhD degrees:

2.5.1 - Master of Science Degree (MS)

- Biochemistry and Molecular Biology
- Biostatistics
- Cell Biology
- Clinical and Translational Science
- Epidemiology
- Genetic Counseling
- Health Promotion Sciences
- Neuroscience
- Nutritional Sciences
- Occupational and Environmental Health
- Orthodontics
- Pathology
- Periodontics
- Pharmaceutical Sciences
- Physiology
- Radiological Sciences

2.5.2 - Doctor of Philosophy (PhD)

- Allied Health Sciences
- Biochemistry & Molecular Biology
- Biostatistics
- Cell Biology
- Communication Sciences and Disorders
- Epidemiology
- Health Promotion Sciences
- Microbiology and Immunology
- Neuroscience
- Nursing
- Occupational and Environmental Health
- Pathology
- Pharmaceutical Sciences
- Physiology
- Radiological Sciences

2.5.3 - Dual Degrees

- **PharmD/MS**
Students in the PharmD professional program may apply to enroll for a research MS degree.
- **MD/PhD Degree Program**
Students may individually design a program of study combining the MD degree with a PhD degree. Refer to the doctoral degree section of this bulletin for additional information.
- **Generic Dual Degree Programs**
Students may pursue two pre-existing master's degree programs simultaneously. Refer to the master's degree section in this bulletin for additional information.

2.5.4 - Accelerated Dual Degree Program

Students may combine the bachelor's degree with a master's or doctoral degree in an accelerated manner. Refer to the master's or doctoral degree section in this bulletin for additional information.

2.5.5 - Specialization in Neuroscience

Students admitted to a degree-granting department may pursue a designation of "Specialization in Neuroscience" upon completion of the PhD degree. Refer to the doctoral degree section of this bulletin for additional information.

2.6 - Admission/Application

All applications are made through the 'How to Apply' link on the [Admissions and Records](#) web site.

Applicants are encouraged to submit all official transcript(s) and any applicable college supplemental materials within two weeks of submitting their application in order for application processing to occur in a timely manner.

Steps:

1. Visit the college or program web sites to review program requirements.
2. Review the program deadlines.
3. Complete the [on-line application](#). Required fees are noted in the on-line application.
4. Submit test scores.
5. Submit official sealed or electronic transcript(s) from all higher education institutions attended. All official transcript(s), enrollment verifications and/or class schedules should be sent directly from the previous or current institution. Applicants should ensure the official transcript(s) contain current enrollment, as well as all previous grades. In cases where current enrollment is not posted to the applicant's transcript, the applicant should submit proof of enrollment by providing enrollment verification(s) with their classes listed or a class schedule from the institution. If providing an enrollment verification or class schedule, the applicant will need to have an official transcript mailed to the Office of Admissions and Records as soon as final grades are posted. Any applicant with foreign credentials is required to have their transcripts or marksheets evaluated course-by-course through WES (World Education Services: <http://www.wes.org/>) or through Educational Credential Evaluators (ECE: <https://www.ece.org/ECE/Individuals>).
6. Submit recommendation letters and/or list of references, if requested by college or department. Refer to program requirements.
7. Submit Resume or Vitae and/or Statement of Career Goals, if requested by college or department. Refer to program requirements.
8. Submit Observation Form, if requested by college or department. Refer to program requirements.
9. Review the Application Status View web site to monitor the receipt and completion of all items submitted to the Office of Admission and Records.

2.7 - Types of Admission

2.7.1 - Full Standing

The University of Oklahoma Health Sciences Center uses the 4.00 scale to calculate grade point averages, with an "A" equal to 4.00. An applicant must have a baccalaureate or entry level first professional degree from an accredited university or college and a 3.00 grade point average (4.0 scale) in the last 60 hours of course work applied to the degree. The applicant must be in good standing with the college or university where currently enrolled or last attended in order to be considered for admission in full standing to a degree program. If the applicant's transcript does not identify the last 60 hours, the entire transcript will be evaluated for admission. An applicant who has completed 12 hours or more of graded graduate level course work in an area related to the degree program of interest may be considered for admission. The applicant must have completed the course work at an accredited college or university with a 3.00 grade point average in all graduate work attempted and be in good standing with the college or university where currently enrolled or last attended. Additional academic work that is applicable to the degree program may be used in evaluating a student for admission into a graduate degree program.

An applicant presenting transcripts without a baccalaureate or entry level first professional degree posted may be admitted to a graduate degree program. An applicant admitted under these conditions must present an official transcript with the degree posted within the first semester of enrollment in the Graduate College. Failure to do so will result in a hold on future enrollment.

Except for those admitted a special student, the applicant must be recommended by a department or program unit. The final decision for admission to any graduate program, either as a degree or non-degree student, is determined by the Dean of the Graduate College.

2.7.2 - Probationary Admission

An applicant who does not meet the minimum grade point requirements for admission in full standing, may be considered for probationary admission to a degree program. Probationary admission to the degree program requires the recommendation of the department or program unit and approval of the Graduate Dean. When the student has completed the terms of the probationary admission, the student will be classified as full standing in the degree program.

Admission of an applicant with a grade point average less than a 3.00 (2.75-2.99) may be made only in an unusual case. In such cases, admission will depend heavily on other indicators of the applicant's ability to do successful graduate level work. These indicators might include but are not limited to a strong performance on standardized tests, a high grade point average in the major, and/or subsequent experiences that clearly indicate strong academic ability.

A student admitted with a grade point average less than 3.00 must earn at least a 3.00 grade point average in the initial 9 hours of graded graduate course work. The 9 hours must be courses required for the degree. It is expected these courses will be completed within one calendar year following initial enrollment.

2.7.3 - Unclassified Students

The OUHSC Graduate College does not accept unclassified students.

2.7.4 - Special Students

An applicant must meet the requirements for admission into the Graduate College. Please read directions carefully as the application fee is non-refundable. The Graduate College allows Special Student acceptance only under restricted circumstances. Most individuals accepted need a specific course for professional advancement such as recertification. Enrollment must be approved by the course director(s), the director of the program responsible for the course(s), and the Graduate Dean. Special Student acceptance is not granted to students who wish to take courses to enhance an existing application to advanced degree programs. Enrollment is limited to 12 semester hours. Application and procedure to [apply as a Special student](#) is located on the Admissions and Records website.

2.7.5 - Postdoctoral Fellows

Postdoctoral fellows who have received a doctoral degree from an accredited institution may be admitted as a Special graduate student with a [non-resident tuition waiver](#). Fellows who wish to be admitted to a degree program must follow the normal admission requirements for all graduate students. If a Postdoctoral fellow wishes to enroll as a degree-seeking student within the same department, they cannot teach graduate level courses in that department.

2.7.6 - Currently Enrolled University of Oklahoma Norman Students

Currently enrolled undergraduate and graduate students from the University of Oklahoma Norman campus who wish to apply for admission to an OUHSC graduate program should contact the [Office of Admissions and Records](#), Room 121, Bird Library Building, for application instructions. Once the application file is complete, their academic records will be referred to the Graduate College and to the prospective program for consideration. Enrollment as a student on the Norman Campus does not ensure admission to a Health Sciences Center degree program. Once admitted, undergraduate students must notify the Graduate College if they have failed to complete any requirements for the undergraduate degree. If any requirements have not been completed, the admission will be canceled and the student must reapply for admission.

2.7.7 - International Students

International applicants must fully meet the academic requirements for admission to the university, college and department; satisfy the [English proficiency requirement](#) and verify adequate financial support. International applicants and students are not eligible for financial aid through the university. All international and permanent resident applicants must fulfill the following requirements:

1. Meet the same admission criteria as required for American citizens.
2. Score 79 or higher on the TOEFL (iBT). This is waived for applicants from certain countries where English is the native language. Consult the [Admissions and Records International page](#) for details. Also see individual programs on the [Graduate College](#) web site for programs requiring a higher TOEFL score. Scores cannot be more than 2 years old. Applicants with a U.S. high school diploma or with a four-year U.S. baccalaureate degree may submit a [TOEFL Waiver Request](#) Form to the Admissions and Records Office.
3. Submit certified copies of transcripts from the university baccalaureate level work and certified copies of degrees awarded. Any applicant with foreign credentials is required to have their transcripts or marksheets evaluated course-by-course through WES (World Education Services) at the following web site: <http://www.wes.org/>.
4. Present acceptable evidence of financial adequacy to pursue a course of study at OUHSC (for F-1 students). International students for whom English is a second language and who serve as graduate teaching assistants must demonstrate proficiency in both oral and written English.

2.7.8 - Reserved Admission and Readmission

Upon being admitted to the Graduate College, prospective students are expected to enroll in courses at the University of Oklahoma Health Sciences Center in the semester they are admitted. Upon the request of the program or Dean, the Office of Admission and Records will hold admission for up to one year. Students are subject to the regulations in effect during their first term of enrollment so long as they maintain continuous enrollments.

Graduate students who interrupt their enrollment in the University of Oklahoma Health Sciences Center for more than one year must reapply for admission. If readmitted, they will be subject to the regulations in effect at the time of readmission.

2.7.9 - Change of Degree or Major

Students in good academic standing may request to change degree options within a program or transfer to another graduate program at the Health Sciences Center by completing a [Request for Change of College, Major or Degree Option](#) form. The request must be approved by all programs involved, the college Dean, and the Graduate Dean. Students on probationary status must move to full-standing status and have an overall graduate grade point average of 3.0 or greater prior to initiating a request for change of status.

2.8 - Graduate Assistants

A graduate student enrolled in an MS or PhD degree program can be appointed as a Graduate Assistant (GA) by the Graduate College. The primary responsibility of a GA is participation in the research and teaching effort of the department or program. The work must contribute to the graduate/professional education of the student and to fulfillment of requirements for the graduate degree. Graduate Assistants are categorized as Graduate Assistants, (GA 's), Graduate Research Assistants (GRA's) or Graduate Teaching Assistants (GTA's) and are defined according to the student's responsibilities.

GAs, GRAs, and GTAs may be eligible for a non-resident tuition waiver in accordance with Oklahoma State Regents policy. A student must be appointed a GA, GRA, or GTA by the first day of class in order to receive a non-resident tuition waiver for that semester.

To be appointed a GA, GRA or GTA, the student must meet the following requirements:

1. Student must be enrolled full-time. Full-time enrollment for a GA is defined as 6 credit hours for fall and spring semesters and 3 credit hours for the summer term.
2. Appointed to work 10 - 20 hours per week (0.25 to 0.50 FTE).
3. Work appointed for must be related to the program of study.
4. Student must receive a minimum stipend of \$500 per calendar month, at an FTE concordant with the current minimum wage. The Graduate College determines the maximum amount that can be earned annually. Students may not receive a stipend that exceeds the annually established maximum without prior approval of the Dean of their college.

2.8.1 - Graduate Assistant

The primary responsibility is participation in work that contributes to the educational process and development of the student.

2.8.2 - Graduate Research Assistant

The primary responsibility is participation in the research effort of the department and graduate program. The work must contribute to fulfilling requirements for completing the degree.

2.8.3 - Graduate Teaching Assistant

The primary responsibility is the teaching effort of the department and its contribution to student development.

2.8.4 - GA Appointment Outside Student's Degree-Granting Department

If the GA, GRA, or GTA appointment is with a faculty member who does not hold an appointment in the student's degree-granting department, the hiring department should initiate the [GA Authorization Form](#) found online. If the chair supports the appointment, completed documents should be forwarded to the Graduate College Dean who will approve the appointment if the work experience is directly related to the program of study and degree requirements.

The GA, GRA, or GTA appointment will be in the hiring department. The appointment must meet all requirements, policies and procedures defined by the degree-granting department for GA, GRA, and GTA appointments in the department.

The following documentation is included on the authorization form:

1. A detailed description of duties and how they are related to the program of study.
2. Description of the purpose and scope of the project on which the student would work.
3. Identification of the department and college where the project is located.
4. Identification of the faculty member who supervises the work and definition of the faculty member's association with the primary department and/or education.
5. List of skills that will be developed or learned that are directly related to the graduate program objectives.
6. Statement by student addressing how this experience will enhance the student's career objectives, including specific and measurable outcomes (i.e., professional presentations, publications, etc.).
7. Statement by the supervising faculty member confirming the scope of the work, its relevance to the program of study, the stipend amount and % time appointed.

2.9 - Enrollment Policies

2.9.1 - Full-Time and Maximum Enrollment

Full-time enrollment for graduate students is nine semester hours during the fall and spring semesters and four semester hours during the summer sessions. Students may not carry more than 16 hours per semester for graduate credit or more than nine semester hours per summer

session without permission of the Graduate Dean.

Students enrolled in at least five credit hours in a fall or spring semester or two hours in a summer session will be considered half-time, as defined by the Internal Revenue Service.

2.9.2 - Enrollment During General, Comprehensive, or Final Examinations, or Defense

Students must enroll in at least two graduate credit hours during the semester in which they take the general or comprehensive examination, or when defending their thesis or dissertation. Thesis/dissertation students must maintain continuous enrollment in 5980 or 6980 until the final copies are deposited with the library.

2.9.3 - Enrollment of Undergraduate Students in Graduate Courses

Undergraduate juniors or seniors at the University of Oklahoma who have a cumulative GPA of 3.00 or greater may enroll in graduate level courses. Approval is required from the advisor, department, and Graduate Dean. Undergraduates desiring graduate credit for a course must have a minimum overall grade point average of 3.00 and complete and return to the OU Norman Graduate College the Application for Graduate Credit for Courses taken during the Junior and Senior Year. Students must receive permission to enroll in the course for graduate credit from the instructor, the department offering the course, and the Graduate Dean. Approval of the instructor will signify that the junior or senior will be graded in competition with the graduate students in the class. The application must be completed and returned to the Graduate College Office with the signed approvals noted above before or during the first two weeks of classes of the semester during which the course will be taken.

When the student has completed the bachelor's degree, the Graduate College will request the student's undergraduate college to verify that the course was not required for the bachelor's degree and that the student earned either A, B, or S in the course. Credit for courses so listed may not be applied toward the bachelor's degree.

Each graduate degree program has a prescribed set of courses required for the degree and not all graduate level courses can be applied to fulfill those requirements. Before enrolling in graduate level courses, the student who plans to work toward a graduate degree should consult with the department or program to plan an appropriate program of study.

2.9.4 - Faculty and Staff Graduate Enrollment

To prevent a conflict of interest between the role of student and the role of faculty or staff, the following policy applies to all OUHSC faculty and staff enrolled in Graduate College course work and programs at the University of Oklahoma Health Sciences Center.

A faculty member may enroll in Graduate College course work as a Special Student. If the course work is in a department in which the faculty member has an appointment, the faculty member must enroll for audit. A faculty member may not enroll for credit and cannot be admitted into a degree program in a department in which he or she holds a faculty appointment or in an academic area of his or her faculty expertise unless the following conditions are met:

1. The faculty member's graduate program must be for a degree higher than the one currently held.
2. The departmental Chair or Program Director in which the faculty member holds an appointment must submit a plan to manage any potential conflict of interest. The plan must be approved by the Dean of the Graduate College and the College in which the faculty member holds an appointment.
3. A full time faculty member cannot be paid as a graduate student or receive a student grant.
4. The faculty member must relinquish voting privileges in the department or program in which he or she holds a Graduate Faculty appointment and recuse themselves from any meeting discussing items related to their Graduate College program while a student.

Staff may enroll in graduate course work as Special Students.

If a staff member is admitted to a degree program within the academic unit in which he or she is employed, the following conditions must apply:

1. A staff member may not enroll for credit in a course that is taught by a faculty member who has supervisory authority over the staff member's employment. An exception can be made for a required course taught only by the faculty supervisor if approved by the Graduate College Dean.
2. The staff member's work and responsibility as an employee must be different from his or her work and responsibility as a student.
3. If the staff member is employed for research effort, the research activity for which the staff member receives payment as an employee cannot be used to meet thesis or dissertation requirements.
4. The criteria for the evaluation of the staff member as an employee must be identified and differentiated from the criteria for the evaluation of the staff member as a student.
5. A full time staff member cannot be paid as a graduate student or receive a student grant.
6. It is the responsibility of the thesis/dissertation chair and committee members to be certain that these conditions are met and to monitor for any potential conflict of interest and bring it to the attention of the Graduate Dean.
7. The faculty member with supervisory responsibility for the staff member as an employee cannot chair the staff member's graduate committee unless the following conditions are met:
 - A. Prior approval must be requested by the supervising faculty member and approved by the department Chair or Program Director and the Graduate Dean.
 - B. The request must include how duties as a staff member and a student are substantially different and how staff and student activities will be evaluated differently.
 - C. If the request is approved, the thesis/dissertation committee members will be charged with monitoring for any potential conflicts of interest and bringing them to the attention of the Graduate Dean.

2.9.5 - Health Sciences Center Students Enrolling in Norman Campus Courses

To enroll in Norman campus courses, Health Sciences Center students must receive permission from their HSC college. The HSC Office of Admissions and Records will process all enrollments, adding and/or dropping courses. Tuition and fees for OU Norman courses are paid to the OU Norman Bursar's Office in Buchanan Hall, 1000 Asp Avenue. Norman campus courses will be listed on the HSC student's transcript. For further information, contact the HSC Office of Admissions and Records, 271-2359.

2.9.6 - Norman Campus Students Enrolling in Graduate College Courses

In that all courses at the HSC require special permission, Norman campus students are advised to secure that permission from the HSC instructor before beginning the enrollment process.

Once permission has been obtained, Norman campus students should contact the Norman Office of Academic Records and Enrollment Services, Buchanan Hall, 1000 Asp Avenue, Norman. HSC courses will be listed on the Norman campus student's transcript. Tuition and fees for HSC courses are paid to the HSC campus Bursar's Office, Service Center Building, 1100 N Lindsey, Oklahoma City. For further information, contact the OU Norman Office of Academic Records and Enrollment Services, at (405) 325-4147.

2.9.7 - Auditor

Audit enrollment is for non-credit and used by students who want to take a class for information, not to count toward a degree. Students enrolling as an auditor must meet guidelines as outlined below. Enrollment as an auditor is permitted in all courses, subject to the approval of the instructor(s) and the Dean of the college in which the course(s) is offered. Enrollment as an auditor must be completed by the last day of enrollment in any term.

Enrollment as an auditor is indicated with an "AU" or "W" grade on the student's permanent academic record and no credit/clock hour values designated. Fee charges and refund policies for audit enrollments are the same as for credit enrollments. Students enrolled "exclusively" as auditors may withdraw only during the fee refund period and the enrollment will be canceled. No entry will be made on a permanent academic record.

In accepting a student as an auditor, it becomes the responsibility of the instructor to make clear to the student the instructor's requirements for the audit enrollment. For example, if the student is to attend regularly, to participate in specific class exercises, perform experiments, take tests, etc., this must be relayed to the student at the time permission is given to enroll as an auditor. Satisfactory completion of the audit enrollment is identified as an "AU" grade. An instructor, at his/her discretion, may assign a "W" grade to an auditor who, in the instructor's opinion, did not perform according to the specific requirements as identified at the time of enrollment.

Students enrolled exclusively as an auditor may change their enrollment to "credit," providing the student gains admission to the university during the first two weeks of classes of a semester or the first week of classes of a summer session with the approval of the instructor(s) and appropriate college Dean.

A change of enrollment from "credit" to "audit" may be made no later than the end of the sixth week of classes of a semester or the end of the third week of classes of a summer session, providing the student is passing and receives the approval of the instructor and the appropriate Dean. A change of enrollment to audit supersedes the original enrollment for credit, and no withdrawal from the credit enrollment is posted to the student's permanent record. For more information, contact Admissions and Records, LIB 121 or (405) 271-2359.

2.9.8 - Class Attendance

Only officially enrolled students (either for credit or audit) may attend class. Each student is responsible for the content of courses in which he or she is enrolled. Specific policies concerning attendance requirements, announced, and unannounced examinations are the responsibility of the individual instructor. If absences seriously affect a student's class work, the instructor is required to report this fact to the appropriate Dean, who will transmit the information to [the Office of Admissions and Records](#). Classes are not to be dismissed or rescheduled for extracurricular functions.

2.9.9 - Request for Leave of Absence

Students may request a leave of absence from their graduate studies for up to but not to exceed 12 consecutive months (three consecutive academic terms). Leave of absence has no effect on time limits for expected graduation. The student should complete the 'Student Leave Request' form found on the [Admissions and Records](#) website. The request must be approved by the student's graduate advisor, department chair, and Graduate Dean. Students on probationary status, if granted a leave of absence, will resume their probationary status upon return from their leave. Students receiving financial aid may be required to return a portion of the aid. They must check with their financial aid officer.

2.9.10 - Withdrawing and Dropping Courses

Students should contact their department to initiate the drop or withdrawal procedure. Withdrawing from the Health Sciences Center refers to withdrawing from all enrolled courses for a given term. Dropping refers to the dropping of one or more courses while remaining enrolled in at least one course for a given term. Consult the class schedule for grading regulations and deadlines relative to withdrawals and drops. Withdrawing or dropping courses may require students receiving financial aid to return a portion of the aid received. Students must check with their financial aid officer. Appropriate forms found at [Admissions and Records](#).

Drop:

During the first two weeks of class (first week of a summer session), no record of a grade on a dropped course will be recorded. From the third through sixth week of class (second and third week of summer), an automatic grade of W will be assigned to each course the student is dropping. From the seventh through 10th week (fourth and fifth week of summer), a grade of W (passing but indicating student withdrew from

the course) or F (not passing) is submitted by the course director according to Graduate College grading policy guidelines. Grades of A, B, C, and S are passing or satisfactory grades and grades of D, F or U are failing grades in the Graduate College. From the 11th week through the last day of classes (sixth week through the last day of class in the summer), a petition to the Graduate College Dean requesting permission to drop a course is required. The petition should outline the specific reason(s) for dropping the course(s). If the Dean approves the drop, the course instructor renders a grade of W or F (following the above Graduate College grading policy guidelines) that reflects the student's letter grade at the time of the drop request.

Withdraw:

The transcript of students withdrawing prior to the beginning of the semester will not reflect enrollment in the courses. From the third through sixth week of class (second and third week of summer), an automatic grade of W will be assigned to each course the student is withdrawing from. From the seventh week through the last day of class (fourth week through last day of class in summer), a grade of W (passing but indicating student withdrew from the course) or F (not passing) is rendered by the course director according to Graduate College grading policy guidelines that reflects the student's letter grade at the time of the drop request. Grades of A, B, C, and S are passing or satisfactory grades and grades of D, F or U are failing grades in the Graduate College.

An administrative withdrawal (AW) may be assigned to indicate that a student has been "involuntarily" withdrawn by the institution during the designated semester for disciplinary or financial reasons or inadequate attendance. Such institutional penalties must follow formal institutional procedures. Administrative withdrawals are GPA neutral.

2.10 - Grades

2.10.1 - Course Credit in the Graduate College

Course work taken at the University of Oklahoma Health Sciences Center which is to be applied toward fulfilling requirements for a graduate degree must be approved for graduate credit and recommended by the Advisory Committee.

2.10.2 - Grades of A, B, C, D, and F

The grades A, B, C, D, and F are used in computing grade point averages. In the Graduate College the grades of A, B, C, and S are the only passing or satisfactory grades, and the grades of D, F and U are failing. Students who receive a D, F or U grade in a required course must register for the required course the next time it is offered. In such re-enrollment, both grades will be shown on the student's academic record and both will be included in the grade point average calculation. Any student presenting credit from another institution for a course previously failed at the University of Oklahoma Health Sciences Center shall not receive credit for such courses except through validation by the department in which the course was originally failed and approval by the Graduate Dean. It is the prerogative of each college and/or department to establish grade requirements above the Graduate College minimum.

2.10.3 - Grades of S and U

The grade of S (satisfactory) is a neutral passing grade. The grade of U (unsatisfactory) is used to indicate that no credit will be given for the course. These grades may be used for seminar courses provided they are taught on a non-competitive basis and all students in the class are graded on this basis. The S grade is the only passing grade accepted for special problem courses, individual research, and directed reading courses. Instructors and mentors are expected to notify the student of an impending U grade and plan remedial action well before the end of the semester. The S grade may not be used for lecture courses except with the expressed approval of the Graduate Dean.

2.10.4 - Grade of I

The grade of I (incomplete) is a neutral grade. It is not an alternative to an earned letter grade, but is intended as a temporary grade to be used for a student who, for reasons satisfactory to the instructor, is unable to complete certain identifiable requirements of a course and who cannot be assigned any other grade. Typical instances might be absence from a final examination due to illness or inability to submit a term project due to extenuating circumstances. "Incomplete" is not an acceptable explanation of the I grade.

The instructor will indicate to the student what must be done to complete the course, will set a time limit appropriate to the circumstances and will define the grade to be assigned.

If by the end of one year no change in grade has been submitted, the grade of I will become permanent on the student's record. After a grade of I has become permanent, the student may re-enroll in the course. Credit for courses in which a student has received an I at the University of Oklahoma cannot be completed at or transferred from another institution. If the student graduates with a grade of I on the record, it becomes permanent.

2.10.5 - Grades of X, S, and U for Enrollment in Thesis and Dissertation Research

The grade of X is a neutral conditional grade and indicates that satisfactory progress is being made on thesis and dissertation research courses 5980 and 6980. It is a complete grade when the final entry is either Satisfactory (S) or Unsatisfactory (U), indicating either acceptance or rejection of the thesis or dissertation. An intermediate grade of U indicating unsatisfactory progress in thesis or dissertation research may be given if circumstances warrant. The grade of X is included in hours attempted and hours earned.

2.10.6 - Grade of W

Students withdrawing from all courses in the first two weeks of class (the first week of a summer session) receive a W in each course of enrollment. For complete withdrawals occurring after the second week of class (first week of summer session), the instructor will assign a grade of W or F for each course.

Students withdrawing from one or more courses but not all courses in the first two weeks of class (first week of summer) no grade is recorded; from the third week through the sixth week of class (second and third week of summer) a W will be assigned to each dropped course. From the seventh through 10th week (fourth and fifth week of summer) the instructor of each course dropped will assign a W or F. Beginning with the 11th week of class (sixth week of the summer session) through the last day of classes courses may be dropped only by direct petition to the Dean of the college under which the course is taught. Students who drop a course with permission of the Dean will receive a final grade of W or F at the discretion of the instructor of the course dropped.

2.10.7 - Repeat Coursework

Students cannot repeat course work in which they have received a passing grade (A,B,C, or S). Exceptions can be made for student's receiving a C grade if the program requires a grade of A or B in a specific course. A request from the program must be approved by the Graduate Dean. Both the original grade and the repeat grade will be included in the calculation of the graduate GPA.

2.10.8 - Transfer Credit

The acceptance of transfer credit from another institution for a graduate degree program at the University of Oklahoma Health Sciences Center is determined in accordance with the criteria as outlined in the Master's, Doctoral and Certificate Programs section of this bulletin.

2.10.9 - Grade Point System

Each hour of A, B, C, D, and F carries a grade point value as follows: A-4, B-3, C-2, D-1 and F-0. Grades of S, I, X, U, and W carry no grade point value and are not included in the computation of a student's semester or cumulative grade point average.

2.10.10 - Correcting Grades Reported in Error

The instructor initiates the change by filing a Faculty Request for Grade Change form with the Office of Admissions and Records through the college under which the course was taught.

2.11 - Standards of Performance and Evaluation

2.11.1 - Graduate College Standards

The Graduate College is responsible for review of the performance of graduate students in accordance with the guidelines described in this bulletin. The Graduate College monitors the students' academic progress and at the end of each semester or summer session notifies students about their status if they fail to meet the standards of performance required by the Graduate College.

All graduate students, regardless of admission status, are required to maintain a grade point average of 3.00 or greater in all graduate course work completed. If a student's academic record includes enrollment in more than one graduate degree and/or certificate program, the student must maintain a grade point average of 3.00 or greater in each program. The total number of credit hours of C grade which can be applied toward a graduate degree and/or certificate cannot exceed 25 % of the total letter graded course work required for the degree and/or certificate

2.11.2 - Academic Probation

Students who fail to maintain an overall grade point average of 3.00 in all graduate courses attempted will be placed on academic probation. Students will also be placed on probation if they fail to maintain satisfactory progress as determined by their annual evaluation or in receiving the grade of U in 5980 or 6980. Instructors and mentors are expected to notify the student of any impending U grade and plan remedial action well before the end of the semester.

Students placed on academic probation for low GPA will be evaluated at the end of each subsequent semester. The probationary status will remain until the student raises their overall graduate GPA to 3.00 or higher. The probationary requirements must be completed within 9 credit hours of graded graduate course work or one calendar year from being placed on probation, whichever comes first. This is the probationary period, during which students must demonstrate satisfactory progress in improving their cumulative grade point average. Students placed on probation for a grade of U in 5980 or 6980 or for failure to maintain satisfactory progress will be evaluated at the end of the following semester. The grades of D, F, or U may be grounds for dismissal prior to completing the probationary period.

At the end of the probationary period, students who achieve a 3.00 cumulative grade point average and/or regain satisfactory progress will be returned to full or unclassified status and will be allowed to continue their enrollment. Those who fail to achieve a cumulative grade point average of at least 3.00 for all courses awarding grade points may be denied further enrollment after this probationary period. If students merit an extension of the probationary period, the extension will be considered a second probationary period and the time limit will be specified by the Graduate Dean but may not exceed two consecutive academic terms.

If a student fails to maintain a 3.00 grade point average and the rules require probation for a third time, the student will be denied further enrollment and will be dismissed from the Graduate College.

2.11.3 - Program Standards

Programs, departments or other academic units may have additional and more stringent criteria for evaluating their students' performance and progress and they may demand a higher level of performance than that required by the Graduate College. Under certain circumstances, a department or program unit may recommend dismissal of a student from a graduate program even though a 3.00 grade point average has been maintained. Grounds for dismissal include but are not limited to (1) failure to make timely progress toward the degree or (2) failure to perform in course work, qualifying examination, or research at an acceptable level in the respective department or program unit. These guidelines are stipulated in the departmental documents.

2.11.4 - Program Annual Review of Student Progress

Programs shall conduct an annual review and evaluation of their students' progress in meeting degree requirements. Each department shall establish a graduate student review procedure to coordinate and forward all reviews to the students and Graduate Dean. The review must be conducted by graduate faculty authorized to chair committees at the level of the students to be evaluated. Any exceptions to this requirement must receive prior written approval of the Graduate Dean. Annual reviews are to be conducted prior to the fall semester.

1. Criteria. The review may include, but is not limited to, considerations such as progress toward meeting conditions of admission; completion within the prescribed period of time of those courses in which the student has received the grade of I; completion of core course requirements; completion of research tool requirements; progress toward completing research requirements; timely filing of the prospectus; the general quality of research; and completion of the thesis or dissertation. The review also may encompass the student's broader scholarly capabilities and professional development.
2. Procedure. The Program will make this review annually and notify each student in writing of the student's progress and performance toward satisfying degree requirements. If there are deficient areas, the department must specify clearly what each student must do to receive a satisfactory evaluation and specify a time for a second review. A copy of this letter must be sent to the Graduate Dean. The Graduate Dean will review the student's total record and, if appropriate, the student will be placed on probation.
3. Second Review. The Graduate Dean and the Program will conduct a second review for all students placed on probation. In this second review, the Program will determine if (a) the student is making satisfactory progress; (b) the student's level of performance is unsatisfactory and the student is ineligible for further enrollment; or (c) the Program believes the student's progress is still unsatisfactory but wishes to petition the Graduate Dean to continue the student on probation for an additional semester or summer session. The student and the Graduate Dean will be notified in writing of the results of this second review. The Graduate Dean may either remove the student from probation, deny the student further enrollment, or continue the student on probation for an additional semester. When application of the above rules requires the student to go on probation a third time, the student will be denied further enrollment.

2.11.5 - Residence Requirements

The primary purpose of residence requirements is to encourage the educational and professional development of individuals seeking advanced degrees. The opportunity for the student to associate with the faculty and other students in the University community, to utilize the facilities on the campus, and to take advantage of a wide variety of cultural opportunities justifies a relatively extended campus stay. In addition, the University must be in a position to oversee the development of the candidate, especially during the formal preparation for the General Examination.

The student must be in residence at the University of Oklahoma and engaged in course work or research activities prescribed by the Program for at least two regular semesters. Exceptions are made for degrees provided by distance education through electronic media.

2.12 - Graduate Academic Appeals

The Graduate College hears all appeals involving qualifying examinations, comprehensive examinations, general examinations, 5980 (thesis) or (6980) dissertation courses and/or disagreements that may jeopardize the continued enrollment of the student in the Graduate College or graduate program, and other matters of controversy not specifically covered in the Student Handbook. Such appeals must be filed in writing and given to the Graduate Dean within 60 days of the time of action from which the dispute arose. Graduate students with grievances should immediately contact the Graduate College to obtain more details about the appeals procedure.

2.13 - Responsible Conduct of Research

All Graduate College students must receive training in [Responsible Conduct of Research](#). The level of training in Responsible Conduct of Research is dependent upon the degree program. Training for doctoral students must occur prior to enrolling in doctoral dissertation research. RCR training for thesis masters students must occur prior to enrolling in master's thesis research. For non-thesis master's students, training must occur prior to approval to take the comprehensive examination. Programs must submit a proposal to the Graduate College Responsible Conduct of Research Committee as to how their students will meet this requirement, and any changes must be approved by the Graduate College RCR Committee.

2.14 - Graduate Awards for Academic Excellence

One Outstanding Master's Thesis and one Outstanding Doctoral Dissertation Award are offered annually to reward excellence in research. Each Program has the opportunity to nominate one thesis and/or dissertation to compete for these prestigious awards. The Research and Graduate Student Affairs Committee of the Graduate Council selects these awards. Winners are presented a certificate and cash award at the OUHSC Campus Awards Ceremony.

The Graduate College and the Graduate Student Association annually sponsor the Graduate Research, Education, and Technology (GREAT) Symposium where graduate students and postdoctoral fellows present oral and poster presentations describing current original research projects. Travel grants and trophies are awarded for winning presentations.

The Graduate College awards the O. Ray Kling Award for Outstanding Graduate Student Leadership each year at the OUHSC Campus Awards Ceremony. This award is named in honor of Dr. O. Ray Kling, Dean of the Graduate College from 1990-2002. It is given annually to the graduate student who best embodies Dr. Kling's commitment to the hallmarks of graduate education at the University of Oklahoma Health Sciences Center. A committee named by the Dean of the Graduate College annually evaluates graduate students for this award based upon leadership among peers, service to students in the Graduate College, academic accomplishments, intellectual honesty and curiosity, and achievements in research.

2.15 - Graduation Ceremony

The official commencement for all graduating OU students is held on the Norman campus each spring. The Graduate College Convocation is held at OUHSC each Spring. Students should complete the graduation application at the time they enroll for their last semester; diplomas are awarded three times a year.. Additional information can be found in the Master's and Doctoral degree sections of this bulletin.

2.16 - Optional Practical Training for International Students (OPT)

International graduate students may request to receive [optional practical training \(OPT\)](#) after their graduate education. Graduate students are highly discouraged from starting their optional practical training (OPT) prior to completing their degree requirement. OPT status prohibits any type of student employment; therefore, a graduate student with OPT status may not hold a Graduate Assistant position and will no longer be eligible to receive a stipend or be eligible for a non-resident tuition waiver, and must pay tuition at the non-resident rate. In addition, once a graduate student has OPT status the graduate mentor is no longer required to pay the student's tuition, fees, or health insurance.

Any Graduate Assistant requesting OPT must meet with a member of the Graduate College; this meeting must include their dissertation mentor. This meeting will discuss the ramifications of choosing a specific date for the student to start their OPT. OUHSC [International Student Services](#) will not process a request for OPT for a Graduate Assistant without a signature from a member of the Graduate College approving the start date.

OPT does allow a student to hold a professional position; however, the student must receive written approval from the degree granting department and comply with all Graduate College academic policies outlined in the Graduate College Bulletin

2.17 - Graduate Student Travel Policy

A graduate student is both a student and researcher. The role the student assumes while traveling determines if it is a taxable student expense or a business expense. Specific guidelines for determination if travel is taxable by the government are found on the Graduate College webpage at [Student Travel Policy](#).

2.18 - Undergraduate Research Opportunities with HSC Mentors

2.18.1 - Students from OU Norman (Two Options)

College Credit: OU Norman undergraduate students may enroll in coursework that allows independent research with an OUHSC faculty member through intercampus enrollment. Credit hours earned are dependent upon hours spent on the OUHSC campus with the mentor. OUHSC courses will be listed on the Norman Campus student's transcript. The student and or faculty member from Norman communicates directly with an OUHSC mentor. Intercampus enrollment is processed by the OU Norman Enrollment Office. Courses available are:

BMSC 4990 Undergraduate Research; BMSC 3980 Undergraduate Honors Research (Honors Students Only).

No College Credit: Undergraduate students from OU Norman may participate in experiential research with an OUHSC mentor. The student and or faculty member from Norman communicates directly with an OUHSC mentor but does not enroll for course. No tuition is charged by OUHSC and no college credit is earned. Student agrees to follow OUHSC and laboratory policies and procedures.

2.18.2 - Students from External Institutions (Two Options):

College Credit: Undergraduate students enrolled at an accredited U.S. college must be accepted as an OUHSC Graduate College [Special Student](#) and may receive college credit with approval from the student's home institution. The student is responsible for OUHSC application fees, tuition, and fees and must agree to follow OUHSC and laboratory policies and procedures.

No College Credit: Undergraduate students from an accredited U.S. college or university may participate in [volunteer research](#) with an OUHSC researcher. No tuition is charged and no college credit is earned. Student agrees to follow OUHSC and laboratory policies and procedures.

2.19 - Summer Undergraduate Research Programs

The OUHSC Graduate College hosts four summer undergraduate research programs (SURPs) aimed at preparing and encouraging undergraduate students to pursue careers in biomedical research or health related sciences. These 9-week programs are designed to offer outstanding undergraduate students intensive, hands-on research opportunities in the laboratories of select OUHSC biomedical faculty mentors. These programs introduce students to the rigorous academic preparation required for biomedical research careers. Tuition is waived and a stipend provided, three hours college credit is earned and housing is provided. The three programs currently housed on the OUHSC campus are:

- The Summer Undergraduate Research Experience (SURE)
- The Native American Research Center for Health (NARCH) Student Development Program
- The IDeA Network for Biomedical Research Excellence (INBRE) Summer Research Program
- The Cancer Undergraduate Research Experience (CURE)

Detailed information on each program and application deadlines are found on the Graduate College website at [Summer Undergraduate Research](#).

3 - MASTER'S DEGREE PROGRAMS

3.1 - Master of Science Degree (MS)

The Master of Science (MS) degree is awarded in recognition of the successful completion of substantial post-baccalaureate study in a chosen field.

The master's degree requires the equivalent of no less than two semesters of satisfactory graduate work and such additional work as may be prescribed for the degree by the major department. The requirement for a thesis is determined by the department offering the degree. The thesis program consists of at least 30 credit hours, with no more than six semester hours for Research for Master's Thesis (course 5980) included in the 30 hours. The non-thesis program consists of at least 32 hours and a comprehensive examination. Students should consult specific departmental requirements found elsewhere in this bulletin. Credit hours previously presented and counted for one master's degree may not be applied toward satisfying the requirements of a second master's degree, with the exception of approved dual-degree programs.

When permitted by program policy, students who do not hold the master's degree in the doctoral field, have passed the General Examination for the doctoral degree, and do not plan to continue the doctoral program, may be awarded the appropriate master's degree provided they make formal application for the master's degree upon passing the General Examination, meet all program requirements, and secure the recommendation of the major department and approval of the Graduate Dean.

3.2 - Master's Dual Degrees Program

The generic dual degree program will permit students to select from already existing master's degree programs to officially pursue, when appropriate, two master's degrees simultaneously. This program allows students to tailor electives and areas of emphasis to meet their educational goals through the Health Sciences Center and the Norman campus. Students must be admitted to both programs before 12 credit hours of program work are completed in either program. All requirements for the degrees, including research tools, foreign languages, comprehensive examination, thesis, and deficiencies, must be met for both programs. Up to 20% of the total graduate credits required for both degrees may be double counted. The student must graduate with both degrees the same semester.

3.3 - Accelerated Dual Degree Program

The accelerated dual degree program establishes a framework of rules by which academic units may offer students the option of earning combined bachelor's and graduate degrees in an accelerated manner. The program allows students with 30 hours of advanced standing credit to earn both the bachelor's and the master's degrees within three to four years of matriculation. Interested applicants should contact the academic programs of interest to design a degree plan.

3.4 - Special Master's Degree Program

Because departmental majors do not always provide for the needs of students desiring unusual training or combinations of courses, consideration will be given to proposals for special programs of study leading to the master's degree. The guidelines given below must be followed in implementing this degree program:

1. The student must be admitted in full standing to a graduate program authorized by the State Regents to award a master's degree.
2. The student must submit to the Graduate Dean a written request for approval of a special program prior to the completion of the first 12 graduate hours of enrollment. The request must include: (a) a two-page rationale for the program; (b) a proposed degree designation; (c) proposed courses; and (d) a proposed thesis topic, if the thesis option is chosen. This request must be signed by three graduate faculty members who agree to serve as the student's Advisory Committee. The request will be referred to the Graduate Council.
3. If the proposal is approved by the Graduate Council, the statement submitted under (2) above will constitute the student's program of study. Request for changes must be submitted to the Graduate Dean.
4. The student's Advisory Committee will designate one of its members to be the major professor who will supervise the student in the program and chair the committee. The major field usually will be the program of the major professor and must be an area in which the University is authorized to award the master's degree.
5. The degree designation and the transcript will reflect the student's major field.
6. The Advisory Committee will be responsible for administering the comprehensive examination or approving the thesis, if the thesis option is chosen.

3.5 - General Master's Degree Requirements

3.5.1 - Transfer Credit for Master's Degrees

The acceptance of transfer credit from another institution for a master's degree at OUHSC is determined in accordance with the following criteria:

1. A maximum of 25% of the minimum number of credit hours required for the master's degree may be transferred from other institutions. Eight transfer hours may be accepted in a 30-hour program.
2. An exception to the 25% limit on transfer credit is made for courses taken from an accredited institution through electronic media approved in advance by the department and Graduate College. Residence credit is granted for graduate level coursework taken via electronic media when taught by a member of the University of Oklahoma graduate faculty. A student working toward a graduate degree may be permitted to apply credit earned from other accredited institutions via electronic media in an amount not to exceed 50% of his/her total degree program. In no instance can the total number of credit hours transferred including electronic media, exceed 50% of the degree program.
3. The coursework transferred must represent valid graduate credit earned in graduate level courses from an accredited college or university. Credit earned by advanced standing will not apply toward a graduate degree.
4. The credit must carry a grade of A, B, or S.
5. The credit must be applicable to the degree program.

6. The transfer credit must not be more than six years old at the time of admission to the degree program. In special cases, credit more than six years old may be transferred if recommended and validated by the program and approved by the Graduate Dean. The departmental procedures to validate the student's current knowledge and competency must have the approval of the Graduate Dean.
7. Credit from a professional degree program such as the MD, DDS or DVM may be applied toward a graduate degree as transfer credit, provided that such courses carry a grade of A, B, or S and have been approved for graduate credit by the academic institution of origin.
8. Graduate coursework completed at OU Norman and OU Tulsa is considered residence credit. Upon approval of the department and the Graduate Dean, these hours may be used without limitation as credit toward a master's degree.
9. Credit hours previously presented and counted for one master's degree or certificate may not be applied toward satisfying the requirements of a second master's degree or certificate with the exception of approved dual degree programs.
10. All transfer coursework must be approved by the department and the Graduate Dean. Departments with transfer rules more stringent than those listed in this section shall take precedence and will be listed in the programs section of this bulletin
11. Transfer credit is considered neutral in computing the University of Oklahoma grade point average for the purpose of determining academic status, probation, and graduation.

3.5.2 - Time Limits for Completing Master's Degrees

A student registered in a master's degree program typically will complete work within six calendar years after the student's first graduate enrollment at the University of Oklahoma Health Sciences Center. Programs with shorter time limits have so indicated in the section of this bulletin that refers specifically to their program.

When additional time is necessary and appropriate, the student and advisor will petition the student's program for an extension. The extension may be denied, in which case the student will be dismissed, or it may be granted with qualification. The program must inform the student, advisor, and Graduate Dean of its decision in writing. If the extension exceeds one year, approval by the Graduate Dean is required. Extensions needing approval by the Graduate Dean will require that the department or program unit certify that the student's knowledge will be current and appropriate to the degree at the time the degree is awarded.

Graduate credit taken at the University of Oklahoma or at another accredited university that is to be applied toward a master's degree may not be more than six years old at the time of admission or readmission to the Graduate College. No more than one-quarter of the credit hours (transfer credit and residence credit) applied toward a master's degree can be more than six years old at the time of graduation.

A student's registration in a master's degree program is terminated upon receiving the degree. To continue studies in the Graduate College, re-application in another graduate degree program or as a special student must be made and approved.

3.5.3 - Outline of Graduate Work

Students are required to file an [Outline of Graduate Work](#) within the first year of graduate study. This form serves as the student's guideline for courses needed to complete degree requirements. Once filed, any changes in the Outline of Graduate Work must be explained and documented in writing and consistent with the Admissions to Candidacy form.

3.5.4 - Admission to Candidacy

Students who are doing satisfactory graduate work may normally be admitted to candidacy for a degree as soon as they have enrolled in sufficient hours for the degree. The [Admission to Candidacy](#) form available from the Graduate College should be filed with the Graduate College at the beginning of the semester in which the student expects to graduate. (Consult the academic calendar for the specific deadline.) Also, at the time the Admission to Candidacy is filed with the Graduate College students should obtain instructions governing the completion of coursework, graduation and thesis preparation, if applicable.

3.5.5 - Selection of the Thesis Committee and Topic

A master's thesis is the product of the candidate's research endeavor. It should be original in the field and must be original for the student. A student writing a thesis should choose a topic and a thesis committee consistent with procedures established by the sponsoring program. The committee must consist of a major professor and at least two other OUHSC or OU Norman graduate faculty members as approved by the Graduate Dean. It is the responsibility of the student to ensure that approval, if appropriate, has been granted from all regulatory offices, i.e., Institutional Review Board for use of human subjects, Institutional Animal Care and Use Committee for use of animals, etc.

3.5.6 - Continuous Enrollment Requirements for 5980

Initial enrollment in 5980, Research for Master's Thesis, must be for at least two hours. Subsequently, each graduate student must maintain continuous enrollment during each semester in at least two hours of 5980 until the requirements for the degree are completed or candidacy for the degree is terminated. Enrollment in 5980 during the summer session is required if work is being done on the thesis.

The continuous enrollment requirement will be waived for a student who is not working on the thesis but enrolled in full-time coursework. However, if thesis work is being done, a student must enroll in 5980 regardless of the number of other hours of enrollment. Exceptions to the continuous enrollment requirement will be considered on an individual basis by petition to the Graduate Dean.

The faculty advisor will determine the number of 5980 credit hours for each enrollment on the basis of the amount of faculty and University services and resources required by the individual student, but each enrollment will be for two or more hours. A student working full time on the thesis and using University facilities should be enrolled as a full-time student during regular semesters and the summer session. See the Enrollment section in this bulletin for information on full-time enrollment requirements. Such enrollments must be completed during the regular registration period.

An enrollment of less than full time requires the signature of the student's major department chairperson as well as the faculty advisor.

A graduate student who does not comply or has not complied with the enrollment provisions above must enroll during the semester in which graduation is expected in the exact number of hours of 5980 that would have been completed under continuous enrollment. In addition, a late enrollment fee must be paid for each of those semesters. The Graduate College and the Office of Admissions and Records shall determine the number of hours of 5980 in which the student must enroll during the final semester of the degree program.

3.5.7 - Thesis Reading Copy

The master's candidate should prepare and distribute reading copies of the thesis to each committee member. The reading copy should be in an acceptable format and must include all figures and tables, numbered pages and a complete bibliography. It is the responsibility of the candidate to ensure the thesis format complies with the Graduate College standards as defined in the "[Guidelines For the Preparation of the Master's Thesis and Doctoral Dissertation](#)".

When the reading copy has received preliminary approval of the major professor, it should be submitted to the Graduate College along with a memorandum from the major professor indicating approval of the reading copy and listing the members of the reading committee. If a tentative defense date has been scheduled, it may be indicated in the memorandum from the major professor. Reading copy deadlines are printed on the Academic Calendar for each semester found on the [Admissions and Records website](#).

Students must submit their reading copy to the Graduate College as a PDF document. The committee will read and determine whether the thesis demonstrates the student's discipline. They may accept or reject it. If rejected, the student will be given another opportunity to submit an acceptable thesis to the committee and the Graduate College. If they accept it, they may require changes and corrections.

When the thesis is acceptable and a degree check indicates the student has completed all course work with acceptable grades, the student may schedule the final oral defense.

3.5.8 - Defense of the Thesis

At least 10 working days prior to the defense of the thesis, the chair of the student's committee must send a memorandum including a list of all committee members, the date of the defense, and a [Request for Thesis Defense](#) form to the Graduate College.

The defense may be oral, written, or a combination of oral and written. It may be restricted to the defense of the thesis and/or cover the coursework required for the degree. Advances in electronic media have made it possible for the oral defense to be held without the presence of every member at the same location. The Graduate College must be notified of remote participation in advance of the defense. The student, the committee chair, and a majority of thesis committee members must be physically present at the same location. Other committee members may participate remotely via audio or video conference. Nevertheless, the integrity and significance of the oral examination process must not be compromised by the absence of a sound committee. Copies of electronic signatures for committee members who have been approved to participate remotely will be accepted on the Authority Report Form for the Thesis Defense. Original signatures from all members are required on the final thesis signature page.

Within 72 hours after the thesis defense, the authority form must be returned to the Graduate College with the results and signatures of all committee members. A unanimous vote concerning the candidate's performance in defending the thesis is expected; however, some dissenting votes may be cast. If one member dissents, a minority report must be filed with the Graduate Dean. If the committee consists of three members of whom two dissent, the performance is graded as unsatisfactory. If the committee consists of more than three members and two dissents, a minority report must be filed and the Graduate Dean will investigate. The Dean's decision will be final. If more than two members cast an unsatisfactory vote, the defense is to be graded unsatisfactory.

Only one attempt is afforded the candidate in defending the thesis. If the defense is graded unsatisfactory, this decision is final and the defense cannot be repeated. Courses taken prior to failing the thesis defense can count for no more than 25% of the credit hours required for a master's degree at the University of Oklahoma Health Sciences Center. These courses must be applied to an academic program other than the one in which the student failed the defense. The student must gain admission to a different program and have the permission from that department and the Dean of the Graduate College to include any courses used for the previous graduate program.

3.5.9 - Time Limit for Depositing Thesis in the Library

Students must submit their thesis in electronic format to the Graduate College through the [OUHSC ProQuest Administrator](#). After approval by the Graduate College and the student's mentor, the final copy is uploaded to the OUHSC University Library through ProQuest database. A paper copy of the thesis signature page containing original signatures of the thesis committee or digital signatures of the thesis committee must be submitted to the Graduate College.

The thesis must be delivered to the Graduate College within 60 calendar days of the final defense. Students planning to graduate in a particular semester must meet specific academic deadlines and may not have 60 calendar days available. University graduation deadlines are listed in the [OUHSC Academic calendar](#), and see Section 3.6 below.

Failure to submit the final copy within 60 days will cause the results of the defense to be set aside, whereupon the student must offer the Graduate College a new reading copy of the thesis that carries preliminary approval of the major professor. When the committee has accepted this new reading copy, the student may schedule the defense of the thesis, according to the policies and procedures defined above.

It is essential that all thesis candidates make themselves responsible for the complete and accurate collation of their materials before turning them in to the Graduate College. If utilizing copyrighted material in the thesis, students must obtain permission from the holder of the copyright for such reproduction; without permission, the author of the thesis is liable to prosecution once the thesis has been made a published document.

The student must complete and submit the form "[Permission to use Published Materials in Dissertation/Thesis](#)" available on the Graduate College website under [Current Students/Forms and Guidelines](#).

3.5.10 - Comprehensive Examination for Non-Thesis Master's Students

A comprehensive examination is required of all non-thesis degree candidates seeking a Master of Science degree. At the option of the department, the examination may be written, oral, or a combination of written and oral. Authority to take the Comprehensive Examination must be requested from the Graduate College. The chairperson of the committee must send a memorandum requesting Authority to administer the Comprehensive Examination at least 10 working days prior to the scheduled examination. The [Request for the Master's Comprehensive Examination](#) form must list the examination committee consisting of at least three members of the Graduate Faculty and the requested time and location of the examination.

The examination may be individualized to the student's coursework/program of study or may be a standardized examination for all students in the program. The examination should be scheduled during the semester of the student's final enrollment in coursework. The Authority for the Comprehensive Examination form will be issued if the student has filed an [Admission to Candidacy form](#), is in good academic standing and enrolled in at least two graduate credit hours during the semester the examination is to be taken. All degree requirements are expected to be completed the semester the Comprehensive Examination is administered. Degree completion more than one semester following the Comprehensive Examination may require a second Examination.

Within 72 hours after the examination is complete, the authority form must be returned to the Graduate College with the results and signatures of all committee members. If the comprehensive examination is failed, a report must be submitted to the Graduate College indicating whether the student may repeat the examination. This report must also outline the student's deficiencies. A student who fails a second time will no longer be eligible for a master's degree in the academic program in which the examination was failed.

Courses taken prior to failing the comprehensive examination for a second time can count for no more than 25% of the credit hours required for a master's degree at the University of Oklahoma Health Sciences Center.

3.6 - Graduation Deadlines

The date of Graduation for each term shall be the last day of final examination in the fall, the date of commencement in the spring, and the last day of classes in the summer. To entitle a student to graduate as of that date, all work required for the degree (this includes the depositing the thesis/dissertation in the library and payment of tuition and fees) must be completed prior to the first day of classes of the next semester or summer session. If the student has not completed all the requirements, the student will become a graduate the following semester. It is the student's responsibility to make sure all degree requirements have been met.

The following deadlines apply:

1. **Current Semester Graduate:** All documents (including dissertation final copy) must be to the Graduate College office by 5 PM on the last working day prior to the beginning of the upcoming semester.
2. **Upcoming Semester Graduate Without Enrollment:** All documents (including dissertation final copy) must be to the Graduate College office by 5 PM on the last working day to enroll for the upcoming semester.
3. **Upcoming Semester With Required Enrollment:** Monday after the final day to add a class, the student must become a graduate of the upcoming semester and must [enroll in 2 hours](#) of 5980.

3.7 - Master's Degree Thesis Timeline/Checklist

[MASTER'S DEGREE THESIS TIMELINE/CHECKLIST](#)

3.8 - Master's Degree Non-Thesis Timeline/Checklist

[MASTER'S DEGREE NON-THESIS TIMELINE/CHECKLIST](#)

4 - DOCTORAL DEGREE PROGRAMS

4.1 - Doctor of Philosophy Degree (PhD)

The Graduate College awards the doctoral degree for excellence in research and scholarship, not merely because the student completes a program of courses or spends a given time in its pursuit. The doctorate signifies the attainment of independently acquired and comprehensive knowledge and attests to the general professional competence of the recipient. The Graduate College of the University of Oklahoma Health Sciences Center normally grants a doctoral degree only to individuals who do not already hold a PhD or similar graduate degree.

A student should expect to spend a minimum of four full academic years beyond the bachelor's degree. During this period the student shall take adequate course work, successfully complete the general examination, and successfully defend the results of original research presented in a dissertation.

The minimum required number of semester hours for the doctoral degree, combining both formal courses and hours of research is 90 post-baccalaureate hours. Up to 6 hours of 5980, Research for the Master's Thesis, may be included in the 90 hours.

After admission to the Graduate College, students become prospective candidates at the discretion of their Advisory Conference Committee. Full candidacy is granted only upon successful completion of the General Examination.

Students who finish a master's degree cannot continue graduate study unless they are admitted into a doctoral program by the recommendation of a program and approval of the Graduate Dean.

4.2 - Accelerated Dual Degree Program

The accelerated dual degree program establishes a framework of rules by which academic units may offer students the option of earning a combined bachelor's and graduate degree in an accelerated program. The program allows students with 30 hours of advanced standing credit to earn both the bachelor's and the master's degrees within three to four years of matriculation and the bachelor's and PhD degrees in as short a period as five years from matriculation. Interested applicants should contact the academic programs of interest to design a degree plan.

4.3 - Specialization in Neuroscience

Neuroscience by its very nature is an interdisciplinary, collaborative area encompassing many different disciplines including cell biology, physiology, biochemistry and pathology, as well as clinical neuroscience. Students may elect to receive a doctoral degree in neuroscience or a specialization in neuroscience. To receive a specialization in neuroscience, a student must be admitted to a degree-granting program at the Health Sciences Center or Norman campus. Students who complete the neuroscience specialization requirements will receive a designation of "Specialization of Neuroscience" upon completion of the PhD degree.

4.4 - MD/PhD Degree Program

Applicants wishing to combine studies for the MD and PhD degrees must be accepted into the MD degree program and into a doctoral degree program. This is a combined degree program between the College of Medicine and Graduate College. Students accepted into the program complete the first two years of medical school, enter a graduate program completing a Doctor of Philosophy degree, then complete the last two years of medical school.

4.5 - Interdisciplinary Doctoral Program

A nontraditional program may be selected by students who do not choose to specialize in one of the prescribed program areas. The authority for designing and awarding an interdisciplinary doctoral degree is vested with the Graduate Council. This does not imply the relaxation of standards and levels of performance. It frees the candidate from the need to satisfy specific degree requirements of a department or unit which may not be particularly relevant to the program of study desired by the candidate. This determination is made by an Advisory Committee and the Graduate Council.

Because regular departmental programs usually require some course work in related areas, these programs must be defined so that they differ from conventional departmental programs. To this end, an interdisciplinary program is defined as one in which the candidate takes less than the normal number of courses required for a doctoral student in the disciplinary program but may require more didactic coursework than for the traditional doctoral degree. The procedures for candidacy and for earning a doctoral degree in an Interdisciplinary program are:

1. The candidate must apply and be admitted to a graduate program authorized by the State Regents to grant the doctoral degree. Admission to the graduate program does not necessarily imply subsequent acceptance into an Interdisciplinary program.
2. To be admitted into the Interdisciplinary program, the candidate must submit a petition to the Graduate Dean consisting of: a statement justifying the need for investigation in the proposed area; a list of courses to be included in the program of study; how this program significantly differs from existing programs; a research proposal; and a statement about the program from the proposed members of the Advisory Committee.
3. The Graduate Dean, or a person designated by the Dean, is an ex-officio member of the Interdisciplinary Advisory Committee. The Graduate Council must approve the rationale, courses, and members of the Advisory Committee. The Graduate Council may require the student and the student's mentor attend a Graduate Council meeting and defend the program of study. Any changes in an approved program must be authorized by the Graduate Dean.
4. The majority of the graduate courses leading to the Interdisciplinary degree must be taken in departments or units authorized to offer the doctoral degree. Credit received for research for the doctoral dissertation may not be used to meet the preceding requirements.
5. For the Interdisciplinary program, the degree granted will bear the name of the program in which most of the candidate's courses are taken, for example, Physiology/ Interdisciplinary.
6. Subsequent procedures follow the rules of the Graduate College, except that the Advisory Committee is not constrained to follow the specific degree requirements of a particular department or unit.

4.6 - General Doctoral Degree Requirements

4.6.1 - Transfer Credit for Doctoral Programs

The acceptance of transfer credit from another institution for a doctoral degree at OUHSC is determined in accordance with the following criteria:

1. A maximum of 44 semester hours from individual courses and/or a completed degree may be applied toward a doctoral degree. Exceptions can be made for additional non-OU coursework taken by electronic media, following enrollment in an OUHSC doctoral program.
2. The coursework transferred must represent valid graduate credit earned in graduate level courses from an accredited college or university.
3. The credit must carry a grade of A, B, or S.
4. The credit must be applicable to the degree program.
5. Individual courses applied must not be more than six years old at the time of admission to the degree program. In special cases, credit

more than six years old may be transferred if recommended and validated by the department and approved by the Graduate Dean. The departmental procedures to validate the student's current knowledge and competency must have the approval of the Graduate Dean.

6. A completed master's degree, all of which is to be used, may be applied toward a doctoral degree regardless of age, if approved by the department/program and the Graduate Dean. The total number of credit hours transferred toward the PhD degree cannot exceed 44 semester hours.
7. Credit from a professional degree program such as the MD, DDS, or DVM degree may be applied toward a graduate degree as transfer credit, provided that such courses carry a grade of A, B, or S and have been approved for graduate credit by the academic institution of origin.
8. Graduate coursework completed while a student is in a doctoral degree program at the University of Oklahoma Norman or OU Tulsa Campuses will be considered as residence credit, and upon approval of the department and the Graduate Dean, may be used without limitation as credit toward a doctoral degree.
9. Credit hours previously counted for one doctoral degree may not be applied toward a second doctoral degree. No more than six hours of transfer thesis research credit from a completed master's degree may be applied toward a doctoral degree.
10. Credit by correspondence or by advanced standing examination will not apply toward a graduate degree.
11. Graduate coursework taken in Tulsa from the University of Oklahoma is not considered transfer credit. OSU Tulsa consists of five cooperating universities that provide undergraduate and graduate level courses as well as some degree programs. Credit taken from the other cooperating universities through OSU Tulsa is considered transfer work and must comply with the transfer policies.
12. All transfer coursework must be approved by the program and by the Graduate Dean. Programs with transfer rules more stringent than those listed in this section have specified them in Section 5 of the bulletin. These more stringent rules take precedence over the general rules described in this section.
13. Procedures for application of transfer credit may be found in the [Policies and Procedures](#) page of the website.

4.6.2 - Grade Point Average Computation

Transfer credit is considered neutral in computing the University of Oklahoma grade point average for the purpose of determining academic status, probation, and graduation.

4.6.3 - Time Limits for Completing Doctoral Degree

A doctoral student who enters the OUHSC Graduate College with a bachelor's degree is expected to pass the General Examination within five calendar years of the student's first graduate enrollment in the department and a student who enters with a master's degree is expected to pass the General Examination within four calendar years of the student's first graduate enrollment in the program.

A doctoral candidate is normally expected to complete all the degree requirements within five years after admission to candidacy. Programs with shorter time limits have so indicated in Section 5 of this Bulletin. Extensions greater than one year need the approval of the Graduate Dean and will require that the department or program unit involved certify that the student's knowledge will be current and appropriate to the degree at the time the degree is awarded. The procedure to be used for this determination must be approved by the Graduate Dean.

Individual graduate courses, not applied toward a previous graduate degree, taken at the University of Oklahoma or at another accredited university that is to be applied toward a doctoral degree must not be more than six years old at the time of admission or readmission to the Graduate College. No more than 23 credit hours (transfer credit and resident credit) applied toward a doctoral degree can be more than nine years old at the time of graduation for students entering with a master's degree or ten years old for students entering with a bachelor's degree.

4.6.4 - Responsibilities of the Graduate Program or Academic Unit

Each department or academic unit offering the doctoral degree is responsible for its graduate program. The Program determines how it shall function and how it shall exercise the powers delegated to it. These determinations shall include how many hours of course work constitute a minimum for the degree, what proportion of the work toward the degree is to be devoted to research, and the role of the dissertation. Further, each department or unit shall make its own rules regarding the time its students may spend, or work they may do, other than toward the degree itself, in classroom, laboratory, research assistance, or instruction.

Research proficiency is based in part on the development of attitudes and skills, which vary considerably from one field to another. The faculty for each program is responsible for requiring that their doctoral candidates demonstrate proficiency in those skills deemed necessary for successful research performance. For example, a faculty may require its students to demonstrate particular technical competencies.

Each program offering the doctoral degree will decide the time and means of certifying prospective candidacy and will formally notify the Graduate College when a student has completed all the requirements to be nominated as a prospective candidate. The Graduate Dean will admit the student to candidacy.

4.7 - The Advisory Committee

Each Graduate Program unit will establish a Graduate Education Advisory Committee in such a way that the related areas within the program are represented. A minimum of three Graduate Faculty members should comprise the Advisory Committee with the majority authorized to chair a doctoral committee. The membership of the committee must be approved by the Graduate Dean.

The responsibilities of this committee will be to:

1. Advise, encourage, and act as an advocate for students from the first day a student is in the program. This should include regularly scheduled meetings with the student through the completion of the general examination and until the dissertation advisor is selected;
2. Design an appropriate curriculum for each student;
3. Work with the student to complete and file with the Graduate College a plan of study ([Report of the Doctoral Advisory Conference](#)). This

report should be filed no later than the end of the student's first year in the program. The Committee should be sure that the student understands that the program may need to be modified or additional work may be necessary, depending on the choice of the dissertation advisor and dissertation topic;

4. Coordinate the administration of the General Examination at the appropriate time;
5. Perform an annual evaluation of each student's progress toward the degree and communicate the results of the evaluation to the student and the Graduate Dean; and
6. Help the students select an appropriate dissertation advisor.

4.8 - The General Examination

Students should apply for the General Examination when the course work and any tools of research as described in the Report of the Doctoral Advisory Conference are almost complete. The examination is intended to test the student's mastery of a number of related fields as well as the student's ability to synthesize, integrate, generalize, and expand upon all knowledge gained prior to the examination. Students should expect that material included in this examination will go beyond the subject matter covered in any individual course.

Each graduate program will develop clearly defined guidelines for the General Examination including:

1. When the examination will be administered within the student's outlined program;
2. The structure and format for the examination (must include a written portion);
3. The procedure for evaluating the examination; and
4. The procedure available for students to receive consultation and evaluation of their performance on the examination.

These guidelines must be approved by the Graduate College and any changes to the guidelines for the General Examination must be submitted to and approved by the Graduate Dean.

The student submits to the Graduate College the [Application for the General Examination](#) at least 10 working days prior to the start of the examination.

The application must contain the names and signatures of the student's General Examination Committee. The General Examination Committee must be composed of five Graduate Faculty members with the majority authorized to chair a doctoral committee. The application must be approved by the student's graduate program as documented by the signature of the graduate liaison or program director.

Upon submission to the Graduate College the application must be approved by the Graduate Dean. The student may not begin the General Examination until their graduate program receives notification that the Graduate Dean has approved their Application for the General Examination. Any General Examination taken without approval of the Graduate College must be repeated.

Advances in electronic media have made it possible for the oral component of the General Exam to be held without the presence of every member at the same location. The Graduate College must be notified of remote participation before the oral component. The student, the committee chair, and the majority of General Examination Committee must be physically present at the same location for the oral component of the General Examination. Other committee members may participate remotely via audio or video conference. Nevertheless, the integrity and significance of the oral examination process must not be compromised by the absence of a sound committee.

Within 72 hours following completion of the General Examination, the chair of the General Examination Committee must submit to the Graduate College a written report signed by all members of the examination committee indicating whether the student passed or failed the examination. Copies of electronic signatures for committee members who have been approved to participate remotely will be accepted.

A unanimous report from the General Examination Committee is expected; however, on occasion committee members may dissent. If one committee member dissents the dissent is recorded. If two committee members dissent the dissent is recorded, a minority report must be filed, and the Graduate Dean will investigate and make the final decision on the General Examination. If more than two committee members dissent, the General Examination is judged to be a failure.

Upon notification that the student has successfully passed their General Examination and a request has been made to the Graduate Dean for admission to candidacy, the student is eligible to enroll in dissertation research hours (6980). The student must be eligible for candidacy by the final date to enroll in order to enroll in dissertation research hours (6980) for that semester.

If a student fails either the written or oral portion of the General Examination the examination is considered a failure. Students have the option of taking a second General Examination if they fail the first attempt. The Chair of the General Examination Committee must provide the student with a critique of the failed exam; describe any further coursework, reading, etc. that the student is required to do prior to taking the second examination; and the proposed time for completion of the second General Examination. This must be provided as a written document to the student and a copy provided to the Graduate College Dean within 7 working days of the failed General Examination.

To take a second General Examination the student must submit a new Application for the General Examination to the Graduate College following the above procedures. The second General Examination must be scheduled no later than one academic year after failure of the first exam. Failure of the General Examination for a second time will result in dismissal from the doctoral program.

4.8.1 - Terminal Master's Degree

Effective for students entering doctoral programs from fall 2009, a doctoral student may request to change their major to a terminal master's degree. Matriculated doctoral students changing to a terminal master's degree must complete the requirements for a thesis or non-thesis master's degree to be awarded a master's degree as described in the Masters Programs portion of the Graduate College Bulletin. Students changing to a terminal master's degree may not enter the same doctoral program at a later date.

Policy after Successful Completion of the General Exam:

When permitted by departmental policy, effective for students entering doctoral programs from fall 2009, students who do not hold the master's degree in the doctoral discipline may apply for the master's degree if they have passed the General Examination for the doctoral degree, have met the departmental requirements for the non-thesis master's degree, and have the recommendation of the major department. Upon approval by the Graduate Dean, the student will be awarded the terminal master's degree.

Policy After Failure of the General Exam:

Effective for students entering doctoral programs from fall 2009, students who have failed the general examination and do not hold the master's degree in the doctoral discipline may request to change their major to the master's degree program. Students in graduate programs that offer a thesis master's degree must complete the requirements for a thesis master's degree to be awarded a master's degree. For students in graduate programs that offer a non-thesis master's degree the program may allow the student to apply to take the master's comprehensive examination if they have otherwise met all of the departmental requirements for the master's degree, and have the recommendation of the major department. Courses taken prior to failing the general examination may count for no more than 50% of the credit hours required for a master's degree in a different discipline at the University of Oklahoma Health Sciences Center. Furthermore, the courses must have been taken within six years of the student's admission to the master's degree being sought. The student must be admitted to the master's degree program and have permission from that department and the Graduate Dean to include the courses.

4.9 - Non-terminal Master's Degree

Students in graduate programs that offer a thesis master's degree must complete the requirements for a thesis master's degree to be awarded a master's degree while progressing to a doctoral degree; materials presented in the master's thesis may not be included in the student's doctoral dissertation. The request to obtain a master's degree must be made no later than the next semester after passing the General Examination. The student must file an Admission to Candidacy form for the master's degree and pay the appropriate graduation fees. Transfer credit can only be applied once to a succeeding degree.

4.10 - The Doctoral Committee

The student's Doctoral Committee will be established by the Advisory Committee in coordination with the student and the dissertation advisor and with approval by the Graduate Dean. This committee will consist of at least five members with the majority from the program and with at least one member from outside the program. OU Norman graduate faculty at appropriate level may serve as the outside member without seeking an OUHSC graduate faculty appointment. The committee must be constituted so that no more than two members do not have authority to chair doctoral committees. If the Graduate Faculty appointment level of a doctoral committee member changes, the Graduate College will honor the appointment level at the time the committee was approved.

This committee must be appointed no later than the time that the General Examination is successfully completed. Any changes in the membership of the Doctoral Committee must be done in consultation with the student and approved by the remaining members of the Committee and the Graduate Dean. The Graduate Dean may exercise the prerogative of appointing an additional voting representative of the Graduate College. If the representative is appointed later than one semester prior to the time of the General Examination, he or she will serve as a non-voting member of the Committee.

The functions of this committee will be to:

1. Guide the student in the selection of an appropriate dissertation topic and in the research design and methodology for the dissertation;
2. Approve the student's research plan or prospectus;
3. Advise and assist the student with specialty information necessary to design and complete the dissertation research project;
4. Perform an annual evaluation of the student's progress toward the degree and communicate the results of the evaluation to the student and the Graduate Dean;
5. Read and correct the drafts of the dissertation to ensure that appropriate standards are met; and,
6. Administer the dissertation defense.

This [Request for Approval of Doctoral Committee](#) form is available on the Graduate College website.

4.11 - The Doctoral Dissertation

The doctoral dissertation is the final and most important component of the series of academic experiences, which culminates in the awarding of the doctoral degree. Three major functions are fulfilled by the dissertation experience: (1) it is a work of original research/scholarship that makes a contribution to existing knowledge; (2) it demonstrates the candidate's mastery of research methods and tools of the special field; and (3) it demonstrates the student's ability to address a significant intellectual problem and to arrive at a successful conclusion.

Aided by the dissertation advisor, the student should promptly select a dissertation topic. It is the responsibility of the student to ensure that approval, if appropriate, has been granted from all regulatory offices (IBC, IRB, IACUC, etc). After the General Examination, most of the student's time will be devoted to research and writing the dissertation. The student must enroll in enough hours of Research for Doctor's Dissertation (course 6980) to satisfy the requirement of the program and to meet the minimum 90-hour requirement of the Graduate College.

[Thesis/Dissertation guidelines](#) are found on the Graduate College website.

4.11.1 - Requirements for Enrolling in Dissertation Research

The initial enrollment in 6980 (Research for Doctoral Dissertation) must be for at least two hours and only students who have completed the General Examination and have been admitted to candidacy by the final date to enroll for the upcoming semester may enroll in 6980.

Subsequently, each doctoral student must maintain continuous enrollment in at least two hours of 6980 during each term until the requirements for the degree are completed.

4.11.2 - Dissertation Reading Copy

The doctoral candidate should prepare and distribute reading copies of the dissertation to each doctoral committee member. The reading copy should be in an acceptable dissertation format and must include all figures and tables, numbered pages, and a complete bibliography.

It is the responsibility of the student to assure that the dissertation format complies with the Graduate College standards as defined in the "[Guidelines for the Preparation of the Master's Thesis and Doctoral Dissertation](#)." When the copy has received preliminary approval of the major professor, it should be submitted to the Graduate College along with a memorandum from the major professor indicating approval of the reading copy and listing the members of the reading committee. Reading copy deadlines are printed in the Academic Calendar for each semester. Students must submit their reading copy as a PDF.

The Graduate Dean will direct the committee to read and determine whether the dissertation demonstrates the student's discipline. They may accept or reject it. If they reject it, the student will be given another opportunity to submit an acceptable dissertation to the committee and the Graduate College. If they accept it, they may require changes and corrections. When the dissertation is in an acceptable format to the Graduate College and a degree check indicates the student has completed all course work with acceptable grades, the student may schedule the final oral examination.

4.11.3 - Final Oral Examination-Dissertation Defense

The final oral examination is a defense of the dissertation and is open to the public. The student must be enrolled for at least two hours in the semester he/she is to take the final oral examination. Any changes in the doctoral committee must be approved by the Graduate Dean. The Graduate Dean may exercise a prerogative and appoint an observer for the Graduate College who would not be a voting member.

At least 10 days before the defense, the candidate must submit to the Graduate College an Announcement for the Final Exam and an abstract of no more than 350 words. The [Dissertation Defense Announcement form](#) and [Committee Approval of Defense Date](#) are located on the Graduate College website under Current Students\Graduate Student Forms. Authority for the Defense of the Doctoral Dissertation and other forms are mailed to the student's major professor before the final oral exam. All members of the committee must sign the form and signify whether the examination was satisfactory or unsatisfactory.

Advances in electronic media have made it possible for the oral defense to be held without the presence of every member at the same location. The Graduate College must be notified of remote participation in advance of the defense. The student, the committee chair, and the majority of the dissertation committee must be physically present at the same location. Other committee members may participate remotely via audio or video conference. Nevertheless, the integrity and significance of the oral examination process must not be compromised by the absence of a sound committee.

Copies of electronic signatures for committee members who have been approved to participate remotely will be accepted on the Authority Report Form for the Dissertation Defense. Original signatures from all members are required on the final dissertation signature page.

The results of the dissertation defense must be reported to the Graduate College within 72 hours. A unanimous report from the doctoral committee is expected; however, on occasion some dissenting reports are received. If one member dissents, the dissent is recognized as a minority report. If two members of the doctoral committee dissent, a minority report must be filed and the Graduate Dean will investigate and make the final decision. If more than two members vote unsatisfactory, the defense is judged to be a failure. Only one attempt is granted in defending the dissertation. If the defense is determined to be unsatisfactory (failure), the decision is final and the defense cannot be repeated. Furthermore, the student will be dropped from the rolls of the Graduate College and candidacy for the doctoral degree will terminate.

Nothing herein shall prohibit such a student from reapplying for admission to the Graduate College and pursuing a doctoral degree in another major field so long as the student satisfies all necessary degree requirements under the rules and regulations of the admitting department, Graduate College and University of Oklahoma Health Sciences Center.

4.11.4 - Depositing a Dissertation in the Library

Students must submit their dissertation in electronic format to the Graduate College through the [OUHSC ProQuest Administrator](#). A paper copy of the thesis signature page containing original signatures of the thesis committee or digital signatures of the thesis committee must be submitted to the Graduate College. All Dissertation Committee members must sign the signature page or submit a written dissent to the Graduate College. The written dissent must be submitted at the time of the final signed signature page to the Graduate College.

After approval by the Graduate College and the student's mentor, the final copy is uploaded to the OUHSC University Library through the ProQuest database.

The final copy of the dissertation must be delivered to the Graduate College within 60 calendar days of the oral defense. Students planning to graduate in a particular semester must meet specific academic deadlines and may not have 60 calendar days available. University graduate deadlines are listed in the [OUHSC Academic calendar](#). See Graduation Deadlines Section 4.12.

Failure to submit the final copy within 60 days will cause the results of the defense to be set aside, whereupon the student must offer the Graduate College a new reading copy of the dissertation that carries preliminary approval of the major professor. When the committee has accepted this new reading copy, the student may schedule the defense of the dissertation, according to the policies and procedures defined above.

It is essential that all dissertation candidates make themselves responsible for the complete and accurate collation of their materials before turning them in to the Graduate College. If utilizing copyrighted material in the dissertation, students must obtain permission from the holder of

the copyright for such reproduction; without permission, the author of the dissertation is liable to prosecution once the dissertation has been made a published document. The student and mentor must sign and submit the form "[Permission to use Published Materials in Dissertation/Thesis](#)".

4.12 - Graduation Deadlines

The date of graduation for each term shall be the last day of final examination in the fall, the date of commencement in the spring, and the last day of classes in the summer. To entitle a student to graduate as of that date, all work required for the degree (this includes the depositing the thesis/dissertation in the library and payment of tuition and fees) must be completed prior to the first day of classes of the next semester or summer session. If the student has not completed all the requirements, the student will become a graduate the following semester. It is the student's responsibility to make sure all degree requirements have been met.

The following deadlines apply:

1. **Current Semester Graduate:** All documents (including dissertation final copy) must be submitted to the Graduate College office by 5 PM on the last working day prior to the beginning of the upcoming semester.
2. **Upcoming Semester Graduate Without Enrollment:** All documents (including dissertation final copy) must be submitted to the Graduate College office by 5 PM on the last working day to enroll for the upcoming semester.
3. **Upcoming Semester With Required Enrollment:** Monday after the final day to add a class, the student must become a graduate of the upcoming semester and must enroll in 2 hours of 6980.

4.13 - Diploma and Fees

During the candidate's last semester, the candidate must file an official Application for Graduation, pay a graduation fee, and pay all tuition and fee charges before the degree will be conferred and a diploma issued. The student who plans to participate in the commencement ceremony must pay a cap and gown rental fee or they can purchase or borrow one.

4.14 - Doctoral Degree Timeline/Checklist

[DOCTORAL DEGREE TIMELINE/CHECKLIST](#) is on the Graduate College web site under Forms and Guidelines.

5 - DESCRIPTION OF GRADUATE PROGRAMS

5.1 - Allied Health Sciences

College of Allied Health

Allied Health Sciences

801 NE 13th St.
Oklahoma City, OK 73190
(405) 271-1444

<http://alliedhealth.ouhsc.edu/Departments.aspx>

Susan Sisson, PhD, Associate Professor, Program Director, Nutritional Sciences

Carol Dionne, DPT, PhD, Co-Program Director-Rehabilitation Sciences, Professor, Rehabilitation Sciences

Hongwu Wang, PhD, Co-Program Director-Rehabilitation Sciences, Assistant Professor, Rehabilitation Sciences

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://alliedhealth.ouhsc.edu/FacultyandStaff/FacultyandStaffContacts.aspx>

DEGREE OFFERED

Doctor of Philosophy

AREAS OF SPECIALIZATION

The Doctor of Philosophy degree program in Allied Health Sciences is interdisciplinary, with areas of specialization in Nutritional Sciences and Rehabilitation Sciences.

PROGRAM OBJECTIVES FOR THE DOCTOR OF PHILOSOPHY

The Doctor of Philosophy degree program in Allied Health Sciences is interdisciplinary and designed to promote knowledge across disciplines and informed collaboration among disciplines. Graduates of the program will be prepared to assume leadership roles in research, education, public policy, and administration of health care services.

The individualized program is designed to meet each student's educational goals. Graduate courses from any of the departments within the College of Allied Health, the Health Sciences Center campus, or the Norman campus may be selected as a part of a student's individualized program. The interdisciplinary aspects of the program will promote expansion of knowledge across disciplines and informed collaboration among

disciplines, which are hallmarks of today's research, education, and health care environments.

ADMISSION REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY

Because faculty and students work together closely in the PhD program, prior to the submission of an application a prospective student must identify a faculty member who has expertise in the applicant's area of interest, has authority to chair a PhD committee, and agrees to serve as the student's advisor if admitted.

- Contact the Department of Nutritional Sciences or Rehabilitation Sciences to determine compatibility of educational goals with the program
- Go to <http://alliedhealth.ouhsc.edu/FacultyandStaff/FacultyandStaffContacts.aspx> for a list of faculty and their interests and research activities.
- To see if a potential advisor has the authority to chair a doctoral committee (level 4), click on the name at <http://emcf.ouhsc.edu/facappt/>
- Contact potential advisors and attain a letter or memo of support from the faculty who has agreed to mentor

To be considered for admission to the Ph.D. program after identifying a potential advisor, an applicant is evaluated based on the following criteria:

1. Have a minimum 3.0 cumulative GPA in graded graduate coursework and have completed an undergraduate degree in an area of science that adequately prepares them for the proposed plan of study described below;
2. It is preferred to have completed 34 credit hours of graduate coursework;
3. A master's degree is preferred. The master's degree need not be in Nutritional Sciences or Rehabilitation Sciences. Each student's Advisory Committee reserves the right to determine the appropriateness of any graduate work previously completed by a student and may limit transfer credit. A maximum of 34 hours (NS) or 30 hours (RS) of master's degree work may be applied to the 90 hours required for the Ph.D. degree;
4. A GRE score is required. Applicants who have matriculated from foreign institutions will also need a minimum TOEFL score of 550. The TOEFL web site is <http://www.toefl.org>. GRE and TOEFL scores should come from tests taken within the past two years.
5. Submit a career goal statement, which includes a description of how the applicant expects the program to assist in meeting career goals, as well as the shared interests of the mentor and applicant. The admissions committee will consider the quality of the statement and the compatibility of the applicant's career goals with those of the program.
6. Submit a completed on-line application including the sections titled Application for Admission and Allied Health Supplemental. Application deadlines are July 1 for fall, December 1 for spring and May 1 for summer.
7. All international/Non US Citizen applicants are required to have all transcripts/mark sheets processed through World Education Services (WES). WES web site is <http://www.wes.org>

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

The Doctor of Philosophy is an advanced degree focusing on in-depth study and research training designed to meet the needs and interests of each student. Ninety hours post-baccalaureate are required.

1. All students are required to take core interdisciplinary and seminar courses (10 credit hours).
2. Students must participate in the seminar course four semesters.
3. There is a 15-18 credit hour requirement for research methods and statistic courses.
4. There are 11-12 required individualized credit hours in an area of specialization. An individualized program for each student will be identified to meet each student's goals. Graduate courses from any of the departments within the College of Allied Health, the Health Sciences Center Campus or Norman Campus may be selected. Existing areas of specialization are Rehabilitation Sciences and Nutritional Sciences.
5. Up to 20 hours can be earned in doing original research for the dissertation under the supervision of faculty from the College of Allied Health.

CAREER OPPORTUNITIES

Graduates of these programs will be prepared to assume leadership roles in research, education, public policy, and administration of health care services.

Current Courses: Search AHS prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=AH>

5.2 - Biochemistry and Molecular Biology

Biochemistry and Molecular Biology

College of Medicine

940 Stanton L. Young Blvd.
Oklahoma City, OK 73190
(405) 271-2227

<http://basicsciences.ouhsc.edu/bmb/>

[William Sonntag](#), PhD, Interim Chair

[Karla Rodgers](#), PhD, Graduate Program Director and Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://basicsscience.ouhsc.edu/bmb/Faculty.aspx>

DEGREES OFFERED

Master of Science
Doctor of Philosophy

AREAS OF SPECIALIZATION

Specific areas include studying the molecular basis of genetic, bacterial, viral and parasitic diseases in projects that include control of gene expression, DNA replication and rearrangement, cell migration, signaling mechanisms, membrane biology and membrane trafficking pathways, structural biology and assembly of macromolecular complexes, and glycobiology.

PROGRAM OBJECTIVES

Our research-intensive PhD program is designed to prepare students for successful careers as independent scientists in academic research, biotechnology and pharmaceutical industries, health/biomedical science management or teaching.

Our recently redesigned MS program is also research-based, along with coursework designed to provide enhanced education opportunities for students who wish to extend their knowledge, experience, and opportunities for advancement in research laboratories at universities, research institutes or biotechnology companies. The curriculum, separate from that of the PhD program, emphasizes understanding of research procedures as well as development of technical and problem-solving skills.

ADMISSION REQUIREMENTS

A baccalaureate degree and a 3.0 grade point average are required by the Graduate College. Applicants from foreign institutions whose primary language is not English must submit TOEFL scores.

A science-based undergraduate record including courses in chemistry (general and organic), biochemistry and/or molecular biology is expected.

Applications for the PhD or MS program may be submitted on-line at: <http://admissions.ouhsc.edu/ProspectiveStudents/HowtoApply.aspx>

Note: When filling out the application, please use Academic Plan Code 0429R or 0429M.

In addition to the Application Form and official transcript submitted to the OUHSC Admissions Office, applicants must send the following to the Department of Biochemistry & Molecular Biology:

1. a copy of the application
2. a copy of all transcripts
3. a statement of why you wish to enter the MS program and which faculty laboratory(ies) you would like to work in
4. three letters of recommendation from people familiar with your work
5. GRE scores
6. TOEFL scores if English is not your primary language

Applicants for the PhD program of the Department of Biochemistry & Molecular Biology may also apply through the interdisciplinary [Graduate Program in Biomedical Sciences \(GPiBS\)](#), which combines the expertise of six programs at the University of Oklahoma Health Sciences Center: Biochemistry & Molecular Biology, Cell Biology, Microbiology & Immunology, Neuroscience, Pathology, and Physiology. The application procedure is described in the GPiBS section of the Bulletin. An application is filed with the Office of Admissions and is accompanied by official transcripts and results of the Graduate Record Examination (GRE), and TOEFL for foreign applicants. Three letters of recommendation, from individuals who can address the candidate's research potential and suitability for graduate school, are also required. Successful applicants complete the multidisciplinary [GPiBS](#) first year curriculum and enter the Biochemistry & Molecular Biology program in the summer of their first year.

MASTER OF SCIENCE DEGREE REQUIREMENTS

Students complete at least 30 credit hours of study; 24 credit hours of coursework and at least 6 credit hours of research, under the direction of a faculty mentor, culminating in writing and defending a thesis.

The coursework includes a core biochemistry course, a course on techniques, instrumentation and experimental design, at least one advanced level course, a Current Issues course covering scientific ethics, report writing, regulatory issues, etc, and Journal Clubs. Students obtain practical experience in laboratory modules (5–8 weeks each) that will cover at least 5 different areas important in current biomedical research, such as molecular biology and informatics, protein purification and analysis, protein expression, immunology, cell culture and eukaryotic gene expression, and quantitative analysis. More specialized elective rotation topics include glycobiology, cell biology and virology, and biophysical methods such as mass spectrometry, calorimetry, Biacore, fluorescence spectroscopy and X-ray diffraction.

There is flexibility in the program to meet students' interests and aims, and the program for each student will be determined by the Advisory Committee in consultation with the student and mentor.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

PhD students enroll in the common first-year Graduate Program in Biomedical Sciences (GPiBS) curriculum, which includes courses covering molecular, cellular, and systemic biology. Students complete three laboratory rotations with any of the Biochemistry & Molecular Biology mentoring faculty and participate in journal club and seminars. Students successfully completing the GPiBS curriculum and choosing a faculty mentor affiliated with Biochemistry & Molecular Biology will complete their research dissertation in the Biochemistry & Molecular Biology program. Students in the MD/PhD program are also admitted directly into the second year.

A candidate for the PhD degree must complete at least 90 credit hours of academic work, including the first year GPiBS courses. In the fall semester of the second year, Biochemistry & Molecular Biology students enroll in an advanced course on structure and dynamics of

macromolecules. Six credit hours of advanced elective courses are also required. All graduate students enroll in Journal Clubs each Fall and Spring semester and participate in all departmental seminars. The remaining hours are Dissertation Research.

The successful completion of a qualifying examination is required for admission to candidacy for the Doctor of Philosophy degree. It is taken after the student's satisfactory completion of the Core Curriculum, in the Spring of the second year. The exam format is for the student to write and orally defend a research proposal. The topic is chosen by the student and is separate from the student's dissertation research. We view this exercise as a learning tool as well as an examination, and considerable guidance and feedback is given to students on how to prepare a focused, cohesive research proposal. The Graduate College rules for this examination are described elsewhere in this Bulletin, and details of the format are described in the Biochemistry & Molecular Biology handbook.

After passing the general examination the student is admitted to candidacy for the doctoral degree by the Dean of the Graduate College. The student then prepares a prospectus consisting of a description of the research problem, stating overall goals and specific aims, a survey of the relevant literature, and a specific outline of the research plan. The prospectus should be completed and approved by the Doctoral Committee by fall of the third year. A dissertation must be presented and successfully defended. For further information consult the Doctoral section of this bulletin or the Biochemistry and Molecular Biology handbook.

CAREER OPPORTUNITIES

The MS program of the department of Biochemistry & Molecular Biology has been recently redesigned to provide enhanced education opportunities for students who wish to extend their knowledge, experience, and opportunities for advancement in research laboratories at universities, research institutes or biotechnology companies.

Our research-intensive PhD program prepares students for successful careers as independent scientists and team leaders in academic research, biotechnology and pharmaceutical industries, health and biomedical science management or teaching.

Current Courses: Search BIOC prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=MED>.

5.3 - Biostatistics and Epidemiology

Biostatistics and Epidemiology

College of Public Health

801 NE 13th St.
Oklahoma City, OK 73190
(405) 271- 2229

www.coph.ouhsc.edu/departments/bse/default.aspx

Jennifer Peck, PhD, Program Director

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site <http://graduate.ouhsc.edu/newfacappt/>

GRADUATE DEGREES OFFERED

Master of Science
Doctor of Philosophy

AREAS OF SPECIALIZATION

Biostatistics and Epidemiology

PROGRAM OBJECTIVES

The Department of Biostatistics and Epidemiology has two main objectives:

1. Teach the concepts of biostatistics and epidemiology essential to all students in the health sciences.
2. Educate master's and doctoral students specializing in the fields of biostatistics or epidemiology leading to master and doctoral degrees in biostatistics or epidemiology.
3. Although the department functions as a single administrative unit, it includes two distinct disciplines: biostatistics and epidemiology. A student may work toward a master's or doctoral degree in either discipline, depending on his or her interests and background. Each discipline has a different set of required courses; however, there is some flexibility in the program to allow each student to develop his or her strengths and interests through elective courses.

ADMISSION REQUIREMENTS

In addition to the general admission criteria outlined in the Graduate College and College of Public Health Bulletins, applicants to the Department must also meet the following criteria:

Master's Program Requirements

1. A baccalaureate degree from an accredited institution (120 semester hours or equivalent, minimum).
2. A minimum 3.0 grade point average in the last 60 hours Admission with full standing to Masters degree programs requires an undergraduate GPA of 3.0 in the last 60 semester hours of upper division (Junior and Senior level) coursework. If at least 12 semester hours of graduate work have been taken, then the minimum GPA will be based on the graduate work. Up to 12 semester hours of work completed as a Special Student may be applied to the degree program after admission.
3. Proof of language proficiency for international applicants; TOEFL score of 88 or above.

4. GRE test, taken within the last 5 years, is required for all degrees and programs.
5. Additional prerequisite requirements for the MS in Biostatistics include:
 - A. Calculus and Analytic Geometry I. Topics covered include equations of straight line; conic sections; functions, limits and continuity; differentiation; maximum-minimum theory and curve sketching.
 - B. Calculus and Analytic Geometry II. Integration and its applications; the calculus of transcendental functions; techniques of integration; and the introduction to differential equations.
 - C. Calculus and Analytic Geometry III. Polar coordinates, parametric equations, sequences, infinite series, vector analysis.
 - D. Calculus and Analytic Geometry IV. Vector calculus; functions of several variables; partial derivatives; gradients, extreme values and differentials of multivariate functions; multiple integrals; line and surface integrals.

Doctoral Program Requirements

1. A master's degree in either biostatistics or epidemiology from an accredited institution, provided that the academic and experience requirements for such a degree are equivalent to those required for the Master's degree at the University of Oklahoma Health Sciences Center.
2. A graduate grade point average of at least 3.5.
3. Written evidence of research experience, if available. These materials will be evaluated for creativity and overall quality. Special preference will be given to applicants with research experience.
4. Proof of language proficiency for international applicants: TOEFL score of 88 or above.
5. GRE test, taken within the last 5 years, is required for all degrees and programs.
6. Additional prerequisite requirements for the Doctoral degree in Biostatistics include:
 - A. Calculus and Analytic Geometry I. Topics covered include equations of straight lines; Conic sections; functions, limits and continuity; differentiation, maximum- minimum theory and curve stretching.
 - B. Calculus and Analytic Geometry II. Integration and its applications; the calculus of transcendental functions; techniques of integration; and the introduction to differential equations.
 - C. Calculus and Analytic Geometry III. Polar coordinates, parametric equations, sequences, infinite series, vector analysis.
 - D. Calculus and Analytic Geometry IV. Vector calculus; functions of several variables; partial derivatives; gradients, extreme values and differentials of multivariate functions; multiple integrals; line and surface integrals.
 - E. A course in Linear Algebra

Application Process

All applicants who wish to apply for admission to the Master of Science or Doctoral degree programs in Biostatistics or Epidemiology must apply, submit, and pay the fees for two electronic applications:

1. Schools of Public Health Application Service (SOPHAS)
2. College of Public Health Supplemental Application.

A complete application to the OU College of Public Health will include:

1. Completed SOPHAS application (www.sophas.org) and payment of required fee. The following materials must be loaded into or received by SOPHAS:

- Transcripts

U.S. applicants

SOPHAS requires a separate official transcript from every U.S. and Canadian institution attended.

International applicants:

International applicants are required to submit transcripts/mark sheets to the World Education Services (www.wes.org) for a course-by-course evaluation. Applicants should designate SOPHAS to receive the evaluation.

SOPHAS mailing address:

SOPHAS
P.O. Box 9111
Watertown, MA 02471

- GRE test scores

Applicants are required to submit an official GRE score, taken within the last 5 years. SOPHAS should be designated to receive the scores by using the designation code #4244.

- Career goal statement

This personal essay should be created in a word processing program and pasted into the online SOPHAS application. Complete instructions are within the SOPHAS application.

- Current CV/ Résumé:

The SOPHAS application allows applicants to upload the CV or résumé **before** electronically submitting the application. It is not possible to

upload the resume to the SOPHAS application after e-submission of the application.

- *Recommendations*

Three letters of academic or professional recommendation are preferable (personal references are not encouraged). Applicants will list recommenders' contact information and SOPHAS will send the recommenders instructions concerning how to submit their recommendations electronically through an online SOPHAS recommenders' portal. Recommendations must be submitted electronically.

- *International applicants' English language proficiency*

International applicants are required to submit TOEFL scores to SOPHAS using the designation code #5688. Minimum acceptable TOEFL score for most programs is 88 IBT. IELTS or other language proficiency tests will not be accepted. Additional information about the TOEFL requirement is available at [OUHSC's TOEFL page](#).

2. The University of Oklahoma College of Public Health supplemental application and fee

All applicants to the OU College of Public Health are required to submit a supplemental application and fee. The supplemental application is available at: <https://apps.ouhsc.edu/admissions/>.

Applicants must select the same program/s in the supplemental application as in the SOPHAS application. The fee for the supplemental application is \$100 if the applicant selects two professional programs (MPH, MHA, DrPH, Certificate of Public Health). If the applicant selects one professional program and one graduate program (MS or PhD), the fee for the supplemental application is \$175. If the applicant selects only graduate programs, the fee is \$75.

MASTER OF SCIENCE DEGREE REQUIREMENTS

The Master of Science (MS) degree is a research oriented degree offered in the area of biostatistics or epidemiology. Requirements for admission are the same as for all MS degree programs in the Graduate College and are described elsewhere in this bulletin. Additionally, the department requires three letters of reference and a statement of career goals.

Graduation requirements include a minimum of 39 semester hours (for the MS in Biostatistics) or 40 semester hours (for the MS in Epidemiology), including no more than 4 semester hours credit for BSE 5980 (**Research for Master's Thesis**).

The **OUTLINE OF GRADUATE WORK for the MASTER OF SCIENCE in BIOSTATISTICS** is as follows:

I. Preliminary work necessary to meet departmental requirements.

II. MAJOR DEPARTMENT COURSES.

Department	Course No.	Course Title	Credit Hours
BSE	5001	Problems in Biostatistics & Epidemiology	1
BSE	5013	Applications of Microcomputers to Data Analysis	3
BSE	5111	Scientific Integrity in Research	1
BSE	5113	Principles of Epidemiology	3
BSE	5163	Biostatistics Methods I	3
BSE	5173	Biostatistical Methods II	3
BSE	5703	Principles of the Theory of Probability	3
BSE	5733	Principles of Mathematical Statistics I	3
BSE	5980	Research for Master's Thesis	4

Plus at least six additional hours in applied biostatistics courses numbered above 5163

Plus at least six additional hours in epidemiology 6

III. Only **ONE** of the following courses to be taken outside the major department:

Department	Course No.	Course Title	Credit Hours
HAP	5453	U.S. Health Care Systems	3
OEH	5013	Environmental Health	3
HPS	5213	Social & Behavioral Sciences in Public Health	3

Total hours 39

The **OUTLINE OF GRADUATE WORK for the MASTER OF SCIENCE in EPIDEMIOLOGY** is as follows:

I. **Required Courses**

A. **College of Public Health**

Any MS student who has not previously completed the core MPH courses or earned an MPH degree will be required to complete an overview course in public health. This course should be completed within the first academic year of enrollment:

BSE 5033 Foundations and Overview of Public Health 3 credit hours

B. **Department**

BSE 5001 Problems in Biostatistics and Epidemiology 1 hour

BSE 5013 Applications of Microcomputers to Data Analysis 3 hours

BSE 5113 Principles of Epidemiology 3 hours

BSE 5163 Biostatistical Methods I 3 hours

BSE 5193 Intermediate Epidemiologic Methods 3 hours

BSE 5980 Research for Master's Thesis 4 hours

BSE 5111 Scientific Integrity in Research 1 hour

BSE 5303 Epidemiology of Infectious Diseases 3 hours

or

BSE 5363 Epidemiology & Prevention of Chronic Diseases 3 hours

At least nine additional hours in epidemiology courses, including at least one of the following epidemiologic methods courses:

- BSE 5343 Methods in Infectious Disease Epidemiology 3 hours
- BSE 6323 Molecular and Genetic Epidemiology 3 hours
- BSE 6193 Methods in Clinical Epidemiology 3 hours
- BSE 6194 Advanced Epidemiologic Methods 4 hours

At least six additional hours in applied biostatistics courses numbered above 5163.

Students are required to achieve a basic knowledge of the biomedical sciences. The course work to satisfy this requirement may be taken at this or another institution, either before or after entering the program. Course work undertaken to fulfill the requirement is in addition to the minimum 39 hours requirement for the degree.

A thesis is **required** for the degree. It is expected that a paper based on this thesis will be prepared and submitted to an appropriate professional journal for publication.

II. **Computer Proficiency**

Students are required to achieve a working knowledge of methods, programming and applications of computers as used in biostatistics. This knowledge may be acquired by formal class work or by experience acquired either before entering or during the course of the program. Completion of BSE 5013 with a passing grade will satisfy this requirement. Students who wish to have more information on the use of computers are encouraged to elect the following course:

BSE 5023 Computer Applications in Public Health 3 hours

III. **Elective Courses**

Only courses in the Department of Biostatistics and Epidemiology or on the published list of approved elective courses may be used to fulfill the remaining credit hours for graduation. The program of study should be formalized with the guidance of the faculty advisor and will be subject to approval by the Student's Advisory Committee and Chair of the Department.

Credit for BSE 5103 may not be used to satisfy the minimum hour requirements on this degree.

IV. Examination

Students must pass a written and/or oral examination covering both the academic program of study and the thesis.

Notes: Usually this program requires at least two years to complete. The Faculty expects students to participate in the intellectual activities of the Department (e.g., seminars, special presentations).

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

The Doctor of Philosophy (PhD) is an advanced, research-oriented degree program requiring in-depth study and research in a particular area in biostatistics or epidemiology. General requirements for admission and completion of the degree are consistent with those applicable to all PhD programs as described elsewhere in this bulletin. An applicant must present a master's degree in biostatistics or epidemiology. In addition, three of the five M.P.H. core courses are required. A minimum of 90 semester hours, excluding credit for research tools and including a maximum of 40 hours of transfer credit, must be presented for the degree. No more than 25 hours will be allowed for work related to the dissertation (6980).

All courses, including those related to research tools, must be approved by the student's advisory committee. An advisory committee appointed by the Graduate College upon recommendation of the department will supervise each student's program of study and monitor all coursework. Composed of at least five members, the committee must include at least one representative of a department other than the major one. Defense of the dissertation must be completed within five years of the end of the semester in which the general examination was successfully completed; otherwise, coursework must be revalidated.

CAREER OPPORTUNITIES

The programs are designed to prepare students for careers in health agencies and health-related institutions; for consultation, especially in biomedical fields; for independent biostatistical and epidemiological research; and for academic careers in schools of medicine or public health.

Current Courses: Search BSE prefix courses found online at

<http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=PH>

5.4 - Cell Biology

College of Medicine

Cell Biology

940 Stanton L. Young Blvd.
Oklahoma City, OK 73190
(405) 271-2377

<http://http://basicsciences.ouhsc.edu/cb/Home.aspx>

[Shannon Conley](#) PhD, Program Director

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site <http://basicsciences.ouhsc.edu/cb/People/Primary.aspx>

DEGREES OFFERED

Doctor of Philosophy

AREAS OF SPECIALIZATION

Developmental biology, retinal biochemistry; gene regulation, neurobiology of sensory systems, autonomic and cardiovascular pharmacology, nerve regeneration, cell cycle, cancer biology, and cell signaling mechanisms

PROGRAM OBJECTIVES

The graduate program is designed to prepare individuals for academic and research careers in cell biology. Students are encouraged to obtain a broad background in the various disciplines and develop and pursue a research project in one of the areas of scientific investigation currently available in the department.

All degree candidates are encouraged to participate in teaching courses offered by the department. Each student will work with a departmental faculty advisor and a committee composed primarily of departmental faculty members. To fulfill students' specialized needs and interests, the department offers advanced courses taught by faculty whose expertise is closely related to the contents of the course work. Students may also choose curricula that emphasize anatomical or pharmacological studies. Related biomedical courses taught by other departments in the University also are available.

Graduate assistantships and fellowships are available to qualified students on a competitive basis.

ADMISSION REQUIREMENTS

The department of Cell Biology is a participant in the new interdisciplinary [Graduate Program in Biomedical Sciences \(GPiBS\)](#), which combines the expertise of the six programs at the University of Oklahoma Health Sciences Center: Biochemistry & Molecular Biology, Cell Biology, Microbiology & Immunology, Neuroscience, Pathology and Physiology. Students wishing to enter the Cell Biology graduate program apply to GPiBS as described in the GPiBS section of the Bulletin. An application is filed with the Office of Admissions and is accompanied by official transcripts and results of the Graduate Record Examination (GRE), and TOEFL for foreign applicants. Three letters of recommendation, from individuals who can address the candidate's research potential and suitability for graduate school, are also required.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

Candidates for the PhD degree must meet the following minimum requirements:

1. 90 credit hours acceptable to the student's graduate committee;
2. obtain at least a B average in the required graduate courses (Integrated Core Curriculum, Cellular and Molecular Developmental Biology, Statistics);
3. attendance and participation in departmental seminar activity and Journal Club;
4. successful completion of a comprehensive qualifying examination;
5. a research proposal, original investigation, written dissertation, and general dissertation defense (A maximum of 60 credit hours is allowed for dissertation research.)

At the discretion of the Graduate Education Committee, equivalent courses from other accredited institutions may be substituted for any of the requirements.

CAREER OPPORTUNITIES

The interdisciplinary nature of the Cell Biology Graduate program provides students with the breadth of knowledge and technical acumen that is highly sought in today's competitive job market. Graduates from the Cell Biology program have numerous exciting career opportunities in academia, industry, the government, and the private sector. Graduates can devote their careers to full-time research at government-sponsored laboratories or the pharmaceutical industry. Alternatively, a graduate can choose a career in academia, which includes teaching and/or performing basic science research at universities and medical schools.

Current Courses: Search Cell Biology prefix courses found online at <http://apps.ouhsc.edu/studentinfo/Courses.aspx?College=MED>

5.5 - Clinical and Translational Science

Graduate College

Clinical and Translational Science

1105 North Stonewall, Ste. 258

Oklahoma City, OK 73117

(405) 271-2085

[MS in CTS web site](#)

H. Anne Pereira, PhD, Program Director/Dean of Graduate College

Sara Vesely, PhD, Graduate College Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty, visit this website

<http://graduate.ouhsc.edu/GraduatePrograms/MSPPrograms/ClinicalandTranslationalScience/CTS.aspx>

DEGREES OFFERED

Master of Science

AREAS OF SPECIALIZATION

Clinical and Translational Sciences

PROGRAM OBJECTIVES

The goal of the MS in CTS program is to prepare health professionals to become competent in the methodological foundations and conduct of clinical and translational research.

Participants will develop competencies related to principles of qualitative research methods, quantitative research methods, clinical and translational research process and design, informatics, effective oral and written communication, human research ethics and responsible conduct of research, cultural competency, research management, and professionalism and career development.

ADMISSION REQUIREMENTS

Individuals applying for acceptance may come from a wide variety of educational and work-related backgrounds, but must possess a

professional doctoral degree. Applicants who do not possess a professional doctoral degree may apply only after receiving written permission from Julie Stoner, PhD, Graduate College Liaison for the MS in CTS Degree Program.

[Application](#) for the MS in CTS program is available on the Graduate College web site.

Applicants must submit:

1. official transcripts from all universities attended
2. current curriculum vitae or resume
3. three letters of reference
4. personal statement
5. summary of a proposed thesis research project
6. identification of an OUHSC faculty mentor
7. proposed mentor's 5-page NIH biosketch

30.8 MASTER OF SCIENCE DEGREE REQUIREMENTS

This degree program requires total of 33 credit hours consisting of didactic study and experiential practicum, and a mentored research project including a thesis. Students are required to take 7 core courses (18 credit hours), 2 elective courses (6 credit hours), and research hours (9 credit hours).

5.6 - Communication Sciences and Disorders

Communication Sciences and Disorders

825 NE 14th St.
Oklahoma City, OK 73190
(405) 271- 4214

<http://alliedhealth.ouhsc.edu/Departments/CommunicationSciencesandDisorders.aspx>

Carole Johnson, PhD, Chair
Andrew John, PhD, Graduate Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://alliedhealth.ouhsc.edu/Departments/CommunicationSciencesandDisorders/FacultyandStaff.aspx>

DEGREES OFFERED

Master of Science
Doctor of Philosophy

AREAS OF SPECIALIZATION

Audiology and Speech-Language Pathology

PROGRAM OBJECTIVE

The Department of Communication Sciences and Disorders offers the following degrees through the Graduate College: The Master of Science (MS) degree in speech-language pathology (with thesis) and the Doctor of Philosophy (PhD) degree in the areas of audiology and speech-language pathology. The department also offers the professional doctorate in audiology (Au.D.) and the professional Master of Arts degree in speech-language pathology (M.A.) through the College of Allied Health. Information about all of the department's programs may be found at <http://alliedhealth.ouhsc.edu/Departments/CommunicationSciencesandDisorders.aspx>

Contact information for the different program advisors may also be found at that site.

The Department of Communication Sciences and Disorders is located in the John W. Keys Speech and Hearing Center. This modern, self-contained speech and hearing Center accommodates nearly all academic pursuits as well as department-operated service programs in audiology and speech-language pathology. Ongoing research into normal and disordered processes of human communication is focused in both clinical and basic science areas. State-of-the-art instrumentation is available.

Service programs operated by the Department provide primary practicum sites for educating audiologists and speech-language pathologists. Audiology services include routine hearing and hearing-aid evaluations, hearing-aid dispensing, special physiological tests of auditory function, and aural (re)habilitation protocols. Speech-language pathology services are available for children and adults who present the full array of disorders including those affecting articulation/phonology, language, fluency, and voice. Special diagnostic and treatment programs are available for neurogenic disorders, childhood language disorders, and voice disorders. Additionally, a cleft palate-craniofacial clinic and a diagnostic and staffing conference on speech and language disorders bring together expertise from several disciplines to address complex diagnostic and treatment problems. The department also operates a preschool program for children with developmental language impairments. Where appropriate, diagnostic decisions and management strategies in all areas evolve from an interdisciplinary approach to the amelioration of human communication disorders.

Graduate students in practicum may participate in service programs operated by a number of cooperating agencies, including the Veterans Administration Medical Center, the Department of Otorhinolaryngology, and rehabilitation clinics within several hospitals, private clinics, and public schools.

Assistantships of varying amounts are available to qualified students on both the master's and doctoral levels.

ADMISSION REQUIREMENTS

Individuals applying to either the MS or the PhD program must meet all minimum Graduate College and departmental requirements for admission, including submission of Graduate Record Examination (GRE) scores and scores for the Test of English as a Foreign Language (TOEFL), if applicable. Applicants must also submit letters of recommendation from three academic sources and complete an interview with a graduate CSD faculty member or faculty admissions committee. Additional details about admission requirements for the MS and PhD programs can be found via links at the following website:

<http://alliedhealth.ouhsc.edu/Departments/CommunicationSciencesandDisorders.aspx> . Other detailed information about admission and enrollment procedures may be obtained through correspondence with the department chair, the department's graduate liaison, and/or the Office of Admissions and Records.

MASTER OF SCIENCE DEGREE REQUIREMENTS

The Master of Science (MS) degree is designed to provide students with the knowledge base and research skills essential for admission into a PhD program in speech-language pathology. This degree sequence is suitable for individuals who seek careers in speech, language, or hearing research but who do not intend to practice clinical speech-language pathology.

The MS program of study integrates three curriculum strands: a) scientific and theoretical knowledge in speech-language pathology, b) computer tools and statistical techniques for data analysis, and c) original research culminating in the oral defense of an approved written thesis. Students will complete 46 credit hours of coursework, including seven hours of pre-thesis research-related courses (laboratory rotations, directed readings, and a course in research foundations), six hours of basic statistics, and four hours of thesis research. Students will engage in mentored research activities in a number of their courses and must secure Institutional Review Board (IRB) approval before initiating any research project. Many of the credit hours required for the MS degree can also be counted toward the credits needed to complete the PhD in speech-language pathology.

Students in the MS program will work under the supervision of an approved three-member graduate faculty committee to complete original thesis research. The committee must approve the written thesis and the oral defense before the degree can be awarded. Students will be asked to present their research findings at a scientific conference and will be encouraged submit their work for publication in a refereed journal.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

The Doctor of Philosophy degree is an advanced degree focusing on in-depth study and research training in speech-language pathology, audiology, speech sciences, or hearing sciences. A minimum of 90 post-baccalaureate semester hours are required for the degree. Students complete 25 semester hours of core doctoral coursework during the first year of enrollment and thereafter pursue approved individualized programs of study. Dissertation research may be conducted in either basic or applied scientific domains. A maximum of 15 semester hours of dissertation credit may be counted toward the 90-semester hour minimum required for the degree. Credit hours earned in clinical practicum may not be counted toward the minimum requirements for the degree. Doctoral students must enroll in dissertation research no later than the first semester following satisfactory completion of the general examination. If requirements for the doctoral degree are not completed within five years subsequent to the satisfactory completion of the general examination, the student's doctoral committee must approve further enrollment in dissertation research and must reassess the currency of the student's knowledge of the field of study. Similar reassessment will be made annually thereafter until the degree requirements are met. Students must have the explicit permission of their advisory committees to complete the dissertation in absentia.

CAREER OPPORTUNITIES

Graduates of the speech-language pathology and audiology programs have found employment in a variety of settings. Department of Labor projections indicate continuance of a favorable employment status for both professions through 2016 and beyond. Career opportunities for speech-language pathologists (M.A. degree) include: hospital based practice; private practice; K-12 educational systems; university clinics; and home health providers. Audiologists (Au.D. degree) also enjoy a favorable employment outlook based on national forecast data and employment opportunities include: private practice; hospital based practice; medical clinic practice; university practice; and hearing conservation consultation opportunities. Graduates of the MS program are prepared for admission into PhD programs in speech-language pathology and are well-qualified for employment as laboratory research assistants. Graduates of the PhD program in either speech-language pathology or audiology are in great demand nationally for employment in university and administrative settings.

Current Courses: Search CSD prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=AH>

5.7 - Genetic Counseling

College of Medicine

Genetic Counseling

OU Medical Center
OUHCP, Room 12100
1200 N. Phillips
Oklahoma City, OK 73104
(405) 271-8685

Klaas Wierenga, MD, Program Medical Director

Susan Hassed, MS, CGC, Licensed Genetic Counselor, Program Director and Graduate Liaison
Erin Youngs, MS., LCGC, Program Assistant Director

PROGRAM INFORMATION

For a detailed description of the program, go to <http://www.oumedicine.com/pediatrics/department-sections/genetics/education-training/ms-in-genetic-counseling>

DEGREE OFFERED

Master of Science

AREAS OF SPECIALIZATION**PROGRAM OBJECTIVES**

The Master of Science in Genetic Counseling is centered in the Department of Pediatrics of the College of Medicine, but involves close collaboration with other departments in the College of Medicine, the College of Public Health, and the Oklahoma Medical Research Foundation. The overall objective of the program is to educate and train master level candidates to become capable of providing genetic counseling to patients and families with known or suspected genetic conditions and to perform basic and/or clinical research in all areas of genetics.

ADMISSION REQUIREMENTS

BS/BA in biology, sociology, psychology, or a related field with an undergraduate GPA of 3.0 or greater in upper division courses

1. Required Completed Coursework - Biology (two semesters); General Chemistry (two semesters); Organic Chemistry (two semesters); Biochemistry (one semester); Genetics; General Sociology or Psychology (one semester); Abnormal Psychology (one semester); Statistics, Research Methods, or Experimental Design (one semester)
2. Completed Course Work, Recommended, if available - Molecular Genetics; Embryology; Anatomy; Medical Terminology; Upper Division Sociology and/or Psychology; Basic Computer Proficiency
3. Graduate Record Examination (GRE)
4. 500 word essay addressing the choice of genetic counseling as a career
5. Three letters of recommendation
6. Any international applicant whose native language is not English and who does not have a master's degree from a regionally accredited U.S. graduate school, is required to submit a minimum score of 550 on the Test of English as a Foreign Language (TOEFL). The test must have been taken within the two years immediately preceding the requested semester of admission. An original score report is required. Any international applicant who is a resident alien should submit a copy of the Resident alien card along with the application for Admission.

MASTER OF SCIENCE DEGREE REQUIREMENTS

Taken on a full-time basis, course work will require twenty-one months of study. The total time for classroom courses, practicums, and thesis will be 48 semester hours. Didactic course work will encompass medical genetics, psychosocial theory, counseling techniques, applied clinical and molecular genetics, and cytogenetics. A major element of the educational program will be clinical practicums to provide the students with supervised actual experience in clinical genetics, prenatal diagnosis counseling, cancer genetics counseling, clinical metabolic genetics, and laboratory techniques in cytogenetics, and molecular genetics.

Candidates for the Master of Science in Genetic Counseling must meet requirements for the master's degree as described elsewhere in this bulletin. The full 48 hours of course work must be completed with a minimum grade point average of 3.0 as well as attendance and/or participation in departmental journal club, grand rounds, clinic case conferences, committee meetings, teaching opportunities, and support group meetings is required. There must be satisfactory completion of a thesis proposal: an original investigation, a written thesis, and oral comprehensive defense examination. You may submit the essay via email to Susan Hassed at the email address above.

Application deadline is February 1st of the year of admission. Application can be made online at <http://admissions.ouhsc.edu/ProspectiveStudents/HowtoApply.aspx>

CAREER OPPORTUNITIES

Genetic counseling as a profession includes positions in private industry, laboratories, research units, and private physician groups as well as in academic centers. Many genetic counselors function as co-investigators or primary investigators for varied projects from clinical studies to laboratory investigations including work on the Genome project. For more detailed information about genetic counseling as a career visit the website for the National Society of Genetic Counselors at <http://www.nsgc.org/>

Current Courses: Search GENC prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=GRAD>

5.8 - Graduate Program in Biomedical Sciences (GPiBS)

Graduate College

Graduate Program in Biomedical Sciences (GPiBS)

P.O. Box 26901, BMSB 332
Oklahoma City, OK 73190
Phone: (405) 271-2406

GPiBS web site

Eric W. Howard, PhD, Director and Graduate Liaison

Christopher Horton, PhD, Assistant-Director

Cole Bradshaw, Coordinator, Special Programs

FACULTY ROSTER

For a complete listing of the graduate faculty visit this web site [http://graduate.ouhsc.edu/Faculty/ApplytoBeaFacultyMember.aspx - 14572582-graduate-faculty-list](http://graduate.ouhsc.edu/Faculty/ApplytoBeaFacultyMember.aspx-14572582-graduate-faculty-list)

PROGRAM OBJECTIVES

The Graduate Program in Biomedical Sciences (GPiBS) is an interdisciplinary program offered by the University of Oklahoma Health Sciences Center. It combines the expertise of seven participating programs located in the Departments of Biochemistry & Molecular Biology, Cell Biology, Microbiology & Immunology, Pathology, Pharmaceutical Sciences, and Physiology and the Oklahoma Center for Neuroscience. GPiBS offers an interdisciplinary curriculum designed to provide students with a breadth of knowledge that will prepare them for their subsequent graduate studies. Students will graduate with a PhD degree from one of the participating programs.

ADMISSION REQUIREMENTS

Students should have a minimum GPA of 3.0 and have completed an undergraduate degree in an area of science that adequately prepares them for the proposed plan of study described below. Applicants who have matriculated from foreign institutions will also need to have successfully completed the TOEFL within the past two years. In addition, three letters of recommendation from individuals who can address the candidate's research potential and preparedness for graduate school are needed. Applicants must also submit a Goals/Purpose Statement.

Students are encouraged to apply by January 15th in order to secure a position in next year's class. However, late applications will be considered. Our Admissions Committee starts reviewing applications in December and normally make decisions for acceptance by March. Following the submission of an application, the materials will be reviewed and select candidates will be invited for an interview, the cost of which will be paid by the program. Following the interview, a final decision will be made and candidates will be notified.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

During the first year, students will complete interdisciplinary course work emphasizing molecular aspects of cell and organismal biology, along with up to six research rotations that can span multiple programs. During the second GPiBS semester, students will select a specific program (Biochemistry & Molecular Biology, Cell Biology, Neuroscience, Microbiology & Immunology, Pathology, Pharmaceutical Sciences, or Physiology) for their dissertation research. After GPiBS, students will focus on their research, take advanced classes relevant to their area of specialization, and participate in other departmental/programmatic activities, including journal clubs, seminars, and electives.

5.9 - Health Promotion Sciences

College of Public Health

Health Promotion Sciences

801 NE 13th St.
Oklahoma City, OK 73190
(405) 271- 2017

<http://publichealth.ouhsc.edu/AboutUs/Departments/HealthPromotionSciences.aspx>

Thomas A. Teasdale, Dr.PH, Chair

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://publichealth.ouhsc.edu/FacultyandStaff/FacultyandStaffContacts.aspx>

GRADUATE DEGREES OFFERED

Master of Science
Doctor of Philosophy

AREAS OF SPECIALIZATION

Faculty expertise in health promotion sciences (HPS) includes anthropology, family studies, gerontology, health disparities, health education, health promotion, nutrition, program planning and evaluation, research methods, sociology, social work, and other related disciplines.

PROGRAM OBJECTIVES

The Department of Health Promotion Sciences prepares public health professionals for leadership roles in the development, promotion, and application of social and behavioral science theory and methods for solving community health problems. Courses and degree programs are directed toward students who wish to pursue a career in health promotion and those already in specialized disciplines who seek supporting knowledge in the field. In addition to the degree requirements established for the College of Public Health, departmental requirements for degree programs may apply. Most courses are offered in the late afternoon and evening for the convenience of practicing professionals.

MASTER OF SCIENCE DEGREE REQUIREMENTS

The Master of Science (MS) degree in HPS is oriented toward research in the specialty area within public health. Requirements for admission are the same as for all MS degree programs in the Graduate College and are described elsewhere in this bulletin.

Graduation requirements include a minimum of 36 semester hours and a thesis, with no more than four semester hours allowed for work related to the thesis (5980). At least three of the five core courses required of the M.P.H. degree must be included in the MS requirements. With written approval of both the student's departmental chair and the chair of the offering department, a more advanced course may be substituted for any of the core courses. All degree candidates are required to successfully defend their thesis.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

The Doctor of Philosophy (PhD) in HPS is an advanced, research-oriented degree designed for those intending to pursue research or teaching in the field. General requirements for admission and completion of the degree are consistent with those applicable to all PhD programs as described elsewhere in this bulletin. Acceptance into the Health Promotion Sciences program requires a Master's degree in Public health (or relevant Master's degree), completion of the five core public health courses, GPA \geq 3.50, suitable GRE or TOEFL scores, an example of prior writing, and a statement of your purpose for seeking this degree program. Prospective students are encouraged to contact a HPS faculty member who could be a potential mentor. Conditional admittance on probationary status may be conferred for students who do not meet all of the admission requirements.

Conditional admittance may be conferred for students who do not meet all of the admission requirements. A minimum of 60 semester hours post-masters must be presented for the degree. No more than 30 hours will be allowed for work related to the dissertation (6980).

The curriculum is composed of HPS Core courses (9 hours), Research Methods (15 hours), a minor field (9 hours) and coursework in a substantive area (15 hours). Minor and substantive area requirements must be approved by the student's advisory committee. The comprehensive exam is composed of individual exams in three areas: Theory, Methods, and Substantive Area. The Theory and Methods portions of the exam are departmental exams with no fewer than three evaluators. Any faculty member in the department can submit questions and serve as an evaluator. The Substantive Area exam will be given by the student's dissertation committee. The five-member dissertation committee will be composed of 3 faculty members from HPS, 1 from COPH or the substantive area and 1 member from the minor area.

CAREER OPPORTUNITIES

The Doctor of Philosophy (PhD) in HPS is an advanced, research-oriented degree designed for those intending to pursue research or teaching in the field. General requirements for admission and completion of the degree are consistent with those applicable to all PhD programs as described elsewhere in this bulletin. Acceptance into the Health Promotion Sciences program requires a Master's degree in Public health (or relevant Master's degree), completion of the five core public health courses, GPA \geq 3.50, suitable GRE or TOEFL scores, an example of prior writing, and a statement of your purpose for seeking this degree program. Prospective students are encouraged to contact a HPS faculty member who could be a potential mentor. Conditional admittance on probationary status may be conferred for students who do not meet all of the admission requirements.

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The curriculum is composed of HPS Core courses (9 hours), Research Methods (15 hours), a minor field (9 hours) and coursework in a substantive area (15 hours). Minor and substantive area requirements must be approved by the student's advisory committee. The comprehensive exam is composed of individual exams in three areas: Theory, Methods, and Substantive Area. The Theory and Methods portions of the exam are departmental exams with no fewer than three evaluators. Any faculty member in the department can submit questions and serve as an evaluator. The Substantive Area exam will be given by the student's dissertation committee. The five-member dissertation committee will be composed of 3 faculty members from HPS, 1 from COPH or the substantive area and 1 member from the minor area. Current Courses: Search HPS prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=PH>

5.10 - Microbiology and Immunology

College of Medicine

Microbiology and Immunology

940 Stanton L. Young Blvd.
Oklahoma City, OK 73190
(405) 271-2133
www.oumedicine.com/mi

Jimmy Ballard, PhD, Chair
Molly Hill, PhD, Graduate Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://www.oumedicine.com/mi/faculty>

DEGREES OFFERED

Doctor of Philosophy

AREAS OF SPECIALIZATION

Microbial Pathogenesis and Immunology: Special emphasis on molecular and immunological mechanisms of diseases caused by human pathogens as well as emphasis on immune response to infections, autoimmunity, T and B cell development and MHC function.

PROGRAM OBJECTIVES

The doctoral program prepares students for careers in academia and industry in the research areas of microbiology and immunology. The curriculum is designed to provide a solid scientific background and includes advanced courses utilizing the expertise of our faculty members. Research areas in microbiology include bacterial toxins, Lyme disease, bacterial genetics, role of outer membrane lipid remodeling in Gram-negative pathogenesis, bacterial and fungal eye infections, and Toxoplasmosis. Research areas in immunology include B and T lymphocyte biology, NKT cells and humoral immunity, anti-viral immunity, autoimmunity, role of major histocompatibility complex molecules in cancer and

infection, and the role of IL-22 in inflamed tissues.

ADMISSION REQUIREMENTS

The department of Microbiology and Immunology is a participant in the interdisciplinary [Graduate Program in Biomedical Sciences \(GPiBS\)](#), which combines the expertise of the six programs at the University of Oklahoma Health Sciences Center: Biochemistry & Molecular Biology, Cell Biology, Microbiology & Immunology, Neuroscience, Pathology and Physiology. Students wishing to enter the Microbiology and Immunology graduate program to obtain a PhD degree should apply to [GPiBS](#) as described in the GPiBS section of the Bulletin. An application is filed with the Office of Admissions and is accompanied by official transcripts and results of the Graduate Record Examination (GRE), and TOEFL for foreign applicants. Three letters of recommendation from individuals who can address the candidate's research potential and suitability for graduate school are also required.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

Students interested in the PhD degree in Microbiology and Immunology are required to take a minimum of 90 hours of graduate work of which at least 45 hours are Research for Doctor's Dissertation (MI 6980) and complete a dissertation based on original research. All PhD students must complete the core courses offered in the first semester through the GPiBS program. Subsequent courses are offered by the Department and include the following: Immunology I (MI 6032), II (MI 6041), and III (MI 6111), Microbiology I (MI 5320), II (MI 6301), and III (MI 6501), Molecular Virology (MI 6321), and Bioinformatics (MI 6401). Other optional courses may be offered by the Department including Immuno-oncology (MI 6011). In the second year students are required to take Infection and Immunity (MI 6822), Special Studies (MI 5990) and Scientific Grant Writing (MI 6604). In addition, all PhD candidates take Research for the Doctoral Dissertation (MI 6980). PhD students are required to present seminars (variable number of hours) in Seminar (MI 5971). The remainder of the PhD degree program is completed with graduate level courses in this or in other departments of the University. Requirements for any of the individual core courses may be waived by the departmental orientation committee with sufficient evidence of equivalent prior course completion. A student may transfer up to 44 hours of graduate course work taken elsewhere depending upon the decision of the student's advisory committee and the Graduate College (described elsewhere in Bulletin).

For admission to candidacy for the PhD degree, the student must pass a written and oral qualifying examination. The examination is offered once a year and should be completed by the end of the second year.

Financial support is provided to qualified students entering the program.

CAREER OPPORTUNITIES

Students who complete a PhD program in Microbiology and Immunology find future employment in many areas of science such as research and/or teaching positions at public or private institutions, scientific writing, research administration, clinical laboratories, science policy, research administration, sales and marketing, among many others.

Current Courses: Search MI prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=MED>

5.11 - Neuroscience

College of Medicine

Neuroscience

975 NE 10th Street, Room 272

Oklahoma City, OK 73104

(405) 271- 6267

<https://medicine.ouhsc.edu/Academic-Departments/Neurosurgery/Neurosciences-PhD-Program>

Dr. Zach Sherry, Dr. David Sherry – Co- Directors

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site <http://www.oumedicine.com/ocns/faculty>

DEGREES OFFERED

Master of Science (Non-Thesis)

Doctor of Philosophy

PROGRAM OBJECTIVES

The Graduate Program in Neuroscience emphasizes a multidisciplinary approach to understand the structure and function of the normal and diseased nervous system. The diversity of research represented in this program spans focus areas from molecular neuroscience and systems neurobiology, to functional neuroscience. Molecular neuroscience involves biochemical investigations at the cellular and molecular levels and includes studies on neurotransmitter systems, pharmacology of neurotransmission, interactions of drugs with receptors, gene regulation, molecular biology of neurological disease, and mechanisms of signal transduction. Systems neurobiology encompasses studies of multi-neuronal networks that range from neural circuitry underlying the control of cardiac and respiratory function to endocrine control, stress and pain mechanisms. Functional neuroscience includes the disciplines of neurology, biological psychology, and behavioral neuroscience. Students in the Graduate Program in Neuroscience are exposed to all focus areas, providing a strong inter-disciplinary foundation on which to build comprehensive and innovative research programs.

Students in the PhD program in neuroscience currently enter through either the [Graduate Program in Biomedical Sciences \(GPiBS\)](#), which serves

as a gateway into the basic science graduate programs at the University of Oklahoma Health Sciences Center or directly into the Neuroscience Program. First year graduate students entering through GPiBS complete interdisciplinary coursework emphasizing molecular aspects of cell and organismal biology, along with research rotation(s) during the first year. First year graduate students entering directly into the Neuroscience program complete the first semester of the inter-disciplinary coursework emphasizing molecular aspects of cell biology, the second semester they complete Medical Neuroscience, along with research rotation(s). After the first year, graduate students in neuroscience complete advanced neuroscience coursework and their dissertation research. A total of 90 credit hours are required for a PhD in Neuroscience.

An application is filed with the Office of Admissions and is accompanied by official transcripts and results of the Graduate Record Examination (GRE), and TOEFL for foreign applicants. Three letters of recommendation that address the candidate's research potential and suitability for graduate school and a goals/purpose statement are also required.

Students who already have a Master's degree or those who have completed graduate level coursework equivalent to the GPiBS curriculum and wish to apply for a PhD should contact directly the Graduate Program in Neuroscience. Admission for the non-thesis MS degree is also routed directly through the Graduate Program in Neuroscience. For more information about admission into the Graduate Program in Neuroscience, please call (405)271-6267.

MASTER OF SCIENCE DEGREE REQUIREMENTS

Admission requirements are the same for the MS degree as for the doctoral program. The Master of Science program has the option of a non-thesis master's degree with a minimum of 33 credit hours (3.0 GPA on all graduate level coursework). The course work consists of required or core courses and elective courses selected based on individualized career plans. A maximum of 8 graduate credit hours can be transferred from other institutions. For the non thesis masters degree, a satisfactory performance on a comprehensive exam is required.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

All doctoral students must successfully complete 90 credit hours of course work, pass a written and oral qualifying examination, and defend their dissertation research in a public forum. In addition, students will be required to participate in the Seminar Series, Neuroscience Symposium, Neuro Nights and take the following courses: Neurobiology of Disease, Neuroanatomy, Neurophysiology, Neuroscience Journal Club, Current Topics in Neuroscience, and Neuroscience Methods.

CAREER OPPORTUNITIES

The interdisciplinary nature of the Graduate Program in Neuroscience provides students with the breadth of knowledge and technical acumen that is highly sought in today's competitive job market. Therefore, individuals who graduate with a PhD in Neuroscience have a number of exciting and rewarding career opportunities in academic research, biotechnology, pharmaceutical companies, teaching, medical and technical writing, and health and bioscience management.

Career opportunities in neuroscience are expected to increase with countless diseases affecting the nervous system still in need of a cure. The importance of Neuroscience is better shown by the listed statistics. An estimated 4.5 million Americans have Alzheimer's disease and that number expected to double by 2025 and an estimated 400,000 Americans have Multiple Sclerosis with 200 more people being diagnosed weekly. A staggering 2.7 million Americans of all ages are affected by epilepsy and seizures, and the list continues with Huntington's Disease, Lou Gehrig's Disease, Strokes and many others. Paul Lauterbur, Sir Peter Mansfield, Roderick MacKinnon, Linda Buck and Richard Axel are the latest of a long string of neuroscientists who have been named Nobel Laureates. Neuroscience is an exciting frontier. We invite you to become a part of this discovery process.

5.12 - Nursing

College of Nursing

Nursing

1100 N. Stonewall
Oklahoma City, OK 73190
(405) 271- 2428

<http://nursing.ouhsc.edu/Academics/Doctoral/PhD-in-Nursing>

Gary Loving, PhD, RN, Interim Dean

Melissa Craft, PhD, APRN-CNS, AOCN, Senior Associate Dean, Interim, and Associate Professor

Barbara W. Carlson, PhD, RN, FGSA, Associate Dean for Research and Professor

Emily J. Jones, PhD, RNC-OB, FAHA, FPCNA, PhD Program Director, Graduate Liaison and Associate Professor

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://nursing.ouhsc.edu/AboutTheCollege/FacultyDirectory.aspx>

DEGREES OFFERED

Doctor of Philosophy

AREAS OF SPECIALIZATION

- PhD in Nursing – 90 hours

DOCTOR OF PHILOPHY (PhD) in NURSING DEGREE

The PhD Program in Nursing is designed to prepare nurse scholars to advance the science, art, and practice of the discipline. Doctoral preparation in Nursing Science promotes knowledge development, organization, and application of theory and evidence-based scholarly nursing practice. Our PhD program prepares nurses to develop and utilize knowledge in many roles, including:

- Researcher
- Educator
- Administrator
- Clinician
- Health care policy maker

PhD students' research will be consistent with one or more faculty member's expertise, somewhere within the continuum of vulnerabilities across diverse populations. See Faculty Research. Courses are competency-based. The intent is for the PhD program to be distance accessible. While students may elect to take cognates or electives in traditional onsite settings, the PhD in Nursing curriculum offers courses that are completely online.

ADMISSION REQUIRMENTS FOR THE PHD IN NURSING

1. Applications and supplementary documents are submitted through NursingCAS at: <http://nursingcas.liasoncas.com>
2. Graduate Record Exam (GRE) scores taken in the past five years of the application date for Verbal, Quantitative, and Writing exams. Verbal 550 or above (old scoring) or 156 or above (new scoring). Quantitative 550 or above (old scoring) or 146 (new scoring). Writing 4 or above.
3. TOEFL for international applications (no more than two years old). The desired scores are at least 600 for the paper-based test or 100IBT.
4. Goal Statement. See application for guidelines for statement. Please indicate your area(s) of research interest or focus.
5. Three letters of recommendation (use recommendation form file for recommendations).
6. Official Transcripts from each school previously and currently attended. Cumulative grade point average of 3.5 on a 4.0 scale for Master's and subsequent coursework is desired.
7. Transcripts from Undergraduate degree coursework (GPA of 3.5 or above is desired).
8. Copy of resume or Curriculum Vita (CV).
9. Supplemental Application for the PhD in Nursing Program
10. Interviews with at least two PhD nursing faculty members, in person or via telephone conference (we arrange this).
11. Computer Requirements for OUCN Students—Specific computer, software and internet requirements will be shared with students at orientation.

CAREER OPPORTUNITIES

Nursing graduates have excellent employment opportunities in all geographic regions.

Current Courses: Search NURS prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=GRAD>

5.13 - Nutritional Sciences

College of Allied Health

Nutritional Sciences

1200 N. Stonewall Avenue
Oklahoma City, OK 73117-1215
(405) 271- 2113

<http://alliedhealth.ouhsc.edu/Departments/NutritionalSciences.aspx>

[Norman Hord](#), PhD, Chair

Susan Sisson, PhD, RDN, CHES, FACSM, Program Director, Graduate Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site
<http://alliedhealth.ouhsc.edu/Departments/NutritionalSciences/NSFacultyandStaff.aspx>

DEGREES OFFERED

Master of Science

AREAS OF SPECIALIZATION

Nutritional Sciences

PROGRAM OBJECTIVES

The graduate program in the Department of Nutritional Sciences is a flexible program whose primary goal is to provide advanced education, training, and research to selected students desiring to develop mastery in an area of nutrition.

ADMISSION REQUIREMENTS

1. Submission of completed application (including supplemental application from the College of Allied Health);
2. Minimum 3.0 cumulative GPA on last 60 hours of undergraduate work or the last twelve hours of graded graduate course work (please note: in calculating GPA, the entire semester in which the last 60 hours fall is counted);
3. Department interview;
4. TOEFL score of 550 or greater from a student for whom English is a second language;
5. B.S. degree (from accredited college or university) in nutrition or dietetics, or permission of Department;
6. Completion of the following prerequisites: Biochemistry; Human Physiology; Introductory Nutrition.

MASTER OF SCIENCE DEGREE REQUIREMENTS

This degree program requires a minimum of 34 semester hours, and students may pursue either a thesis or a non-thesis option. The thesis option requires 17-19 hours of core course work (seminar, research methods, statistics, thesis, energy nutrients, and non-energy nutrients); 10 additional hours are to be taken from Departmental offerings, and the remaining five-seven hours may be electives from any area. The non-thesis option requires 16 hours of core course work (seminar, research methods, statistics, masters project, energy nutrients, and non-energy nutrients); 12 additional hours are to be taken from Departmental offerings, and the remaining six hours may be taken from any area.

CAREER OPPORTUNITIES

A wide variety of job opportunities are available for graduates of the program. Graduates may be employed in public health settings, hospitals, clinics, local/state/federal government agencies, wellness centers, private practice, food companies, universities (teaching and research), private industry, and other areas. Marketability is significantly greater if the individual is registry-eligible or a Registered Dietitian.

Current Courses: Search NS prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=AH>

5.14 - Occupational and Environmental Health

College of Public Health

Occupational and Environmental Health

801 NE 13th St.
Oklahoma City, OK 73190
(405) 271- 2070

<http://publichealth.ouhsc.edu/AboutUs/Departments/OccupationalEnvironmentalHealth.aspx>

[David Johnson](#), PhD, Chair and Graduate Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site:

<http://publichealth.ouhsc.edu/FacultyandStaff/FacultyandStaffContacts/OccupationalandEnvironmentalHealth.aspx>

GRADUATE DEGREES OFFERED

Master of Science
Doctor of Philosophy

AREAS OF SPECIALIZATION

The Department of Occupational and Environmental Health strives to unite interdisciplinary training and research for persons grounded in natural, physical, and health sciences. This facilitates understanding of human responses to the environment and environmental responses to the activities of humans. Flexible and diversified graduate study, field training, and basic and applied research accommodate students from a wide range of academic and occupational backgrounds. The Doctor of Philosophy degree requires in-depth study in a specialty within the broad field of occupational and environmental health. The Master of Science program in Industrial Hygiene and Environmental Health Sciences is accredited by the Applied and Natural Science Accreditation Commission of ABET, <http://www.abet.org>.

PROGRAM OBJECTIVES

The environment encompasses not only the natural surroundings -- the air, the water, the plants and animals used for food -- but also shelter, occupational environments, modes of transportation and all other products of technology, including pollutants and waste materials, all of which interact to affect health. Environmental considerations become increasingly important during these times of changing emphasis in the fields of energy, economics, and technology.

The objective of the Department of Occupational and Environmental Health is to unite an interdisciplinary training and research program for persons grounded in natural, physical, and health sciences in order to develop an understanding of human response to the environment, as well as the response of the environment to the activities of humans.

Toward this end, the department has developed flexible and diversified programs of graduate study, field training, and basic and applied research to accommodate students with a wide range of academic and occupational backgrounds. Most courses are offered in the late afternoon and evening format for the convenience of practicing professionals.

Master of Science (MS) Degree in Industrial Hygiene & Environmental Health Sciences

Graduates of the Master of Science program in Industrial Hygiene and Environmental Health Sciences at the University of Oklahoma Health Sciences Center will be professional practitioners who apply scientific knowledge to the anticipation, recognition, evaluation, and control of environmental hazards or stresses affecting human health. Competencies demonstrated by graduates will include the ability:

- To identify overt and potential health hazards in the workplace and to apply analytical skills in the evaluation of those health risks;
- To effect control of workplace hazards through application of engineering, administrative, or personal protective procedures;
- To educate workers and management concerning occupational hazards and the prevention of occupational health problems;
- To apply knowledge of the regulations of various agencies having occupational health and safety functions;
- To function on multidisciplinary teams to protect and enhance worker health.

Additionally, graduates will work effectively in positions with responsibility for elements of environmental management, such as compliance with environmental regulations or planning and budgeting of environmental projects.

Graduates will aspire to and achieve professional certification, such as the Certified Industrial Hygienist (CIH) credential, appropriate to their employment history and circumstances.

Graduates will communicate technical and business information accurately and effectively.

ADMISSION REQUIREMENTS

In addition to the general admission requirements, applicants to the Department must also meet the following criteria: Baccalaureate degree (120 semester hours minimum) with a 3.00 GPA in the last 60 hours; a minimum of 36 semester hours of undergraduate and/or graduate-level courses in basic sciences, mathematics, engineering and technology, with at least 9 of these credit hours at the upper level (junior, senior or graduate).

Basic Sciences (e.g. physics, chemistry, and the life and earth sciences). At least 12 hours in chemistry to include organic chemistry, one course in physiology, biochemistry, or other appropriate life science course, and one course in physics are required.

Mathematics including College Algebra, which is required, and differential and integral calculus, which are desirable. Some computer science and statistics courses may be considered applied mathematics and included in this category.

Engineering and Technology courses are those that apply mathematics and basic sciences to creative applications and viable solutions.

Also required is a minimum of 21 semester hours in communications, humanities, and social sciences.

Those who matriculate with deficiencies up to 12-semester hours credit of these requirements will be required to meet the full entrance requirements within the first 20 semester credit hours of graduate course work. No course taken as part of a degree program requirements can be used to satisfy the admission criteria.

In addition to the general admission requirements, applicants must submit three letters of reference that support admission to the program and assess the applicants' scholastic and professional abilities.

The Graduate Record Examination (GRE) is required for all programs.

MASTER OF SCIENCE DEGREE REQUIREMENTS

Including thesis credit, a minimum of approximately 48 semester hours is required to complete the degree, with a maximum of nine semester hours of approved transfer work. With written approval of both the student's departmental chair and the chair of the offering department, a more advanced course may be substituted for any of the core courses. A thesis research training project is required for all MS students, except that the thesis may be waived in favor of additional coursework if (a) the student has already completed a thesis as part of a previous masters degree and the thesis is deemed by the Department Chair and the faculty to represent research method training equivalent to that required by the department, or (b) the student can demonstrate command of research skills through first authorship of data-based peer-reviewed scientific publications as deemed acceptable by the department Chair and the faculty. A written comprehensive examination, including the thesis defense (except when thesis has been waived), also is required.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

The Doctor of Philosophy in Occupational and Environmental Health (PhD OEH) degree is an advanced, research-oriented degree program requiring in-depth study of and research in a specialty area within the broad field of occupational and environmental health.

General requirements for admission and completion of the degree are consistent with those applicable to all PhD programs as described in the Graduate Bulletin. Minimum requirements are 90 semester hours, including approved transfer work but excluding any credit for research tools.

To be admitted to the PhD program, the candidate must hold a Master's degree from an accredited institution in a related field and display a clear research orientation and firm knowledge of research techniques. The Master's degree must be from an institution which has English as its primary language of instruction or the candidate must have scored a minimum of 90 (120 scale) on the TOEFL. The applicant must be accepted by the Department and be admitted into the doctoral program by the Graduate Dean. Applicants are also required to take the Graduate Record Exam (GRE).

CAREER OPPORTUNITIES

A partial listing of locations where Occupational and Environmental Health graduates may be employed includes: private industry (especially in the energy sector); insurance companies that insure industry; city and state health departments; state departments labor and of environmental

quality; federal government agencies including the Department of Labor (Occupational Safety and Health Administration and Mine Safety and Health Administration), Department of Health and Human Services (the National Institute for Occupational Safety and Health and the Center for Disease Control and Prevention), the Department of Energy (e.g. the National Laboratories), and the US Environmental Protection Agency, to name a few; the uniformed services (Navy, Army, Air Force, Public Health Service, and Coast Guard) both as civilian employees and uniformed officers; consulting companies; law firms; health and safety equipment manufacturers and marketers; healthcare facilities and organizations; and universities.

Current Courses: Search OEH prefix courses found online at

<http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=PH>

5.15 - Orthodontics

College of Dentistry

Orthodontics

1201 North Stonewall, Rm. 400
PO Box 26901
Oklahoma City, Oklahoma 73190

dentistry.ouhsc.edu/ProspectiveSTudents/ProgramsOffered/AdvancedEducationPrograms/GraduateOrthodontics.aspx

Onur Kadioglu, DDS, MS, Graduate Program Director

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<https://dentistry.ouhsc.edu/ProspectiveStudents/ProgramsOffered/AdvancedEducationPrograms/GraduateOrthodontics/DepartmentFaculty.aspx>

DEGREE OFFERED

Master of Science

AREAS OF SPECIALIZATION

Orthodontics and Dentofacial Orthopedics

PROGRAM OBJECTIVES

To meet the need for patient care and research in the field of orthodontics, a graduate program in this dental specialty was established in 1981. The program prepares dental graduates to manage the full range of dentofacial discrepancies which fall within the responsibility of the orthodontist. Current knowledge and research findings are applied to patient care in all age groups. A thesis is required. The degree awarded is a Master of Science, with orthodontics as the area of specialization.

ADMISSION REQUIREMENTS

All students in the graduate program must hold a DDS or equivalent. To be accepted for admission, the applicant must submit a letter of recommendation from the dean of the dental school which awarded the degree that includes class rank and dental school grade point average of the applicant. Three additional letters of recommendation are required; at least two of these letters should be from former faculty. A personal interview will be requested of applicants.

The length of the program is a minimum period of 30 months. Additional time commitment may be required for satisfactory completion of clinical and thesis requirements. The program begins on July 1 of each year. Deadline for application is September 1 of the year preceding the year of desired admission. Potential students are asked to correspond directly with the department for additional information about the graduate program.

MASTER OF SCIENCE DEGREE REQUIREMENTS

Patients assigned for treatment under faculty supervision will present a spectrum of orthodontic problems. Before graduating, the student must be deemed proficient in both didactic course work and the clinical discipline of orthodontics by department faculty. The core curriculum consists of 36 credit hours including sciences that are basic to orthodontics. In addition, the student will be registered for a minimum of eight credit hours in Research for Master's Thesis and eight credit hours in Clinical Practice of the specialty. The student also may be required to register for courses with variable credit hours. The program involves 70 credit hours.

The master's thesis, based on original research, may focus on a number of topics in growth and development, as well as function of the stomatognathic system. Other areas for study include craniofacial 2D and 3D imaging, 3D printing, temporary anchorage devices, factors related to balance or imbalance of dental occlusion, temporomandibular joint dysfunction, effects of various types of orthodontic mechanotherapy, testing of biomaterials relevant to orthodontic practice, biologic tissue response including white spot lesions, and psychosocial impact of malocclusion and its treatment on patients. Facilities exist at the Health Sciences Center to conduct research related to these topics. Students will be assigned limited clinical, didactic and laboratory teaching responsibilities in the predoctoral orthodontic program.

CAREER OPPORTUNITIES

Most orthodontists have full-time private practices of the specialty. However, there are other career opportunities, one of which is academics. There are opportunities also with the military and the public health services. Part-time opportunities in academics may also be available.

Current Courses: Search ORTHO prefix courses found online at

<http://dentistry.ouhsc.edu/ProspectiveStudents/ProgramsOffered/AdvancedEducationPrograms/GraduateOrthodontics/Curriculum.aspx>

5.16 - Pathology

College of Medicine

Pathology

940 Stanton L. Young Blvd.
Oklahoma City, OK 73190
(405) 271- 2693

<http://www.oumedicine.com/pathology/general-program-info>

Michael L. Talbert, MD, Chair
[Zhizhuang Joe Zhao](#), PhD, Graduate Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<https://www.oumedicine.com/department-of-pathology/general-program-info/faculty-staff>

DEGREES OFFERED

Doctor of Philosophy (PhD)

AREAS OF SPECIALIZATION

Molecular pathology, cancer biology, cancer therapeutics, immunopathology, vascular cell biology, neuropathology, autoimmunity, innate immunity, hematological malignancies, inflammation, Alzheimer's disease, aging, hematopoiesis, intracellular trafficking, signal transduction, and nanotechnology.

PROGRAM OBJECTIVES

The Graduate Program in Pathology seeks to further the missions of education/research and enhance the growth of biomedical sciences in Oklahoma by educating students in the basic and clinical aspects of Pathology and preparing scientists to be contributors in biomedical research. The discipline of Pathology encompasses and bridges basic and clinical research. Pathology uses cutting-edge molecular, immunologic, biochemical, and genetic tools to uncover the mechanisms of disease and how cells and tissues respond. Graduates of the program will be prepared for careers in biomedical research and for a future as an independent investigator.

ADMISSION REQUIREMENTS

Qualified students possessing baccalaureate degrees in a biological science, e.g. biology, biochemistry, cell biology, chemistry, microbiology, molecular biology, or zoology, may pursue a PhD degree in Pathology. Students desiring to enter the Pathology Graduate Program should apply to the Graduate Program in Biomedical Sciences (GPiBS). Application materials for GPiBS may be requested from Jennifer-Schlegel@ouhsc.edu. Applicants must follow the general admission procedures and requirements set forth by GPiBS. An application must be filled with the Office of Admissions and be accompanied by official transcripts, Graduate Record Examination (GRE) results, and, for foreign applicants, TOEFL results. In addition, three letters of recommendation from individuals who can address the applicant's research potential and suitability for graduate study are required. In special cases, students may apply for admission directly into the Pathology Graduate Program. For further information regarding admission into Pathology, contact rose-herrera@ouhsc.edu is also required.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

Pathology is a participating department in GPiBS, along with Biochemistry and Molecular Biology, Cell Biology, Microbiology and Immunology, Neuroscience, Pharmaceutical Sciences, and Physiology. GPiBS students participate in a common integrated first-year curriculum which includes three laboratory rotations from a list of mentoring faculty and attendance of seminars and journal club. After completing the GPiBS curriculum, a student may choose a research mentor (major advisor) affiliated with Pathology and set up an advisory committee. In the fall semester of the second year, Pathology graduate students will enroll in advanced courses pertaining to the study of pathology. A student will be allowed to enroll in advanced electives as deemed appropriate by his/her major advisor. A student directly admitted into the Pathology Graduate Program will be placed in the research mentor's laboratory without participating in the GPiBS rotations; however, the student will be required to complete the GPiBS curriculum unless equivalent course have been previously completed.

A Pathology graduate student must pass both written and oral qualifying examinations to be admitted to candidacy for the PhD degree. For the written examination, a student will submit an NIH-style research proposal. This proposal must also be defended at an oral examination where the student's ability to synthesize and apply information to investigative endeavors will be assessed. Successful completion of the written and oral examinations will result in formal admission to candidacy for the degree. The student's major advisor and advisory committee will be responsible for assisting with the research project and for preparing the student for a final defense of the dissertation. The student will be responsible for the cost and preparation of the dissertation.

CAREER OPPORTUNITIES

Students receiving a PhD degree in Pathology will be prepared for biomedical research careers in academic institutions, hospitals, biotechnology companies, and pharmaceutical industries.

Current Courses: Search PATH prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=MED>

5.17 - Periodontics

College of Dentistry

Periodontics

1201 N. Stonewall Avenue
Oklahoma City, OK 73190
(405) 271-6531

<http://dentistry.ouhsc.edu/ProspectiveStudents/ProgramsOffered/AdvancedEducationPrograms/GraduatePeriodontics.aspx>

Robin D. Henderson, DMD, MS, Program Director.

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site: <http://dentistry.ouhsc.edu/FacultyandStaff/FacultyDirectory.aspx>

DEGREE OFFERED

Certificate in Periodontics and Master of Science

AREAS OF SPECIALIZATION

Periodontics

PROGRAM OBJECTIVES

The Master of Science in Periodontics is a three-year program, fully accredited by the Commission on Dental Accreditation (CODA). The overall objective of the program is to graduate expert periodontists with a strong background of comprehensive clinical experience, current basic science knowledge relevant to dentistry and periodontics, and knowledge and experience of research methodology. Graduates of the program are well equipped for successful careers in clinical practice, dental education, and research. Successful completion of the 36-month program leads to the Master of Science degree awarded by the OUHSC Graduate College.

ADMISSION REQUIREMENTS

All students in the Graduate Periodontics Program must hold a dental degree. Admission in full standing requires a letter from the dean of the dental school from which the dental degree was awarded. This letter must include the class rank and dental school grade point average of the applicant or explain their school grading system. Two additional letters of recommendation are desired; at least two of these letters should be from former faculty. A personal interview may be requested of applicants. Students begin the 36-month program in July of each year. Deadline for application is August 15, of the year preceding desired admission. All students must be approved for admission by the Dean of the Graduate College, upon recommendation of the program director.

MASTER OF SCIENCE DEGREE REQUIREMENTS

The curriculum of the program is designed to meet the formal educational requirements for eligibility to take the certification examination of the American Board of Periodontology. The program has an emphasis on advanced level academic courses, clinical patient care, and research. In addition to the biological, medical and dental courses, a significant emphasis is placed on clinical patient care, including evidence-based approaches to diagnosis and treatment planning, a variety of treatment modalities, and maintenance therapy for complex periodontal cases. The clinical and research experience in this graduate program is advanced and sophisticated in nature to qualify the graduate student to perform complicated procedures that are beyond the scope of general practitioners. In addition to completing all course work, successful completion of the program requires a research-based thesis in order to receive the Master of Science degree.

CAREER OPPORTUNITIES

Graduates of the Advanced Education in Periodontics program are prepared to enter careers in clinical practice, teaching and research and are eligible to take the American Board of Periodontology certification examination.

5.18 - Graduate Pharmaceutical Sciences

College of Pharmacy

Graduate Pharmaceutical Sciences

1110 N. Stonewall Oklahoma City, OK 73126-0901 (405) 271-6485

<http://pharmacy.ouhsc.edu/programs/graduate-programs>

Nathan Shankar, PhD, Chair and Graduate Liaison

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site and select "Graduate Pharmaceutical Sciences" in the drop-down menu for departments:

<http://apps.ouhsc.edu/newfacappt/>

DEGREES OFFERED

Master of Science

Master of Science/Doctor of Pharmacy

AREAS OF SPECIALIZATION

Medicinal Chemistry, Nuclear Pharmacy, Pharmaceutics, Pharmacology, Infectious Disease, Toxicology, Pharmacy Administration

PROGRAM OBJECTIVES

The Department of Graduate Pharmaceutical Sciences offers graduate degree programs leading to both the Master of Science and Doctor of Philosophy degrees. These degree programs are designed to prepare scientists-educators-practitioners for careers in pharmaceutical education, research, industry, and related areas of specialized practice. Pharmaceutical sciences graduate students may specialize in various aspects of pharmaceutical research; individual programs of study and research projects within each of these areas are quite diverse because of interdisciplinary activities of the department.

ADMISSION REQUIREMENTS

Individuals interested in graduate study in pharmaceutical sciences are encouraged to contact the College of Pharmacy as early as possible for assistance and advice in undergraduate preparation, academic and career planning, the admissions process, and related areas. Prospective students are encouraged to visit the college in person to explore the graduate program.

Admission into the graduate degree program in pharmaceutical sciences is contingent upon meeting the requirements of both the Graduate College and the department as well as availability of sufficient resources for the student's program of study. Admission requires the approval of the College of Pharmacy Graduate Affairs Committee and the Dean of the College of Pharmacy.

Applicants for the graduate degree program in pharmaceutical sciences must submit a completed OUHSC application with all required supporting documents.

Current Courses: Search PHSC prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=PHAR>

5.19 - Physiology

College of Medicine

Physiology

940 Stanton L. Young Blvd.
Oklahoma City, OK 73190
(405) 271-2226

<http://oumedicine.com/physiology>

[Jian-Xing Ma](#), PhD, Chair

Willard M. Freeman, PhD, Program Director

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site <http://www.oumedicine.com/physiology/department-information/faculty>

DEGREES OFFERED

Master of Science

Doctor of Philosophy

AREAS OF SPECIALIZATION

Angiogenesis and Inflammation in Diabetic Retinopathy; Retinal Degeneration/Inflammation/Vitamin A Metabolism; Insulin Receptor/Phosphoinositide Signaling in Retinal Diseases; Obesity-Associated Metabolic Disorders; Systems Neurobiology of Aging and Diabetes; Cardiovascular Physiology and Neurophysiology; Geroscience; Gastrointestinal Disorders; Tumor Progression and Metastasis.

PROGRAM OBJECTIVES

The Physiology graduate program provides comprehensive training in integrative sciences incorporating the tools and techniques of physiology with other disciplines to conduct research at the molecular, cellular, organ, and whole animal levels. The PhD program prepares students for academic careers involving research and teaching, as well as other careers in industrial, government, and other areas where physiological training is required.

ADMISSION REQUIREMENTS

The department supports both the MS and the PhD Programs. For the PhD program, the department of Physiology is a participant in the interdisciplinary [Graduate Program in Biomedical Sciences \(GPiBS\)](#). Students wishing to enter the Physiology PhD program apply to GPiBS as described in the GPiBS section of the Bulletin. Applicants can also be admitted directly into the Physiology PhD program with the same requirements as the GPiBS admission process.

MASTER OF SCIENCE DEGREE REQUIREMENTS

The MS degree is offered with a thesis (30 credit hours) or non-thesis (32 credit hours) option. For the thesis option four hours of PHYO 5980 are

required. For either option, no more than one hour of PHYO 5971 can be taken for credit.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

The minimum credit requirement for the PhD degree is 90 semester hours of classwork and research. Requirements for the degree can usually be met in four years. During the first year, the student completes interdisciplinary course work emphasizing molecular aspects of cell and organismal biology, along with at least three and up to six research rotations. For the subsequent years, the student enters the Physiology PhD program, takes the advanced physiology class and performs dissertation research in close collaboration with the major professor and doctoral committee. Course credit can be given for previous Master's work.

CAREER OPPORTUNITIES

Individuals who graduate with a PhD in Physiology have a number of exciting and rewarding career opportunities in academic research, teaching, biotechnology, government laboratories, industry, and health-related organizations.

Current Courses: Search PHYO prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=MED>

5.20 - Radiological Sciences

College of Medicine

Radiological Sciences

800 NE 13th St.

Oklahoma City, OK 73190

(405) 271-5125

<http://www.oumedicine.com/department-of-radiological-sciences>

[Jagadeesh Sonnad](#), PhD Director of Medical Physics Education Program

[Susan Gaston](#), Administrator

FACULTY ROSTER

For a complete listing of the departmental graduate faculty visit this web site

<http://www.oumedicine.com/department-of-radiological-sciences/general-information/faculty>

DEGREES OFFERED

Master of Science

Doctor of Philosophy

AREAS OF SPECIALIZATION

Medical Physics, subspecializing in the Physics of Radiation Therapy, Diagnostic Radiology, Nuclear Medicine, Ultrasound, Computed Tomography and Magnetic Resonance Imaging.

PROGRAM OBJECTIVES

Medical physics is an applied branch of physics that deals with medical imaging and applications in the treatment of disease and is closely allied with bioengineering and health physics. Medical imaging covers multiple modalities including diagnostic radiology, nuclear medicine, ultrasound, computed tomography, and magnetic resonance imaging while radiation therapy, a major subspecialty in medical physics, is concerned with the treatment of disease.

The medical physics program strives to provide a rigorous well rounded and clinically based training that is current in both diagnostic and radiation therapy physics. The graduate program in the Department of Radiological Sciences offers both MS and PhD degrees in medical physics.

Potential students are encouraged to correspond directly with the coordinator to obtain descriptive information on the profession of Medical Physics and the MS and PhD programs.

ADMISSION REQUIREMENTS

In addition to the general requirements listed in the Graduate College bulletin, applicants must present clear evidence of a strong foundation in chemistry and mathematics, as well as in both written and spoken English. Applicants must have also acquired a high degree of proficiency in physics with coursework equivalent to a baccalaureate minor in physics. The required coursework consists of the following courses and semester hours:

1. Calculus (at least 8 semester hours) and Differential Equations (3 semester hours)
2. Calculus-based General College Physics (at least 8 semester hours), Modern Physics (3 semester hours) and at least two other Upper Level Undergraduate Physics Courses (3 semester hours each for a total of 6 hours)
3. General College Chemistry (at least 4 semester hours)
4. College Level Anatomy and Physiology (at least 4 semester hours)

A maximum of two courses may be missed from this list prior to application. The missing course(s) must be completed with grade(s) of not less than a B within one calendar year of first enrollment in the graduate program. Credits acquired before or after enrollment to meet these

minimum entrance requirements do not count towards degree-granting program.

In addition to the course requirements, applicants are expected to have taken the Graduate Records Exam (GRE). A minimum score of 400 in the verbal portion and a combined score (verbal plus quantitative) exceeding 1100 are required for admission.

Applicants to the doctor of philosophy program must meet additional requirements. They should present evidence of highly successful completion of a master's degree with a thesis option in medical physics or related fields. Three reference letters are also required.

MASTER OF SCIENCE DEGREE REQUIREMENTS

Candidates for the Master of Science degree in Radiological Sciences must complete a thesis based on their own research and must complete the following courses: RADI 5024, 5222, 5824, 6864, 6874, and 6884. The required number of semester hours for the MS degree is 32 with no more than six hours to be earned in RADI 5980, MS Thesis Research. The remainder of program requirement may be completed with graduate level courses from Radiological Sciences or graduate studies in appropriate academic areas which have been approved by the advisor or advisory committee.

Every student in the graduate program of the Department must present a seminar every year. Entering students shall complete prerequisite courses with a grade of B or better within the first 12 months of enrollment or prior to enrollment. Completion of this requirement will not be given graduate credit in the Radiological Sciences Graduate Program.

DOCTOR OF PHILOSOPHY DEGREE REQUIREMENTS

Candidates for doctoral degree must complete a minimum of 90 post-baccalaureate semester credit hours. Doctoral students are required to complete the Radiological Sciences core courses (or their equivalents) for the master's degree described above.

All doctoral students are required to complete 10 additional hours beyond the core courses required for the masters students. They consist of (1) BMSC 5001 (Integrity in Scientific Research) or equivalent, (2) RADI 5303, (3) a 3 credit hour graduate course from one of the three area, mathematical physics/advanced statistics/numerical modeling, and (4) a 3 credit hour medical imaging course, currently offered as RADI 6960.

Two tracks of study, namely, diagnostic and radiation therapy, are available for doctoral students. Doctoral students are expected to complete 6 credit hours in their track specialization. For the diagnostic track this consists of RADI 5643 and a 3 credit hour course in MRI/CT/PET or a course recommended by the advisory committee. For the radiation therapy track, this consists of 3 hours selected from Radiobiologic modeling / Monte Carlo modeling/ advisory committee recommended course and another 3 credit hours selected from Proton Therapy / IMRT / IGRT / advisory committee recommended course. Apart from the advisory committee recommended courses, the other courses are currently offered as RADI 6960.

A maximum of 30 semester hours for enrollment in RADI 6980 count towards the total requirement of 90 hours. The remainder of program requirement may be completed with graduate level courses from Radiological Sciences or graduate studies in appropriate academic areas which have been approved by the advisory committee. Every student in the graduate programs of the Department must present a seminar every year.

Doctoral students must pass the departmental General Qualifying Examination before they can be admitted to candidacy. This examination consists of a written and an oral portion and may contain questions on any aspect of the Radiological Sciences. The General Examination consists of six subjects: production and absorption of radiation, radiation detection and measurement, physics in diagnostic radiology (including magnetic resonance imaging and ultrasound), physics in nuclear medicine, physics in radiation therapy and radiation biology. Questions on radiation safety will be included. The General Examination should be satisfied within 3 years of enrollment into the program. Once a student becomes a candidate, the student will be expected to complete original research which represents a significant contribution to the field of Medical Radiological Sciences (Research for the Doctoral Dissertation).

For a doctoral student who has failed the General Examination, does not hold the master's degree in medical physics, but has otherwise met all the departmental and graduate college requirements for the master's degree, the following option is available: if the student has achieved satisfactory performance in at least four subject categories in the written portion of the general examination and has achieved grades of B or better in the graduate courses of the remaining subjects, he or she may request to be considered for a non-thesis master's degree in Radiological Sciences.

CAREER OPPORTUNITIES

Medical Physicists contribute in the subspecialty areas of Diagnostic Radiological Imaging, Radiation Oncology and Nuclear Medicine. Graduation from this program with the MS or PhD degree qualifies the individual for an entry level position in Medical Physics working with experienced individuals within medical facilities and with private medical physics groups across the United States. Currently, a significant number of openings exist nationally, with the majority of these being in the radiation oncology medical physics area. Position openings are advertised in a number of professional publications such as those of the American Association of Physicists in Medicine (AAPM) (www.aapm.org). The individual's marketability increases with experience and with professional certification. Professional Certification is offered through the American Board of Radiology (ABR) (www.theabr.org), the same board providing professional certification of radiologists and radiation oncologists, and is recognized by the prestigious American Board of Medical Specialties (www.abms.org).

Current Courses: Search RADI prefix courses found online at <http://apps.ouhsc.edu/StudentInfo/Courses.aspx?College=MED>