



The UNIVERSITY of OKLAHOMA
GALLOGLY
COLLEGE OF ENGINEERING

www.ou.edu/coe
(405) 325-4536 | engineering@ou.edu
facebook.com/GCOEgradcommunity

For accommodations, please call the Gallogly College of Engineering at (405) 325-5811.
The University of Oklahoma is an equal opportunity institution. www.ou.edu/eoo.
This publication, printed by the Gallogly College of Engineering, is issued by the University of Oklahoma.
200 copies have been prepared and distributed at no cost to the taxpayers of the State of Oklahoma.

Discover
GRADUATE PROGRAMS
at the Gallogly College of Engineering



Graduate Degrees

Master of Science

Aerospace Engineering	Engineering (General)
Biomedical Engineering	Engineering Physics
Chemical Engineering	Environmental Science
Civil Engineering	Industrial Engineering
Computer Science	Mechanical Engineering
Data Science and Analytics	Telecommunications Engineering (OU-Tulsa)
Electrical & Computer Engineering	

Doctor of Philosophy

Aerospace Engineering	Engineering (General)
Biomedical Engineering	Engineering Physics
Chemical Engineering	Environmental Science
Civil Engineering	Industrial Engineering
Computer Science	Mechanical Engineering
Electrical & Computer Engineering	

Dual-Degree Programs

Biomedical Engineering & Medicine Ph.D./M.D.	Chemical Engineering-Biotechnology/Biomedical
Accelerated Degrees (B.S./M.S.)	Chemical Engineering-Pre-medical/Biomedical
Aerospace Engineering	Civil Engineering
Chemical Engineering	Civil Engineering-Architectural Engineering
Chemical Engineering/Biomedical	

Graduate Student Community

The Gallogly College of Engineering Graduate Student Community seeks to connect and encourage engineering graduate students at the University of Oklahoma. Cultural events, food festivals and other social activities provide students the opportunity to develop friendships. Professional development seminars, research symposiums and poster fairs allow students to work collaboratively with one another while gaining training and practice to perfect important skills needed to join the work force.

Get connected at facebook.com/GCOEgradcommunity.



Schools and Programs

School of Aerospace and Mechanical Engineering

offers a broad range of opportunities for advanced academic study and research in the fields of aerospace and mechanical engineering and in the underlying engineering sciences. Each student's background and aspirations are considered in the admission evaluation, and a unique synthesis of program strengths and resources are reflected in the development of an academic plan and area of research study.

www.ou.edu/coe/ame

Stephenson School of Biomedical Engineering

provides graduate students with a solid core of knowledge through broad-based, rigorous coursework, and a multidisciplinary research thesis project. Life science courses complement graduate offerings, and in coordination with the University of Oklahoma Biomedical Engineering Center, students work closely with scientists, physicians and engineers to learn experimental and quantitative approaches to investigation and design. Our primary goal is to have skilled and knowledgeable graduates prepared for industrial, academic, entrepreneurial or government careers.

www.ou.edu/coe/sbme

School of Chemical, Biological and Materials Engineering

conduct cutting-edge research in biofuels, nanotechnology, biochemical and biomedical engineering, environmental remediation, and other areas in projects sponsored by federal, state and private funding agencies. Graduates of CBME are highly sought after by industry and academia. Companies such as 3M, ConocoPhillips, ExxonMobil, DuPont, Procter and Gamble, Samsung, and Unilever have hired CBME graduates.

www.ou.edu/coe/cbme

School of Civil Engineering and Environmental Science

provides a high-quality educational experience for graduate students in the areas of architectural, environmental, geotechnical, structural and transportation engineering, and environmental science through multimedia-based instruction, laboratory experiences and student mentoring. The products of this experience are engineers and scientists capable of critical thinking, devoted to a lifetime of learning, and highly sought after by both industry and academic professionals.

www.ou.edu/coe/cees

School of Computer Science

graduate students have the opportunity to explore the exciting and dynamic technical discipline of computer science. From its inception just 50 years ago, computer science has become the basis for much of the growth in today's global economy. Graduate students have the opportunity to study with nationally and internationally recognized faculty in computer science and explore a plethora of career opportunities available in the field.

www.ou.edu/coe/cs

School of Electrical and Computer Engineering

research activities span a variety of areas of specialization as well as a variety of interdisciplinary subjects. Graduate students have an opportunity to select a research topic in one of the many exciting research programs being pursued by our faculty. In many cases, these research programs have funding to support the student participants during the period of their thesis research.

www.ou.edu/coe/ece

Engineering (General)

General Engineering M.S. and Ph.D. programs are designed to provide students flexibility to pursue a multidisciplinary curriculum not available through a traditional departmental track. It is founded upon multiple faculties and is geared to address individual student needs in preparation for careers in advanced engineering or related science areas.

www.ou.edu/coe/graduate/programs/GenEngineering

Engineering Physics prepares students for careers in areas of technology where the disciplines of physics and engineering intersect. Our program provides an interdisciplinary environment in which pure and applied sciences merge. The curriculum is designed to develop sufficient depth in both engineering skills and physics knowledge to produce engineers who are able to relate fundamental physical principles to practical problems in engineering.

www.ou.edu/coe/ephysics

School of Industrial and Systems Engineering

graduate students learn to design systems and processes for all industries. They determine the most effective way to integrate a diverse set of activities in an organization involving people, materials, facilities, finances, equipment, energy, and information to produce a product or service. A wide variety of applications are possible depending upon the interests of the student: systems modeling and analysis, operations research, human factors and ergonomics, and production and manufacturing systems. We offer a number of traditional and cutting-edge industrial engineering courses, and we allow our students to explore courses outside of ISE coursework.

www.ou.edu/coe/ise

Centers and Labs

Research Centers

Atmospheric Radar Research Center
Center for the Study of Wireless Electromagnetic Compatibility
Institute for Energy and the Environment
Oklahoma Bioenergy Center
Southern Plains Transportation Center
Carbon Nanotube Technology Center
Center for Restoration of Ecosystems and Watersheds
Center for the Study of Human Operator Performance
Center for Symbiotic Media Research
Dynamic Structures Sensing and Control Center
Institute for Applied Surfactant Research
International Center for Natural Hazards and Disaster Research
Shape Engineering for Advanced Manufacturing
Sooner Engineering Education Center
University of Oklahoma Biomedical Engineering Center
University of Oklahoma Center for Biomass Refining
Water Technologies for Emerging Regions

Selected Laboratories

Biomechanics Lab
Biomedical Optics and Electronic Imaging Labs
CBME Materials Characterization Facilities
Cell/Tissue Culture Core Facility
Cognitive Assessment and Systems Engineering Lab
Combustion and Flame Dynamics Lab
Computational Optimization and Production Logistics Lab
Concurrent Design and Manufacturing Research Lab
Donald G. Fears Structural Engineering Lab
Engineering Media Lab
Heat Transfer Lab
Intelligent Robotics Lab
Intelligent Transportation Systems Lab
Laboratory for Engineering Living Tissue Systems
Laboratory for Novel Biosensors
Machining and Precision Lab
Nanostructured Materials Theoretical and Applied Research Facilities
Product and Process Design Lab
Radar Innovations Lab
Ray Broce Asphalt Materials Lab
Simulation Analysis and Stochastic Systems in Industrial Engineering Lab



The Gallogly College of Engineering is committed to fostering creativity, innovation and professionalism through dynamic research, development and learning experiences. We are committed to attracting a talented and diverse student body, and we empower our students through life-changing learning experiences, high-impact discoveries and innovations. Graduate programs, research and creative activity are key components in realizing this vision.

With nationally and internationally renowned faculty, world-class research facilities and talented students, we are leaders in a number of areas including weather radar, water resources, biomedical imaging, surface transportation and safety, and advanced materials. These areas of excellence, and many others, provide the foundation upon which our comprehensive selection of graduate degrees are built, including 12 doctoral programs and 14 masters programs. This is a truly exciting time for graduate programs within the GCoE. We appreciate your interest and encourage you to contact us for further information.

John Antonio, Ph.D.

John K. Antonio

Senior Associate Dean
Howard & Suzanne Kauffmann Chair in Engineering