You are on a path to greater prosperity and knowledge of nature, science, and engineering. Our mission is to facilitate that quest. Our graduate courses range from bedrock courses in mechanics, thermal and fluid science, controls and dynamics, design and materials, to cutting-edge specialized topics courses in robotics, advanced vehicles and machinery, analysis, modeling and simulation, energy utilization and conservation, propulsion, tribology, and biomechanics. Graduate research provides an opportunity to experience the excitement and challenge of discovery.

The 2013 U.S. News and World Report ranking of the Texas A&M Graduate ME program is ranked #8 among public institutions, ahead of U. Wisconsin-Madison, Virginia Tech, RPI, Ohio State, U. Maryland, NC State, U. Minnesota, Case Western and many other prestigious ME programs. The department has two Regents Professors and two University Distinguished Professors. Our faculty members regularly publish in leading professional journals and over half are editors or on the editorial board of national and international society journals. The annual externally funded research grants at the department are over $14 million. You will be joining nearly 400 exceedingly bright ME Masters and PhD student peers from the United States, Europe, Asia, and South and Central America.

Texas A&M University also offers many opportunities to take a break and enjoy the warm Texas sunshine, with numerous student clubs and intramural sports activities.

Best wishes for much success and happiness in the ME Graduate Program at Texas A&M University and in your future careers.

Dr. Daniel McAdams
Director of Graduate Studies
Department of Mechanical Engineering
Texas A&M University

Why Graduate School?
Graduate education offers the opportunity to gain specialized knowledge and experience in your field of interest in a dynamic, hands-on manner. It is a great chance to further explore your creativity, understanding in depth myriad facets of your subject in one of the most well facilitated programs in the world. Not only does a Graduate education provide greater employment opportunities and career advancement, it also brings a sense of accomplishment, and earns recognition. More than anything, the application of your higher education will enable you to make a difference in the world. Speak to a graduate advisor today! Call: 979-845-1270, Email: mechanical-gradprogram@tamu.edu

Why Texas A&M University?
Tradition and culture: Texas A&M University is rich in history and tradition. Once you are part of the ‘Aggie Family’ you have friends and colleagues for life.

Community: Texas A&M University is centrally located among three of the nation’s largest cities – Houston, Dallas, and Austin. Mild, sunny winters make the region eminently suitable for year-round activities. College Station ranks among the least expensive, and best cities in which to live in America. Read more: http://ogs.tamu.edu/prospective-students/bcs-community/

Student Life: Our students enjoy an active and fulfilling social life with ample entertainment and recreational facilities offered by Texas A&M and the cities of Bryan and College Station. The Student Recreation Center at Texas A&M is a nationally renowned state-of-the-art facility with 373,000 sq ft of indoor and outdoor recreational space. The Fightin’Texas Aggie football team is nationally acclaimed, and every game brings a festive atmosphere to the University. The Opera and Performing Arts Society (OPAS) presents professional productions of theatre, music and dance to Texas A&M. The Brazos Valley community has 924 acres of local parks, area lakes, golf courses and sport facilities. Read more: http://ogs.tamu.edu/prospective-students/student-life/

IT’S TIME FOR TEXAS A&M!
The mission of the PTC is to be a source of trained engineers and scientists, and to provide new technology and insight to the polymers industry. PTC serves to foster multi-disciplinary research within Texas A&M University.

http://ptc.tamu.edu

The Turbomachinery Laboratory conducts basic and applied research into important problems of reliability and performance of turbomachinery including everything from industrial machinery to the space shuttle’s main engine turbo-pumps. Research at the Turbolab is funded by various government agencies and industry.

http://turbolab.tamu.edu

The Energy Systems Laboratory is affiliated with the Energy Systems Group in the Department of Mechanical Engineering. The Lab focuses on energy-related research, energy efficiency, and emissions reduction, and has a total annual income for external research and testing exceeding $10 million.

http://esl.eslwin.tamu.edu

QUICK FACTS
Approximately 300 companies interview our graduates each year.

The average GRE score for graduate students admitted to the program is GRE Verbal - 153 and GRE Quantitative - 164 (Scale of 130 to 170).

Over $120,000 in graduate student fellowships are awarded annually.

Ranking among Public Institutions:
Undergraduate Program - 8th
Graduate Program - 9th

Graduate Student, Research, and Teaching Assistantships may be awarded and include: Tuition, Stipend, Family Medical Insurance and in most cases, Fees.

Multidisciplinary Courses - Students may take courses in a variety of engineering areas including:
Mechanical (9th)*
Chemical (17th)*
Electrical (14th)*
Aerospace (8th)*

(*) denotes ranking among public institutions

Degrees Available Include:
Master of Science, Ph.D, Master of Engineering (Distance Learning Only), Doctorate of Engineering

DEPARTMENT OVERVIEW

The average MEEN graduate student enrollment is slightly above 400 students.

Diversity is a hallmark of the graduate program with 19% female, 7.5% minority and 64% international students.

RESEARCH LABORATORIES

Acoustics and Signal Processing Laboratory (Y. Kim)
Advanced Computational Mechanics Laboratory (J.N. Reddy)
Advanced Engine Research Laboratory (T. Jacobs)
Aerosol Technology Laboratory (Y. Hassan)
AMBER Laboratory (A. Ames)
Bio Chem Air Quality (M. King)
Bone Biomechanics Laboratory (H. Hogan)
Coal and Biomass Energy Laboratory (K. Annamalai)
Combustion, Reaction & Characterization Lab (A. Strzelec)
Computational Biomechanics Laboratory (S. Goenezen)
Computational Design Lab (D. Allaire)
Computational Heat Transfer (N.K. Anand)
Convective Heat and Mass Transfer Lab (S. Lau)
Design Systems Laboratory (R. Malak)
Energy and Transport Sciences Laboratory (F. Mukherjee)
E3 - Engines, Emissions, and Energy (J. Caton)
Gas Dynamics and Propulsion Laboratory (E. Petersen)
Industrial Assessment Center (B. Rasmussen)
Institute for Innovation and Design in Engineering (S. Suh)
Intelligent Systems and Control Laboratory (R. Langari)
Interface Group (H. Liang)
Micro/Nano Laser Thermal Energy Transport Laboratory (S. Wen)
Microtribodynamics and Tribology Laboratory (A. Polycarpou)
Multi-Phase Flows and Heat Transfer Laboratory (D. Banerjee)
Multi-Phase Fluid Mechanics Laboratory (S. Lee)
Nano-Energy Laboratory (C. Yu)
Nanolayer & Thin Film Group (X. Zhang)
NIML - Networked Intelligent Machines Laboratory (A. Parlos)
Plasma Engineering and Diagnostics Laboratory (D. Staack)
Photomechanics Lab (S. Suh)
Polymer Nano Composites (J. Grunlan)
Precision Mechatronics (W. Kim)
Product Synthesis Engineering Laboratory (D. McAdams)
Shock Tube and Advanced Mixing Laboratory (D. Ranjan)
Thermo-Fluids Control Laboratory (B. Rasmussen)
Tribology Group (L. San Andres)
Turbine Heat Transfer Laboratory (J.C. Han)
Turbine Performance and Flow Research (T. Schobeiri)
Unmanned Systems Laboratory (S. Rathinam)
Vibration, Control and Electromechanics (A. Palazzolo)

http://engineering.tamu.edu/mechanical/research

MAJOR CENTERS

POLYMER TECHNOLOGY CENTER (PTC)
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STUDENT ORGANIZATION - MEGSO
The Mechanical Engineering Graduate Student Organization (MEGSO) promotes positive communication within the Mechanical Engineering Graduate Program at Texas A&M University through regular member meetings, social activities, knowledge exchange and contact with the Mechanical Engineering Faculty. Read more: http://megso.tamu.edu/

MEGSO group at the ‘Get to know your department’ event

Dr. Maria King working on an experiment with a student in the Bio Chem Air Quality Lab