International Opportunities for Engineering Students

Where can I study?

Guaranteed scholarship for College of Engineering students with a GPA of 2.5 or higher.
Study abroad through reciprocal exchanges, research internships, or transfer credit programs

**Short-term programs** allow students to have an intensive study abroad experience for 1-3 weeks during a Maymester or Wintermester. **Mid-term programs** are 4-6 weeks and held over the summer. Students benefit from cultural immersion and the chance to establish the foundations of valuable intercultural relationships. **Long-term programs** are 10-weeks to one semester. These programs offer a unique opportunity for students to “live and learn like a local” in various countries.

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**Myths about Study Abroad**

**Studying abroad is too expensive**
- There is an increased opportunity for financial aid including grants and scholarships.
- Estimates show that studying a summer abroad is less than $3000 more than studying a summer in College Station.

**My financial aid won’t cover study abroad costs**
- All financial aid can be used for study abroad.
- Most courses count toward your degree.

**Studying abroad does not fit in my degree plan**
- The Study Abroad Program Office offers a wide variety of programs that fit most students’ degree plan.

**Studying abroad is not beneficial to my career**
- International companies like the international experience and knowledge that comes with studying abroad.
- Graduate schools consider study abroad experience as a “plus.”
- Sets you apart from other candidates.

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Global Programs Office—Engineering Activities Building A
http://engineering.tamu.edu/global

Dr. David De Sousa
Assistant Director
(979) 845-9588

Maria Alves
Director
(979) 862-1180

Leslie Donaway
Senior Program Specialist
(979) 458-5992
Student Assistance Locations

These are campus organizations that offer free tutoring and other resources on campus that you will find very helpful!

Free Tutoring:
Tutoring, Academic Coaching, and transfer student support:  http://successcenter.tamu.edu
Multicultural Student Services Tutoring:  http://dms.tamu.edu/academics/peer-tutoring/

PHYS 218 and PHYS 208:
PHYS Help Desk:  http://physics.tamu.edu/students/current/ugrad/index.shtml

ENGR 111 & 112:
Peer Teacher Help Sessions:  https://engineering.tamu.edu/easa/areas/retention/help-sessions

MATH 151 and 152:
Math Week In Review:  http://www.math.tamu.edu/courses/weekinreview.html
Math Help Sessions:  http://www.math.tamu.edu/courses/helpsessions.html

CHEM 107:  http://www.chem.tamu.edu/academics/fyp/student_resources.php

Study Skills and Test Anxiety:

Student Counseling Services:  http://scs.tamu.edu/

Disability Services:  http://disability.tamu.edu

- Career Counseling and Testing Services
- Learning Disability and ADD/ADHD Screenings
- Personal Counseling
- Psychiatric Services
- Self-Help, Outreach, and Consultation
- Stress Management & Biofeedback Training

AERO Courses and General Major Advice

SGT Mentoring Office: Office hours will be posted to the AERO Undergraduate Listserv
PROGRAMS THAT COORDINATE WITH ENGINEERING HONORS

FAST TRACK GRADUATE PROGRAM This program enables students to complete a bachelor’s and a master’s degree within five years. Students take certain graduate courses and receive credit for both the undergraduate and graduate versions of the course, reducing the number of courses required to obtain a graduate degree. Engineering Honors students can also use these courses toward the needed honors credits for the honors distinction.

E2M - EARLY ENTRY TO MEDICINE This program offers engineering students who are completing their first year at Texas A&M guaranteed acceptance into the Texas A&M College of Medicine upon completion of their undergraduate engineering degree and program requirements.

GRAND CHALLENGE SCHOLARS PROGRAM This is a selective, three-year program in which students achieve in-depth understanding of their technical area in the context of research related to a Grand Challenge problem while also gaining interdisciplinary, entrepreneurial, global and service learning expertise and experiences.

MASTERS DEGREES IN BUSINESS The Mays Business School offers seven different one-year Master of Science (MS) programs for engineering students interested in pursuing a graduate degree in business.

ZACHRY LEADERSHIP PROGRAM This is a five-semester program jointly managed by the College of Engineering and the Zachry Group that prepares engineering students to become future leaders.

RELATION TO UNIVERSITY HONORS

All of the honors hours taken for the Engineering Honors program can be used toward the Texas A&M University Honors program.

Each Honors program has its own application, deadlines and unique features. The University Honors program includes access to the University Honors Housing (required for freshmen). Engineering Honors provides discipline-specific activities, networking and additional honors faculty advisers in the student’s department.

DEPARTMENT TRACKS

After entering a major, students follow a major-specific track of Engineering Honors. Each department has designed a track to include discipline-specific activities and requirements that are most suitable for its students. These tracks (listed below) are each led by a department coordinator, a top researcher and teacher in their field.

Aerospace Engineering | Biological & Agricultural Engineering
Biomedical Engineering | Chemical Engineering
Computer Science & Engineering | Civil Engineering
Electrical & Computer Engineering | Engineering Technology & Industrial Distribution
Industrial & Systems Engineering | Mechanical Engineering
Ocean Engineering | Nuclear Engineering
Petroleum Engineering

PROGRAM DIRECTOR

Dr. Nancy M. Amato
Senior Director, Engineering Honors Program, Unocal Professor and Regents Professor, Co-Director Parasol Lab, Department of Computer Science and Engineering

Amato has been a member of the faculty at Texas A&M since 1995. She received bachelor’s degrees from Stanford University, her Master of Science from the University of California at Berkeley, and her Ph.D. from the University of Illinois. She is the recipient of numerous research, teaching and mentoring awards, including one for outstanding service to honors education. She has worked with more than 100 undergraduate researchers. Her research interests include motion planning and robotics, computational biology and geometry, and parallel and distributed computing. She is an AAAS Fellow, an ACM Fellow and an IEEE Fellow.

For more information, please contact:
engineeringhonors@tamu.edu | 979-845-7200
engineering.tamu.edu/eh
facebook.com/tamuengineering
@TAMUEngineering
**BENEFITS**

**HONORS COURSES** Honors courses have greatly reduced class sizes and are taught by top faculty.

**SPECIALIZED ADVISING** Honors advisers help with course selection and advise on research, career preparation and personal development.

**SEMINARS AND NETWORKING OPPORTUNITIES** Honors students have access to world leaders in academia and industry who will discuss career options students might not otherwise consider.

**UNDERGRADUATE RESEARCH** Honors students engage in one-on-one research with our faculty and are integrated into their research groups. These experiences help students learn about the research process, prepare for graduate studies and makes them competitive for graduate admissions and fellowships.

**PRIORITY REGISTRATION** Honors students may register two days prior to the start of the ordinary registration period. Incoming freshmen have the benefit of registering for honors sections at their New Student Conferences.

**RECOGNITION** Upon successful completion, students receive a designation on their permanent transcript, a certificate of completion and graduation regalia consisting of an Engineering Honors stole and lapel pin.

**ENGINEERING HONORS** provides the opportunity for students to interact with other high achieving students and honors faculty, creating a community of scholars that combines the benefits of a small college with the resources of a major research institution. Engineering Honors scholars have access to honors courses that have small enrollments, promoting close interaction between the faculty and students. Students receive specialized academic advising from leading faculty, participate in undergraduate research and engage in special activities for honors students, such as lunches with faculty, seminars and networking opportunities with leaders in academia and industry.

**ADMISSION**

Engineering Honors is open to all eligible students in the College of Engineering at Texas A&M, including students in the Texas A&M Engineering Academy.

Students are admitted to Engineering Honors on a competitive basis. Applications are evaluated on a continual basis (rolling admissions). Incoming freshmen and transfer students should complete their application at least four weeks before attending their New Student Conference or by December 1 to receive full consideration for scholarships for the next academic year. Continuing students should complete their application at least two weeks before the start of the semester (fall/spring) to allow priority registration for the following semester.

Links to the online application, instructions and more information can be found at the Engineering Honors website: engineering.tamu.edu/eh

**ELIGIBILITY**

The eligibility requirements for Engineering Honors are given below:

Incoming freshmen engineering majors must meet one of the following requirements:

- have a 1350 or above (critical reading/math) on the SAT or 31 or above on the ACT and be ranked in the top 10 percent of their class or
- be a National Merit or National Hispanic finalist or
- have special circumstances (e.g. no high school ranking, a competitive school, non-native English speaker etc.), which can be explained in their essay.

Currently enrolled engineering students must have a cumulative GPA of 3.5 or above.

Transfer engineering students who enter with a 3.5 GPA or higher may register for honors courses and can apply to the program after their first semester at Texas A&M.