

COLLEGE OF ENGINEERING AND TECHNOLOGY

Richard T. Johnson,
Dean

Robert Podlasek,
Assistant Dean

The College of Engineering and Technology offers programs leading to:

- Master of Science in Civil Engineering
- Master of Science in Electrical Engineering
- Master of Science in Industrial Engineering
- Master of Science in Manufacturing Engineering
- Master of Science in Mechanical Engineering

Students majoring in engineering are required to complete from 30 to 33 semester hours of coursework, depending on the program they are pursuing. Students should consult the department graduate program coordinator for a plan of study prior to registration.

For international graduates of a non-ABET-accredited program (unless from an English speaking country), a minimum TOEFL score of 550 is required for unconditional admission. The GRE is required by some departments and suggested for others.

A cumulative GPA of 3.0 for the entire undergraduate career or 3.0 for the last 60 credit hours is normally needed for unconditional admission. However, some programs may have other requirements for unconditional admission. Prospective graduate students who have a GPA below 3.0 or a TOEFL score below 550 may be admitted conditionally. TOEFL and GRE scores are taken into consideration for admission and when making assistantship award decisions.

Special Academic Programs

To participate, students must have authorization to work in the United States. Eligibility of nonimmigrant (F-1) students is defined on an individual basis according to regulations set forth by the Bureau of Citizenship and Immigration Services (BCIS) and the Bureau of Immigration and Customs Enforcement (BICE), formerly referred to as INS—the Immigration and Naturalization Service. For clarification of eligibility, contact the Multicultural Student Services Office or consult the BCIS Web site at www.immigration.gov.

Practicum

Graduate students enrolled in chemistry, civil engineering, computer science, electrical engineering, industrial engineering, manufacturing engineering, mechanical engineering, and physics may have an opportunity for employment for 10-20 hours per week in a practicum program that partners industry and the university. Generally, the practicum is on-site work in an industrial setting. Students are assigned technically challenging projects with a near-term economic significance. Participating students will be enrolled in EGT 500 for zero credit hours.

Internship

Engineering internships provide engineering students an opportunity to participate in a full-time internship semester and/or summer away from campus providing career-related work experience. This internship is equivalent in work-time to a full-time cooperative education assignment, and interns will be monitored in the same way as EGT cooperative education students. Participating graduate students will enroll in EGT 510 for zero credit hours. While on a full-time internship assignment, students are considered to have full-time student status, making normal progress toward a degree in a recognized University program, and are

entitled to all student privileges at the University. Also while on a full-time internship assignment, students may register for additional hours of classroom study upon departmental approval.

Course Descriptions

EGT 500 Graduate Engineering Practicum 0 hrs.
Solving challenging problems with a near-term economic benefit. Only for students approved for practicum by the Dean's Office. Pass/fail. Prerequisite: graduate student.

EGT 510 Graduate Engineering Internship 0 hrs.
Full-time internship away from campus for engineering & technology students to gain academic or career-related work experience in industry. May be repeated only with consent of internship coordinator and internship faculty advisor. Satisfactory/Unsatisfactory. Prerequisites: engineering and technology graduate student. Newly admitted graduate student must be unconditionally admitted and continuing student must have a minimum of 3.0 grade point average in graduate courses. Approval of internship coordinator and internship faculty advisor.