



WESTERN ILLINOIS UNIVERSITY

Engineering Technology

Department of Engineering Technology, College of Business & Technology

Programs of Study

Students in the Department of Engineering Technology pursue a Bachelor of Science in Construction Management, Graphic Communication, or Manufacturing Engineering Technology.

The **Construction Management** program prepares students for areas such as construction management, construction supervision, surveying, construction superintending, scheduling, inspecting, contracting, and project planning. The curriculum is designed to provide a background in the concepts, theories, and principles that define contemporary residential and commercial construction. Field experiences allow students to be involved in activities that simulate those on a construction site. Field trips to construction sites allow students opportunities to view and observe first-hand state-of-the-art building materials and techniques. Classes also involve using tools and equipment to engage in construction fabrication activities and learn how to conduct a survey. No prior experience with construction management is required upon enrollment.

The **Graphic Communication** program prepares students for careers in areas such as graphic design, desktop publishing, website design and development, and printing production and management. Through a balance of lectures and portfolio-building projects, students are provided with advanced technical knowledge and the challenge of applying it to engaging, real-world design problems. The department's state-of-the-art computer labs include the latest versions of the industry standards in design software, including Adobe *Illustrator*, *InDesign*, *Photoshop*, *Dreamweaver*, and *Flash*; and *QuarkXPress*. Classes that involve printing production also utilize offset presses, digital duplicators, and screen printing equipment. No prior experience with graphic communication principles or software is required upon enrollment.

The **Manufacturing Engineering Technology** program offers students the flexibility to study in one of two areas: Automation and Robotics, or Manufacturing Design and Production. Students are prepared for careers in areas such as quality auditing, continuous improvement, production management, cost estimating, scheduling, and a variety of technical fields. Course content that combines a unique blend of theory, principles, and concepts with know-how, practical application, and problem-solving skills ensures that students are prepared to work in a team environment. Laboratories support contemporary design and animation software and CAD/CAM plus production equipment, including CNC machining centers and material testing devices. No prior experience with manufacturing engineering principles or software is required upon enrollment.

Special Opportunities

A key component of all three majors is the required internship. Every student in his or her junior or senior year earns course credit for successfully applying knowledge while gaining invaluable on-the-job experience. By securing an internship in any approved major-related field, each student has the opportunity to enhance his or her skills in a professional work environment of particular interest. Many students report that the internship experience helps them focus their career goals and make vital industry contacts that benefit them upon graduation.

Students can further customize their education by enrolling in an optional independent study course. Construction Management and Graphic Communication majors may declare any minor offered at WIU. For more information, contact an adviser in the Department of Engineering Technology at (309) 298-2100 for a list of suggested complementary minors.

HIGHER VALUES IN HIGHER EDUCATION

Student Activities

Students enrolled in the Department of Engineering Technology are invited to become members of the Graphic Communication Club, the National Association of Homebuilders, the Western Illinois Construction Management Association, and the Society of Manufacturing Engineers. Students travel to, and participate in, competitions at national/regional conferences, attend field trips, and host professionals who provide insight into their selected fields.

Honors in Engineering Technology

Engineering Technology will be installing a new honorary on campus this year. Students who are in high academic standing at Western will be invited to join Epsilon Pi Tau, the honorary for the Professions in Technology. Installation is planned for April of 2010.

To be eligible for the Centennial Honors College, entering freshmen must have an ACT composite score of at least 28 OR have a 26 or 27 composite ACT and be in the top 15% of their graduating class OR have an ACT composite score of at least 24 and be in the top 10% of their high school graduating class. Comparable SAT score is acceptable. Transfer and current WIU students who wish to join the Honors College (including the Quad Cities Honors Program) must have a 3.4 grade point average on a 4.0 scale based on 12 or more semester hours. Honors credit is given for honors coursework completed at other accredited institutions. To find out more, visit wiu.edu/Honors.

After College

Placement of Engineering Technology majors is greater than 91%. Salaries range from \$36,000 for entry-level positions in each of the majors to \$100,000 for the high-end designer and upper management/supervisory positions. The majority of positions have a salary range from \$48,000 to \$62,000.

WIU's Career Services office is committed to helping students transition smoothly into successful careers by providing résumé assistance, mock interview sessions, and preparatory seminars. Additionally, five networking and career fairs are held each year, and an extensive eRecruiting database is provided for students in all class levels. For more information, contact the Career Services office at careers.wiu.edu or (309) 298-1838.

Faculty

The faculty in the Department of Engineering Technology have received their academic preparation from noted universities. Their academic preparation, combined with industry experience, provides them with the insight and competencies to develop and oversee diverse, integrated programs of study.

Scholarships and Financial Aid

Numerous scholarships and financial aid options are available. For information about scholarships, contact the Scholarship Office at wiu.edu/Scholarships or (309) 298-2001. For details about financial aid, contact the Financial Aid office at fa.wiu.edu or (309) 298-2446.

Visit WIU and Enroll Today

WIU offers day-long Discover Western programs, which allow prospective students and their families to tour campus; attend information sessions; and meet with faculty, staff, and advisers. For information about admission or Discover Western programs, contact the Admissions office at admissions.wiu.edu, (309) 298-3157, or toll-free at (877) PICK-WIU (742-5948).

For More Information

To learn more about our programs, call the Department of Engineering Technology at (309) 298-1091, visit us in Knoblauch Hall 135, or go to wiu.edu/engrtech. To speak with an adviser in any of our three majors, call (309) 298-2100 or stop by Knoblauch Hall 110.

wiu.edu/engrtech

Department of Engineering Technology

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