What Can I Do With A Major In: Engineering Technology

Western Carolina University Center for Career and Professional Development
828.227.7133, CCPD Website

DESCRIPTION
Prepare graduates with the technical and managerial skills necessary to enter careers in process and systems design, technical sales, manufacturing operations, maintenance or service functions of a manufacturing enterprise.

WHAT JOBS ARE AVAILABLE?
- Aerospace Engineering Technician
- Agricultural Technician
- Airport Engineer
- Biomedical Equipment Technician
- Cartographic Technician
- Chemical Technicians
- Civil Engineering Technician
- Electrical Technician
- Electronics Technician
- Electro-Mechanical Technicians
- Environmental Technician
- Geological Data Technician
- Fire Protection Engineering Tech
- Geological Technician
- Industrial Engineering Tech
- Mechanical Engineering Technician
- Mathematical Technician
- Nuclear Technician
- Nuclear Monitoring Technician
- Petroleum Technician
- Soil Conservation Technician
- Petroleum Technician
- Sound Engineering Tech
- Surveying Technicians
- Solar Energy Systems Designer
- Tool Designer
- Technical & Scientific Publications Editor
- Machine Designer
- Technical Illustrator
- Transportation System Design Engineer
- Computer Aided Design Technician

WHO EMPLOYS STUDENTS WITH THIS MAJOR?
General Electrics | Borg Warner | Meritor | Moog | Snap On | Conmet | Caterpillar | Eaton |
Goodyear | Halliburton | Jackson Paper

INTERNSHIP INFORMATION
At Western Carolina University there are numerous internship opportunities for students. In some cases internships are established through a faculty member in the student's major. Oftentimes students find part-time jobs in an area related to their field of study. When this happens, students should discuss with their academic advisor the possibility of receiving college credit. Generally, three hours of general elective credit can be earned for a minimum of 200 hours of experience.

WHAT SKILLS ARE LEARNED IN THE CLASSROOM?
- an ability to select and apply the knowledge, technique, skills, and modern tools of the discipline to broadly-defined engineering technology activities;
- an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies;
- an ability to conduct standard tests and measurements, to conduct, analyze, and interpret experiments and to apply experimental results to improve processes;
an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives;

an ability to function effectively as a member or leader on a technical team;

an ability to identify, analyze and solve broadly-defined engineering technology problems;

an ability to apply written, oral, and graphical communication in both technical and non-technical environments;

an ability to identify and use appropriate technical literature;

an understanding of the need for an ability to engage in self-directed continuing professional development;

an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity;

a knowledge of the impact of engineering technology solutions in a societal and global context;

and a commitment to quality, timeliness and continuous improvement

KNOWLEDGE

- Apply their technical knowledge as practicing professionals or engage in graduate education.
- Work successfully in their chosen career individually and within a professional team environment.
- Engage in professional development in their profession by adopting to new technology and career challenges.

Interested in the classes you’ll be taking? Check your eight semester program here: http://www.wcu.edu/WebFiles/PDFs/Kimmel_School_ET_8SemesterPlan_6-10-13.pdf

PROFESSIONAL RESOURCES

- American Society for Engineering Education: https://www.asee.org/member-resources/councils-and-chapters/engineering-technology-council

CONTACT INFORMATION

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