

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY



BUILD IT. BREAK IT. MAKE IT.

Our program gives you the opportunity to experience education in a practical, hands-on way. You'll have close, continuous interactions with faculty as you begin building your career through projects, independent research, internships, and interactive design.

This well-rounded degree can prepare you for jobs such as:

- *Production Supervisor*
- *Project Manager*
- *Safety Engineer*
- *Distribution Supervisor*
- *Manufacturing Engineer*
- *Product Design Engineer*
- *Machine Designer*
- *Engineering Manager*

INDUSTRY-DRIVEN CURRICULUM

In our program, you'll develop innovation and leadership skills that will help you succeed in the workplace. We emphasize engineering, technology, and technology management with practical classroom instruction and hands-on experience and opportunities to obtain industry-recognized certifications.

- + WELL-ROUNDED CURRICULUM
- + DEDICATED AND HIGH QUALITY FACULTY
- + EXTENSIVE ENGAGEMENT OPPORTUNITIES

ACTIVE RESEARCH

Here at Eastern, you'll be able to engage and develop your research interests. Our interdisciplinary research studies connect you with industrial partners to pursue practical, real-world projects.

PROFESSIONAL NETWORKING

We purposefully develop strong relationships with companies, to provide you with regular interaction with industry leaders. Activities include technical projects, field trips, plant tours, national competitions, guest speakers, trade show attendance, and an industry-sponsored capstone experience. These interactions lead to many internship and full-time job offers.

PROGRAM COORDINATOR

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BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY

TOTAL MAJOR COURSEWORK: 120 HRS

REQUIRED CORE COURSEWORK: 53 HRS

CMG 2953 Statics and Strength of Materials
EGT 1303 Engineering Technology Applications
EGT 1323 Computers for Engineering Technology
EGT 1413 Introduction to Engineering Technology
EGT 2004G Materials Science and Evaluation
EGT 2043 Computer-Aided Engineering Drawing
EGT 2324 Electricity and Electronic Controls
EGT 2424 Manufacturing and Fabrication Processes
EGT 2773 Safety for Engineering Technology Professionals
EGT 3414 Engineering Technology Project Management
EGT 4503 Engineering Technology Cost Analysis
EGT 4704 Engineering Technology Capstone
EGT 4753 Lean Manufacturing
EGT 4843 Statistical Quality & Reliability
EGT 4943 Manufacturing Management
ODL 4835 Supervision in Organizations



FOCUS AREA (CHOOSE ONE OR MORE)

INDUSTRIAL DISTRIBUTION & LOGISTICS: 18 HRS

BUS 2810 Business Statistics I
OR MAT 2250G Elementary Statistics
EGT 3763 Automation & Data Capture
OSC 3800 Spreadsheet Modeling & Analysis for Management Decision Making
OSC 4810 Supply Chain & Logistics Management

+ SELECT 6 HOURS OF THE FOLLOWING:

EGT 4803 Plant Layout & Material Handling
EGT 3103 Robots & Control Systems
EGT 4903 OSHA Certification for General Industry
OSC 4820 Business Analytics & Data

MANUFACTURING SYSTEMS & AUTOMATION: 18 HRS

CIT 1813 Introduction to Programming (C++)
CIT 4843 Human Computer Interaction
EGT 3103 Robots & Control Systems
EGT 3763 Automation & Data Capture

+ SELECT 6 HOURS OF THE FOLLOWING:

EGT 3663 CNC & Rapid Prototyping
EGT 3703 Machine Design
EGT 4803 Plant Layout & Material Handling
EGT 4903 OSHA Certification for General Industry
OSC 3430 Enterprise Resource Planning Systems
TEC 4275 Internship. *Credits: 1 to 10*

SAFETY & RISK MANAGEMENT: 18 HRS

CMG 4023 Construction Risk Management
CMG 4913 30 Hour OSHA Certification for Construction
EGT 3803 Engineering Technology Ergonomics
EGT 4903 OSHA Certification for General Industry

+ SELECT 6 HOURS OF THE FOLLOWING:

CMG 4413 Advanced Construction Safety
EGT 4803 Plant Layout & Material Handling
ODL 4825 Ethical Behavior in Organization
TEC 4275 Internship. *Credits: 1 to 10*

INDUSTRIAL DESIGN & PRODUCT DEVELOPMENT: 18 HRS

EGT 3063 3D Modeling
EGT 3663 CNC & Rapid Prototyping
EGT 3703 Machine Design
EGT 4903 OSHA Certification for General Industry

+ SELECT 6 HOURS OF THE FOLLOWING:

DGT 1363 Graphics Technology
DGT 2123 Digital Photography
DGT 3313 3D Modeling for Digital Media
CIT 4843 Human Computer Interaction
EGT 4803 Plant Layout & Material Handling
EGT 3103 Robots & Control Systems
EGT 3763 Automation & Data Capture
TEC 4275 Internship. *Credits: 1 to 10*

CAREER-RELATED TRACK: 18 HRS

Select 18 hours of career-related or general education with assistance from an advisor to complete graduation requirements.