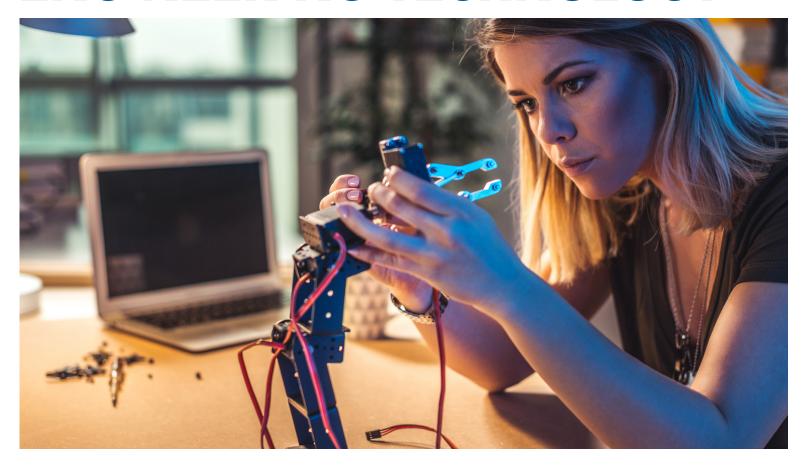
BACHELOR OF SCIENCE IN

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 succeedin 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.

ISAAC SLAVEN, PhD PROGRAM COORDINATOR

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BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY

TOTAL MAJOR COURSEWORK: 125 HRS

CORE COURSEWORK: 69 HRS

CMG 2953 Statics and Strength of Materials

DGT 1363 Introduction to Graphics

EGT 1303 Engineering Technology Applications

EGT 1323 Computers for Engineering Technology

EGT 2004G Materials Science and Evaluation

EGT 2043 Computer-Aided Engineering

EGT 2424 Manufacturing and Fabrication Processes

EGT 2773 Safety for Engineering Technology Professionals

EGT 3063 3-D Modeling

EGT 3414 Engineering Technology Project Management

MATHEMATICS: 7 HRS

MAT 1271 College Algebra MAT 2250G Elementary Statistics

MAJOR ELECTIVES: 12 HRS

Students in Engineering Technology will be able to take 12 hours of elective courses from the School of Technology to broaden their educational experience. This will require students to take other upper division courses to meet the University requirements. Currently approved engineering technology course electives are listed in the table below. Upon approval from the EGT Program Coordinator and SOT Department Chair, students may also take upper division courses in Computer & Information Technology, Construction Management, or the Digital Media programs in the School of Technology as electives.

SOME ELECTIVES FOR ENGINEERING TECHNOLOGY:

CIT 4183 Microcomputer Interfacing and Data Acquisition

CMG 4913 30 Hour OSHA Certification for Construction

EGT 3103 Robots and Control Systems

EGT 3253 Energy Technology

EGT 3453 Renewable Energy

EGT 3753 Biometrics in Engineering Technology

EGT 3803 Engineering Technology Ergonomics

EGT 4763 Work Measurement and Method Design

EGT 4803 Plant Layout and Material Handling

EGT 4823 Facility Security

EGT 4903 30 hour OSHA Certification for General Industry

TEC 3920 Independent Study

TEC 4000 Undergraduate Research

TEC 4275 Industrial Internship

TEC 4444 Honors Independent Study

TEC 4555 Honors Research

TEC 4644 Honors Thesis

TEC 4800 Management of Innovation and Technology



EGT 3663 CNC and Rapid Prototyping

EGT 3703 Machine Design

EGT 3763 Automation and Data Capture

EGT 4503 Engineering Technology Cost Analysis

EGT 4704 Engineering Technology Capstone

EGT 4753 Lean Manufacturing

EGT 4843 Statistical Quality and Reliability

EGT 4943 Manufacturing Management

ODL 4835 Supervision in Organizations

TEC 4275 Industrial Internship

PHYSICAL SCIENCE: 4 HRS

PHY 1151G Principles of Physics I

PHY 1152G Principles of Physics I Laboratory

SUGGESTED 4-YEAR SEQUENCES

- The above four-year sequence assumes high schoool foreign language requirements have been met.

Consult Course Catalog for specific prerequisistes.			
FALL	YEA	R 1 SPRI	NG
EGT 1413 EGT 1303 EGT 1323 ENG 1001G CMN 1310G	3 3 3 3 3	EGT 2004G EGT 2043 MAT 1271 DGT 1363 ENG 1002G	4 3 3 3 3
Total	15	Total	16
FALL YEAR 2 SPRING			
CMG 2953 EGT 2324 EGT 2773 PHY 1151/1152G MAT 2250G	3 4 3 4 4	EGT 3703 Tech. Elective EGT 2424 Biology Humanities/Fine Arts	3 3 4 3 3
Total	18	Total	16
SUMMER			
TEC 4275 Industrial Internship		Total	1
YEAR 3			
EGT 3414 EGT 3763 EGT 3063 Humanities/Fine Arts Social/Behavioral Science	4 3 3 3 3	EGT 4843 EGT 3663 EGT 4753 Humanities/Fine Arts Social/Behavioral Science	3 3 3 3 3
Total	16	Total	15
YEAR 4			
ODL 4835 EGT 4943 Tech. Elective Tech. Elective Social/Behavioral	3 3 3 3	EGT 4704 EGT 4503 Tech. Elective Senior Seminar	4 3 3 3

3 15

Total

13