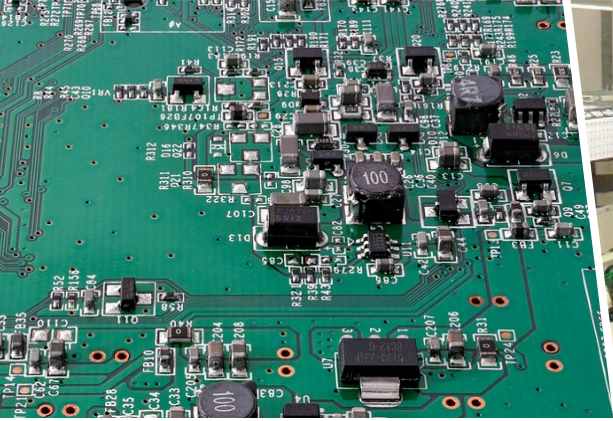




COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

ELECTRICAL ENGINEERING TECHNOLOGY



WHAT IS ELECTRICAL ENGINEERING TECHNOLOGY?

Electrical Engineering Technology (EET) is the applied engineering branch of Electrical Engineering. EET focuses on the application and practices to solve technical problems in design, installation, manufacturing, operation and maintenance of electrical/electronic systems.

WHY ELECTRICAL ENGINEERING TECHNOLOGY AT OSU?

The EET curriculum provides preparation for outstanding career opportunities not only in the electronics industry, but also in many other areas in modern industry that depend upon electrical and electronic control, communication, or computation. The EET program is laboratory-oriented and provides a strong foundation of rigorous mathematics, the sciences and specialized major courses. These courses are applicable to solving 21st-century challenges in electronics and computer systems.

HIGHLIGHTS

- Courses are taught by EET faculty who have extensive industrial experience. The faculty are highly focused on teaching along with state-of-the-art research in electrical engineering, control systems, communications systems, and artificial intelligence.
- The program offers an undergraduate option in Computer Engineering Technology and Minors in Mechatronics and Entrepreneurship.
- Many industry oriented laboratory-based courses on electronics design and fabrication, microprocessor programming, data acquisition, digital signal processing, and mechatronics are offered.
- Students can pursue a Master's of Science in Engineering Technology with an option in Mechatronics and Robotics at OSU after completion of the Bachelor of Science in Engineering Technology EET program.

CAREER INDUSTRIES & FOCUS AREAS

CAREER OPPORTUNITIES

- Design Engineer
- Electrical Engineer
- Product Engineer
- Programmer
- Systems Engineer
- Software Engineer
- Applications Engineer
- Project Engineer
- Computer Engineer



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ELECTRICAL ENGINEERING TECHNOLOGY

Typical Four-Year Curriculum

FIRST YEAR

Fall Semester

POLS	1113	American Gov't
HIST	1103	American History
MATH	2144	Calculus I
ENGL	1113	Fresh Comp I
ENGR	1111	Intro to Eng.

Spring Semester

PHYS	2014	Physics I
EET	2303	Technical Programming
MATH	2153	Calculus II
ENGL	1213	Freshman Comp II
SPCH	2713	Intro. To Speech Com.

SECOND YEAR

Fall Semester

ENGR	2421	Eng. Data Acq. Lab
PHYS	2114	Physics II
XXXX	XXX3	Humanities
XXXX	XXX3	Humanities
XXXX	XXX4	Science Elect. with Lab

Spring Semester

ENSC	2613	Intro. Electrical Science
ENSC	2411	Electrical Science Lab
EET	3123	Project Design & Fab
EET	2544	Pulse & Digital Tech
EET	3423	Applied Analysis Tech

THIRD YEAR

Fall Semester

EET	3113	Circuit Analysis II
EET	2633	Solid State Devices I
EET	3253	Microprocessors I
EET	3303	Python for Eng. & T
XXXX	XXX3	Related Specialty Elective

Spring Semester

EET	3363	Data Acquisition
EET	2643	Solid State Device II
EET	3533	Intro. to Telecom.
EET	3263	Microprocessors II
XXXX	XXX3	Related Specialty Elective

FOURTH YEAR

Fall Semester

EET	4314	Elements of Controls
EET	4654	Microwave Techniques
EET	4833	Industrial Projects I
EET	3354	Signal Analysis & Com
XXXX	XXX2	Related Specialty Elective

Spring Semester

EET	4363	Digital Sign Processing
EET	4843	Industrial Projects II
EET	3523	Advanced Logic Circuits
STAT	4033	Eng. Statistics
MGMT	3013	Fund. Of Management

TOTAL HOURS: 120

Accredited by the Engineering
Technology Accreditation
Commission of ABET,
<http://www.abet.org>.



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