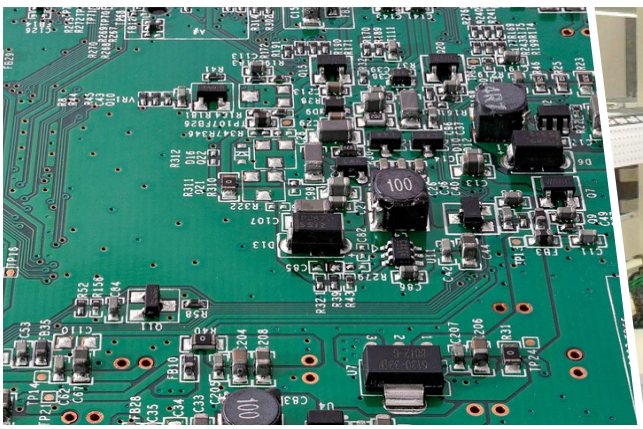
COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

ELECTRICAL ENGINEERING TECHNOLOGY

EET



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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AND TECHNOLOGY

BACHELOR OF SCIENCE

ELECTRICAL ENGINEERING TECHNOLOGY

Typical Four-Year Curriculum

FIRST YEAR

Fall Semester

EET	1104	Fund. of Elect.
HIST	1103	American History
MATH	2144	Calculus I
ENGL	1113	Fresh Comp I
ENGR	1111	Intro to Eng.

Spring Semester

EET	1244	Circuit Analysis I
EET	2303	Technical Programming
MATH	2153	Calculus II
ENGL	1213	Freshman Comp II
POLS	1113	American Gov't

SECOND YEAR

Fall Semester

EET	2544	Pulse & Digital Tech
EET	2635	Solid State Device
PHYS	2014	Unv. Physics I
ENGR	2421	Eng. Data Acq.
CS	1113	Computer Science I

Spring Semester

EET	3254	Microprocessors I
EET	3363	Data Acquisition
CS	2113	Computer Sc. II
SPCH	2713	Intro. to Speech Com.
XXXX	XXX3	"H/I" Elective

THIRD YEAR

Fall Semester

EET	3423	Applied Analysis Tech
EET	3124	Project Design & Fab
EET	3264	Microprocessors II
XXXX	XXX4	Science Elec. with Lab

Spring Semester

EET	3113	Circuit Analysis II
EET	3354	Signal Analysis & Com
EET	3303	Python for E&D
XXX	XXX3	H Elect. with D
EET	3533	Intro. to Telecom.

FOURTH YEAR

Fall Semester

EET	3524	Adv. Logic Circuits
MGMT	3013	Intro. to Management
EET	4833	Industrial Projects I
STAT	4033	Eng. Statistics
XXXX	XXX3	CS Elective

Spring Semester

EET	4363	Digital Sign Processing
EET	4843	Industrial Projects II
XXXX	XXX3	Controlled Elective
XXXX	XXX3	Related Specialty Elective
XXXX	XXX3	CS Elective

TOTAL HOURS: 126

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

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This course plan is for general guidance only. An official course plan will be provided upon enrollment.

Contact | ceat.recruitment@okstate.edu | (405)-744-5279