



Get started on an
in-demand career.

ELECTRICAL/ELECTRONICS ENGINEERING TECHNOLOGY

Associate of Applied Science

This program prepares individuals for a career at the technician level in instrumentation and controls, research and development, testing, installation and maintenance of electrical/electronics systems.

JOB OPPORTUNITIES FOR GRADUATES

Students who complete an associate's degree in electrical/electronics engineering technology may become an electrical and electronics installer and repairer or they may become an electrical and electronics engineering technician. The installer and repairer installs, repairs or replaces a wide range of electrical equipment in utilities, transportation, and telecommunications and many other similar types of industries. The electrical and electronics engineering technicians work closely with the engineers to design and develop computers, communications equipment, medical equipment and various other types of electronic equipment. The technicians do more with equipment evaluation and testing and diagnostics to adjust, test and repair rather than to install equipment. Installer and repairers work in factories while the technicians work in the manufacturing setting in research and development. The technicians need to have at least an associate's degree and possibly some company specified industry certificates. Installer repairers must have at least some specialized training at a technical college and company specified industry certificates. Those who hold a bachelor's in electrical/electronics engineering technology can become a professional engineer by passing the Professional Engineer's (P. E.) licensing exam.

Most installer repairer and technician's jobs require industry and company specific certifications available through organizations like the Electronics Technicians Association International (ETA) and the International Society of Certified Electronics Technicians (ISCET).

For more information, visit www.owens.edu or call:

Office of Admissions

Toledo-area Campus - (567) 661-7777
Findlay-area Campus - (567) 429-3509

School of Science, Technology, Engineering
and Mathematics
(567) 661-7457

SALARY

For the associate of electrical/electronics engineering technology degree holder the salary range is around \$34,000 - \$58,000 varying by region of the country. The holder of a bachelor's in electrical/electronics engineering technology has a salary range of about \$60,000 - \$90,000 by region of the country.

ACCREDITATION

Accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).



LOCATIONS

Toledo-area Campus
Findlay-area Campus



OWENS
COMMUNITY COLLEGE

Program Curriculum

ELECTRICAL/ELECTRONICS ENGINEERING TECHNOLOGY

Associate of Applied Science



REQUIRED COURSES

The Age of Coursework for EET 100, EET 101, EET 102, EET 110, EET 165, EET 166, EET 201, EET 205, EET 211, EET 212, and EET 220 is 5 years - chair approval required for courses beyond that. Please refer to College Policy, Chapter 2 - Academic, 3358:11-2-22 Age of Coursework Policy.

High school and adult career-technical students who successfully complete specified technical programs are eligible to have technical credit transfer. For more information on career-technical course work that students can complete for transfer, visit The University System of Ohio Board of Regents, Career-Technical Credit Transfer (CT)2 website or contact your advisor.

1ST SEMESTER

EET 101	Circuit Analysis I	Credits: 4(Lec: 3 Lab: 3)
EET 118	C Programming	Credits: 3(Lec: 2 Lab: 3)
ENG 111	Composition I*	Credits: 3(Lec: 3)
MTH 170	College Algebra*	Credits: 4(Lec: 4)
STM 105	Technology in Society	Credits: 2(Lec: 2)

2ND SEMESTER

EET 102	Circuit Analysis II	Credits: 4(Lec: 3 Lab: 3)
EET 110	Electronics I	Credits: 4(Lec: 3 Lab: 3)
MTH 228	Mathematics for Technology	Credits: 3(Lec: 3)
PHY 151	Industrial Physics-Mechanics	Credits: 2(Lec: 2)
PHY 152	Industrial Physics-Ht Li Sound	Credits: 2(Lec: 2)

3RD SEMESTER

EET 130	Computer Diagnosis	Credits: 3(Lec: 2 Lab: 3)
EET 201	Digital Circuits	Credits: 4(Lec: 3 Lab: 3)
EET 211	Electronics II	Credits: 4(Lec: 3 Lab: 3)
PSY 111	Indust/Organization Psych	Credits: 3(Lec: 3)
SPE 101	Public Speaking	Credits: 3(Lec: 3)

4TH SEMESTER

EET 205	Advanced Digital Circuits	Credits: 4(Lec: 3 Lab: 3)
EET 212	Electronic Systems	Credits: 4(Lec: 3 Lab: 3)
EET 220	CAD Electronic Drafting	Credits: 3(Lec: 2 Lab: 3)
EET 165	Automation Control: PLC I	Credits: 2(Lec: 1.50 Lab: 1.50)
_____	Electrical Engineering Technology Elective	Credits: 2 to 3(Lec: 2 to 3)

Select from: EET 281 or EET 161

*Ohio Transfer Module Course

More information about the Ohio Transfer Module Course can be found at www.ohiohighered.org/transfer/transfermodule

OTHER INFORMATION

Some of the popular courses in the Electrical/Electronics Engineering Technology program are EET130, EET165 and EET166, and EET211.

- EET130 is Computer Diagnosis and by the end of this course, students are able to plan out their home or basic business computer system. Students who do well in EET130 frequently study for and receive their CompTIA A+ industry certificate.
- EET165 and EET166 are a two semester sequence of courses in programmable logic controllers. EET165 is the basics of PLC's from the perspective of the Allen Bradley SLK500. EET166 is advanced PLC's with exposure to Allen Bradley SLK5000, Siemens PLC's, Modicon and GE systems. Also discussed in EET166 is human machine interfaces.
- ET211 is Electronics II which is an advanced course in discrete and linear circuit electronics. It covers a wide swath of topics from small signal and power applications to analog to digital conversion and timers. This course is heavy in lab and practice with hands-on troubleshooting as well as using computer simulations to help diagnose circuit issues.

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