Industrial Electronics Technology

Required Courses

Why Choose Industrial Electronics Technology?

The Industrial Electronics Technology program is ideal for students interested in pursuing careers working with the latest electronic, computer and control technologies. This challenging program provides an exceptionally strong foundation in electronics theory supported by extensive hands-on experience through accompanying labs. Topics include amplifier and digital circuitry, programmable logic, microprocessors, instrumentation, simulation, troubleshooting and industrial automation. Real world theory and applications are emphasized throughout the program.

The Associate in Applied Science in Industrial Electronics Technology serves as the major preparatory program for the Bachelor of Science in Electrical/Electronics Engineering Technology. The IET degree can also be used to ladder into other Bachelor degrees at Ferris State University.

Career Opportunities

Aerospace, commercial, consumer, industrial, medical, security, and transportation technologies depend on electronic systems. The operation, implementation, and design of these require knowledgeable technicians and technologists. Industrial Electronics Technology graduates are employed in the design, testing, installation, and troubleshooting of industrial process control systems, robotics devices, communications systems and sophisticated instrumentation. Most qualifying graduates, however, choose to optimize their career opportunities by advancing into the Bachelor of Science in Electrical/Electronics Engineering Technology program.

Admission Requirements

Admission to the College of Engineering Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of studies.

Admission requires a high school diploma or equivalent, two years of mathematics including algebra and trigonometry and a minimum ACT math score of 19/SAT15 of 500. ACT Composite of 18 or SAT 16 Composite of 950. A laboratory science, preferably physics, and fundamental knowledge of personal computers are strongly recommended.

General Education Requirements

All University General Education requirements for an Associate’s degree are here

Please consult this link for a complete listing of General Education Electives.
Consult the Required Course above or program advisor for program specific General Education requirements.

Graduation Requirements

The Industrial Electronics Technology program at Ferris leads to an associate in applied science degree.

Students must

- maintain a 2.00 cumulative FSU GPA
- have 15 credits of Ferris classes (FSU Residency requirement)
- have a minimum 60 total credits to earn an associate degree
- have a minimum grade of a C- in any EEET or ENCS course to qualify as a pre-requisite for another EEET or ECNS course.
- complete all general education requirements as outlined on the General Education website.

More Information

EET & CNS Program Office
Ferris State University
915 Campus Drive/SWN 405
Big Rapids, MI 49307-2291
Phone: 231-591-2388
Email: eecn@ferris.edu

The College of Engineering Technology, Industrial Electronics Technology, AAS program is accredited by the Engineering Technology Accreditation Commission of ABET (ETAC-ABET) http://www.abet.org/
Next accreditation review is 2021.

ADA compliant checksheets are being developed for the 2019-2020 Catalog. If you would like to request an ADA compliant checksheet before the 19-20 catalog is published, please send your request to: FSUCurriculum@ferris.edu