Electrical/Electronics Engineering Technology

Required Courses

Why Choose Electrical/Electronics Engineering Technology?

Electronics, automation, and computers are the lifeblood of today's high tech societies. The Bachelor of Science in Electrical/Electronics Engineering Technology (BS EET) program graduates professionals that develop, design, apply, manage and direct the future of these technologies.

Graduates are prepared for careers in Industrial Automation and Controls, Digital and Embedded Systems Design, Instrumentation, Programming, or Control Networks. Our graduates often obtain positions with titles such as Control System Integrator, Product Designer, Embedded Systems Developer, Control and Network Specialist, Technical Sales Specialist, Electrical/Electronics Product Specialist, etc.

The BS in Electrical/Electronics Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET (ETAC-ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; Phone 410-374-7700.

Career Opportunities

The BS EET program is known for quality and responsiveness to industry. In addition to a solid foundation in electronic concepts, students learn the most current and relevant topics for today's advanced technologies. Real world theory and applications are emphasized throughout the program and theory is balanced with extensive hands-on experience. Program courses include topics in digital/microprocessors, control automation, industrial networking and motion control. Recognizing the diverse career paths our graduates may enter, course selection can be customized by each student. Opportunities are also provided to gain valuable experience through summer internships, senior design projects and professional organizations.

Students who have successfully completed an Associates degree in Industrial Electronics Technology from Ferris or an equivalent from another institution can usually complete the Bachelor of Science degree in Electrical/Electronics Engineering Technology in just two years.

The Bachelor of Science in Electronics Engineering Technology boasts a history of excellent placement, high starting salaries, and graduates enjoying very successful careers. The program has strong support from several corporations influential in these fields and is accredited through ETAC-ABET.

Admission Requirements
Students entering the program must have completed an associate degree (or equivalent) in a related program and have transferable courses in mathematics through pre-calculus with a minimum 2.35 GPA in the associate degree work. (MATH 220 placement)

If you do not meet these requirements when you apply, you may be referred to General Studies. Upon completion of all prerequisites, a program change to the degree may be approved. Admission counselors should be consulted for an evaluation of transferability.

**General Education Requirements**

All University General Education requirements for a Bachelor’s degree are here

Please consult this link for a complete listing of General Education Electives.

Consult the Required Courses above or the program advisor for program specific General Education requirements.

**Graduation Requirements**

The Electrical/Electronics Engineering Technology program at Ferris leads to a Bachelor of Science degree.

Students must

- maintain a 2.00 cumulative Ferris State University GPA
- have 40 credits at the 300/400 level
- have 30 credits of Ferris classes (FSU Residency requirement)
- have a minimum 120 total credits to earn a bachelor degree
- have a minimum grade of C- in any EEET or ECNS course to qualify as a prerequisite for another EEET or ECNS course
- complete all general education requirements as outlined in the General Education section of the University Catalog.

**More Information**

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

College of Engineering Technology
Ferris State University
1009 Campus Drive
Big Rapids, MI 49307-2280
Phone: 231-591-2890
The College of Engineering Technology, Electrical/Electronics Engineering Technology, BS 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