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Electrical Engineering Technology, A.S.

ind.tc/child-development-bs

The Associate degree in Electrical Engineering Technology from Indiana Tech prepares graduates for a successful career as an electrical, electronic or engineering technician. Studies in mathematics and science are coupled with courses focusing on the analysis, building and testing of circuits. Areas of focus include analog and digital circuits, programmable logic controllers (PLCs), electrical machines and electronic instrumentation. Students engage with these focus areas in classes and in laboratory settings, which provide them with both theoretical knowledge and hands-on experience.

All courses for this degree can be completed online, including the labs. Students will receive a kit to conduct all labs at home, on their own time. The kit includes measurement equipment, components and other tools that students will be able to keep and use upon completion of their degree.

Coursework in the Electrical Engineering Technology program also includes an emphasis on technical and lab report writing, as employers view communication skills as an essential part of the technician's role in a work setting. Another unique aspect of this program are the optional, in-person immersion events at Indiana Tech's main campus. The experiences will enable attendees to network with fellow students and professors, work with Career Services, utilize equipment in Indiana Tech's engineering labs, participate in team projects and more.

Program Educational Objectives

Upon completion of the Associate of Science in Electrical Engineering Technology students will:

- Demonstrate the scientific, engineering, and technical skill necessary to pursue a career as an electrical, electronic, or engineering technician.
- To effectively use critical thinking and problem-solving skills, scientific and engineering knowledge, and methods for application in industry.
- To be recognized as a valued professional and effective communicator in industries related to electrical engineering and electronic engineering technologies.
- To practice professionally in a collaborative, team-oriented manner that embraces the multicultural environment of today's business world.
- To function as a responsible member of society with willingness to mentor fellow employees and an understanding of the ethical, social,

and economic impact of their work. This information shows the Career/Salary Opportunities available to graduates of the Electrical Engineering Technology A.S. program.