The six schools of study at the ITT Technical Institutes2 (School of Information Technology, School of Electronics Technology, School of Drafting and Design, School of Business, School of Criminal Justice and Breckinridge School of Nursing and Health Sciences) teach skills and knowledge that can be used to help pursue careers in our global technology-driven culture.

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- the costs associated with each program of study;
- the placement rate for students who completed each program of study;
- the median loan debt incurred by students who completed each program of study;
- any other information that the ED provided to the ITT Technical Institutes about any program of study.

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1. This bachelor’s degree program includes courses that may be taught either completely in residence at the institute, completely online over the Internet as a distance education course, or partially in residence and partially online, as determined by the institute from time to time in its discretion. This program is not offered at all ITT Technical Institutes. Please refer to the specific ITT Technical Institute catalog for a complete list of the programs offered at the institute and which courses in each program may be taught in residence at the institute, completely online over the Internet as a distance education course, or partially in residence and partially online.

2. Not every institute has every school of study or offers all of the programs within a particular school of study. Please refer to the specific ITT Technical Institute catalog for details on the schools of study and programs of study offered at the institute.


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What It Means: 
According to the U.S. Bureau of Labor Statistics, "telecommunications firms supply an essential service to the U.S. economy." The communications industry offers wired, wireless and satellite services using such devices as wired phone and cable TV, as well as cellular phone, broadband and mobile Internet, and satellite TV, among others.

Fast data transmission is important to many businesses, households, and individuals. The industry continues to evolve, as fiber optic cables offer faster and higher capacity than traditional copper lines, and digital phone systems enable users to reach anyone in the world via satellite. In 2010, the United States was the world’s largest broadband market, with more than 83.3 million fixed (wired) broadband subscriptions and 136.6 million wireless broadband subscriptions.

The demand for communication devices has created a need for individuals with knowledge and skills to develop, install, test and maintain these devices. These professionals work for data and telecommunications service providers, TV and satellite services organizations, computer network sales and services organizations, electronic systems R&D facilities, and entertainment industries.

What It Means to You:
The Electrical Engineering and Communications Technology program in the School of Electronics Technology at ITT Technical Institute exposes students to fundamental knowledge and skills utilized in entry-level positions in electrical engineering and communications technology. Students will be exposed to a variety of basic electronics and computer principles and technical skills in both theory and practical application in a laboratory environment. Students will explore various topics in electrical circuitry, testing, systems analysis and testing, systems maintenance and report preparation.

Earn Your Bachelor’s Degree in One of Tomorrow’s Promising Areas of Study:
The Electrical Engineering and Communications Technology program in the School of Electronics Technology at ITT Technical Institute emphasizes technical knowledge and skills that can be used to help develop, install, test and maintain communications systems. Graduates of this program may pursue career opportunities in a variety of entry-level positions, such as applications engineer, associate engineer, bench technician, communications technician, electronics technician, engineering technician, field service engineer, and biomedical equipment technician.

The types of work environments that may use graduates with these skills include, among others: data and telecommunications service providers, TV and satellite services organizations, computer network sales and services organizations, electronic systems R&D facilities and entertainment industries.

Some of the Courses in the Program:
- Automatic Industrial Control
- Networking and Communications
- Mobile Wireless Technology
- Electrical Machines and Energy Conversion
- Telecommunications Systems and Technology
- Power Electronics
- Power Systems
- Fiber Optic Communications
- C++ Programming
- Green Energy Technology
- Embedded Systems
- Electronic Circuit Analysis and Design I and II

Equipment Used by Students in the Program:
Students will have the opportunity to use the following school equipment as required throughout the program: standard electronics test equipment such as multimeters, oscilloscopes, power supplies, signal generators and spectrum analyzers, cabin tools and test instruments and circuit and system simulation software. Please refer to the Student Equipment provision in the Online Course Information section of the specific school catalog for information relating to student equipment requirements for any distance education courses that are taught online over the Internet.

Length of the Program:
Based on the typical class schedule of a full-time student, this bachelor’s degree program is 14 quarters in length. A typical class session lasts approximately four to five hours. Class sessions are generally available in the day and evening, depending on student enrollment.

Admission Requirements:
Please consult the school catalog for an explanation of the admission requirements for this program. Please contact the specific campus regarding the opportunity to transfer credits earned at other postsecondary institutions to satisfy course requirements of this program.

Find out more about earning your Bachelor’s Degree in Electrical Engineering and Communications Technology at an ITT Technical Institute.

Call 1-800-ITT-TECH, or visit our website at www.ITT-tech.edu.
School of Electronics Technology
School of Electronics Technology

The ITT Technical Institute offers programs of study in a wide range of subjects that emphasize helping students develop knowledge and skills that can be used to pursue careers. The School of Electronics Technology at ITT Tech combines classroom theory and practical application in a laboratory environment. Not only has the rapid transmission of data become indispensable to many consumers and businesses, but most businesses also depend on complex electronic equipment for a variety of functions. Communications systems, automated equipment, machinery and safety systems all rely on electronic devices and systems. Individuals with the technical knowledge to help install, test, maintain and repair this equipment can be important to helping businesses remain productive. The electronics industry offers a variety of career opportunities across a wide range of fields.

Length of Program

Based on the typical class schedule of a full-time student, the bachelor’s degree program in the School of Electronics Technology can be completed in 15 academic quarters of study; an associate’s degree program can be completed in eight academic quarters of study. A typical class session in a course taught entirely in residence lasts four to five hours. A typical class session in a course taught partially in residence and partially online lasts two to three hours. Class sessions are generally available in the morning, afternoon and evening, depending on student enrollment. Courses in these programs may be taught entirely in residence at the campus, or partially in residence and partially online. The Program Curricula and Online Course Information sections of the school catalog contain specific information about how each course in these programs may be taught.

Admission Requirements

Please see the school catalog for an explanation of the admission requirements for these programs. Contact the specific campus for information on transferring credits earned at other post secondary institutions to satisfy course requirements of these programs.
The Electrical Engineering and Communications Technology program in the School of Electronics Technology at ITT Technical Institute exposes students to fundamental knowledge and skills utilized in entry-level positions in electrical engineering and communications technology. Students will be exposed to a variety of basic electronics and computer principles and technical skills in both theory and practical application in a laboratory environment. Students will explore various topics in electrical circuitry, testing, systems analysis and testing, systems maintenance and report preparation. The Electrical Engineering and Communications Technology program in the School of Electronics Technology at ITT Technical Institute emphasizes technical knowledge and skills that can be used to help develop, install, test and maintain communications systems. Graduates of this program may pursue career opportunities in a variety of entry-level positions, such as applications engineer, associate engineer, bench technician, communications technician, electronics technician, engineering technician, field service engineer, and biomedical equipment technician.

Some of the Courses in the Program:
- Automatic Industrial Control
- Networking and Communications
- Mobile Wireless Technology
- Electrical Machines and Energy Conversion
- Telecommunications Systems and Technology
- Power Electronics
- Power Systems
- Fiber Optic Communications
- C++ Programming
- Green Energy Technology
- Embedded Systems
- Electronic Circuit Analysis and Design I and II

Electrical Engineering and Communications Technology

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Some of the Courses in the Program:
- Automatic Industrial Control
- Networking and Communications
- Mobile Wireless Technology
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- Power Electronics
- Power Systems
- Fiber Optic Communications
- C++ Programming
- Green Energy Technology
- Embedded Systems
- Electronic Circuit Analysis and Design I and II
Electrical Engineering Technology
This program exposes students to a variety of fundamental skills utilized in entry-level electrical and electronics technician positions. The program balances classroom theory with practical application in a laboratory environment. If you are a person who likes to take things apart just to see how they work, the study of electrical engineering technology may offer knowledge and skills that interest you. This program can help graduates pursue their careers in a variety of entry-level positions in fields involving electrical engineering technology, such as electronics technician, service technician, telecommunications technician and engineering technician.

Some of the Courses in the Program:
- DC-AC Electronics
- Computer Structure and Logic
- Digital Fundamentals
- Solid State Devices
- Introduction to Networking
- Integrated Circuits
- Electronic Communications
- Introduction to C Programming
- Microprocessors and Microcontrollers
- Programmable Logic Controllers

May be of Interest to Someone Who
- Likes seeing how things work
- Works well as part of a team
- Is both creative and detail oriented

Some Types of Technology Used in this Area
- Computers
- Simulation and analysis software
- Test equipment (multimeter, power supply, oscilloscope, signal generator)

Possible Starting Positions
- Electronics technician
- Computer technician
- Field service representative
- Sales representative

A world of opportunity is waiting for those ready to take the next step forward in their education.

1. Bachelor’s degree programs are not offered at all ITT Technical Institutes, and not all ITT Technical Institutes offering bachelor’s degree programs offer all electronics technology programs. See the specific ITT Technical Institute’s school catalog for a complete list of the programs offered at that institute.

2. Courses in this program are taught (a) entirely in residence at the campus; or (b) partially in residence and partially online over the internet and are delivered by means of distance education.
Education for the Future.

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*Not all ITT Technical institutes have all six schools of study. Please refer to the particular ITT Technical institute’s school catalog for details on the schools of study at that institute.

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The center of the wheel identifies the program. The inside ring names some of the courses within the program that can help the student develop skills and knowledge to obtain entry-level positions identified in the outer ring.

Go to programinfo.itt-tech.edu to access information on the programs of study offered at the ITT Technical Institutes (“Programs”), including, among other things: the occupations that each Program can help students prepare to enter; the on-time graduation rate for each Program; the costs associated with each Program; the placement rate for students who completed each Program; and the median loan debt incurred by students who completed each Program.