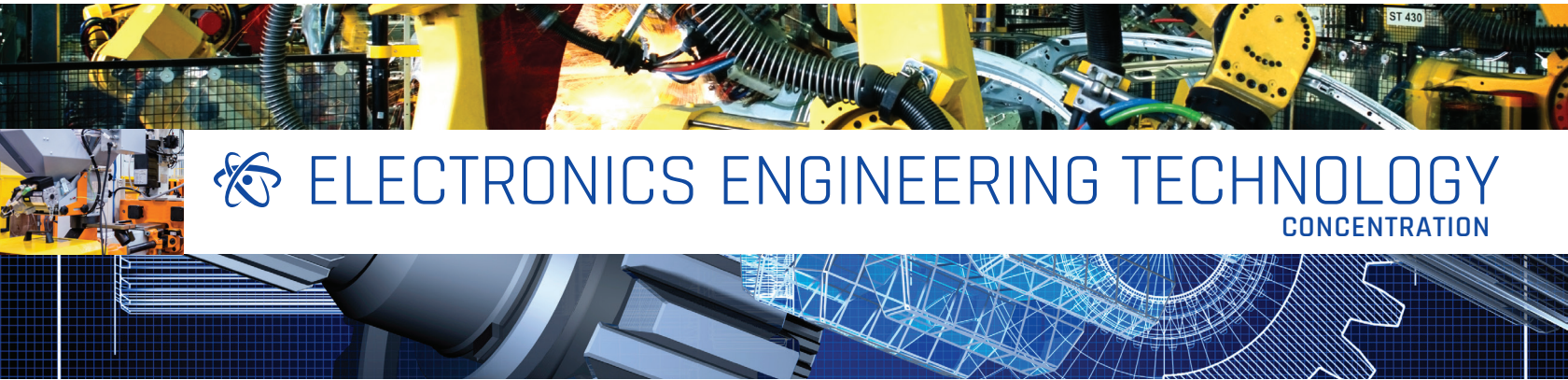




ELECTRONICS ENGINEERING TECHNOLOGY

CONCENTRATION

Electronic technology is intricately woven into many sectors of industry that affect our daily lives. It's a dynamic environment that requires professionals to sustain its progress. Wired phone and cable TV, cellular, broadband, mobile internet, and satellite TV are all impacted by electronic engineering technology. The investment in automated manufacturing is also changing the demands for a skilled workforce. Increasing demand for these services creates the need for technicians with skills to assist these growing sectors of the world economy.

Engineering technicians play a critical role. From conception to design, development, testing, and production, they are essential to the production process.

If you're a critical thinker who enjoys putting things together and integrating multiple systems, then a degree in Electronics Engineering Technology could be the start to pursuing your new career. ECPI University's Electronics Engineering Technology degree is a skills-based degree with hands-on labs, simulations, and faculty with industry experience. Through ECPI University's year-round schedule, you could earn an Associate of Science (VA, NC, and TX) or Associate of Applied Science (SC) Degree in Electronics Engineering Technology with a concentration in Electronics Engineering Technology in as little as 1.5 years.



Outcomes

At ECPI University, you learn from seasoned professionals, faculty members who possess academic credentials supported by real-world experience. Classrooms and labs are outfitted with industry-standard equipment, and the curriculum is designed with input from industry professionals. They help faculty members develop programs designed to produce graduates who fulfill the needs of today's employers.

ECPI'S ELECTRONICS ENGINEERING TECHNOLOGY PROGRAM COULD HELP YOU LEARN HOW TO:

- Use testing and measuring instruments to acquire data, analyze problems, and design a system or process
- Identify, analyze, and solve technical problems
- Demonstrate an ability to manage engineering technology projects
- Analyze and implement systems containing hardware and software components

TARGETED COURSEWORK INCLUDES:

- Analog and Digital Electronics and Communications
- Data Acquisition and Control Systems
- Computer Hardware and Software
- Computer Programming and Networks

Possible Career Track

- Engineering Technician
- Industrial Technician
- Electrical Engineering Technician
- Electronics Engineering Technician
- Computer Engineering Technician
- Production Technician
- Field Service Technician



ELECTRONICS ENGINEERING TECHNOLOGY CONCENTRATION

To receive the Associate of Science in Electronics Engineering Technology, the student must earn 76 semester credit hours. The program requires a minimum of five semesters or 18 months of instruction.

Program Requirements are as follows:

CORE CURRICULUM 25 SEMESTER CREDIT HOURS

	CREDITS
Electric Circuits I	3
Electric Circuits II	3
Electric Circuits LAB	1
Semiconductor Devices	3
Electronic Systems Applications	3
Digital Systems I	3
Digital Systems II	3
Introduction to Networking	3
Introduction to Programming	3

ARTS AND SCIENCES* 19 SEMESTER CREDIT HOURS

Principles of Communication	3
College Composition	3
Culture and Diversity: Exploring the Humanities	3
College Algebra	3
Physics	3
Physics LAB	1
ONE OF THE FOLLOWING	
Macroeconomics	3
Microeconomics	3
Introduction to Psychology	3

*For allowable substitutions of arts and sciences courses, see the Arts and Sciences Department page

SELF INTEGRATION 10 SEMESTER CREDIT HOURS

	CREDITS
Computer Configuration I	3
Engineering Math & Software Applications	3
Career Orientation	1
Essentials for Success	3

ELECTRONICS ENGINEERING TECHNOLOGY 13 SEMESTER CREDIT HOURS

Industrial Applications	3
Instrumentation and Measurement LAB	1
Digital Systems LAB	1
Introduction to Programmable Logic Controllers	3
Introduction to Programmable Logic Controllers LAB	1
Robotics and Smart Manufacturing (SM)	3
Robotics and Smart Manufacturing (SM) LAB	1

ELECTIVES* SEMESTER CREDIT HOURS 9

*Students must meet all pre-requisite requirements for their chosen electives.

SEMESTER CREDIT HOURS 76

*These are the courses making up the degree plan at the time of student enrollment. The University at its sole discretion may modify the program track as deemed necessary.

START DATE _____
ORIENTATION _____

Tuition Includes

- Tutoring
- Parking fees
- Graduate employment services
- Externships (if applicable)
- Subsidized certification vouchers
- Full- and part-time job assistance while attending school

Application Fee \$15 non-refundable, one-time charge

Registration Fee \$100

Monthly Payment Monthly payments are determined after all federal grants and loans, scholarships, and alternative loans are applied.

What You Need

- Complete FAFSA online at fafsa.gov (for help go to: ecpi.edu/fa)
- 3 references

Program Cost

- Associate = 5 semesters x \$8,712 = \$43,560 (estimate)
- Bachelor's = 8 semesters x \$8,712 = \$69,696 (estimate)
- ECPI semester = 15 weeks consisting of three 5-week terms
- Technology fee = \$480.00 per semester
- ECPI University reserves the right to make changes in tuition and fees without further notice.



ENGINEERING TECHNOLOGY PROGRAM DEGREES

BACHELOR'S DEGREE

- Electronics Engineering Technology
- Mechatronics

ASSOCIATE DEGREE

AS (VA, NC, and TX) AAS (SC)

- Electronics Engineering Technology
- Mechatronics

*Programs offered vary by campus location.

