MECHATRONICS
CONCENTRATION

Do you enjoy seeing how things are made? Are you fascinated by robotics and ultra-fast, automated manufacturing? Most of all, do you like working with your hands? It all comes together in the exciting world of Mechatronics where you could learn how to develop and troubleshoot robotics, programmable controllers, and integrated systems.

Engineering technologists play a critical role in advanced manufacturing, serving as a nexus between engineers and technicians. From conception to design, development, testing and production, they are essential to the production process.

In as little as 2.5 years, you could earn a Bachelor of Science Degree in Electronics Engineering Technology with a concentration in Mechatronics through ECPI University's year-round schedule.

1 YEAR	1.5	2 YEARS	2.5	3 YEARS
	ASSOCIATE DEGREE		BACHELOR'S DEGREE	
	MECHATRONICS		MECHATRONICS	

Outcomes

At ECPI University, your classroom experience is supported by hands-on instruction, using the same kind of technology found in the workplace.

THIS PROGRAM COULD TEACH YOU HOW TO:

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

TARGETED COURSEWORK INCLUDES:

‣ Applied Mechanics
‣ Programmable Controllers
‣ Hydraulics and Pneumatics
‣ Testing and Measuring Instruments
‣ Computer Hardware and Software
‣ Materials Science
‣ Analog/Digital Electronics and Communications
‣ Automation and Control Systems
‣ Computer Programming Networks
‣ Microcontrollers

Possible Career Track

Job titles for these positions include:

‣ Engineering Consultant
‣ Electrical/Computer Engineering Technologist
‣ Industrial Engineer
‣ Product Engineer
‣ Project Manager
‣ Field Service Technician
‣ Computer Engineering Technician
‣ Industrial Technician
‣ Electronics Engineering Technician