

# MAKE YOUR CAREER IN MANUFACTURING A REALITY

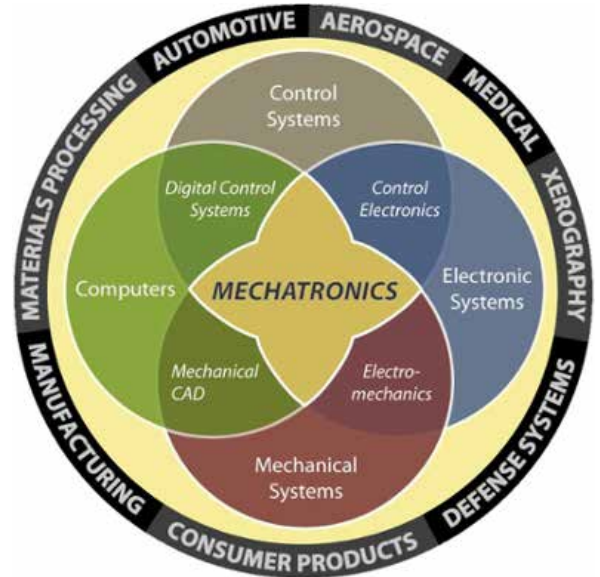
## Mechatronics/Automation Technician

### What is Mechatronics?

The word mechatronics describes a field that combines **mechanics** and **electronics**. The technology is used to create automated processes that operate with minimal human intervention, freeing workers from routine tasks.

Automated systems are used to produce electronic devices used in all industries – including manufacturing, computer-aided design, information technology, communications, medical and surgical devices and defense.

In these environments, production line down-time can cost thousands of dollars per hour in lost productivity and missed production deadlines. For the manufacturer to remain viable, it is imperative that their lines remain operating at peak efficiency. Mechatronics technicians keep the production lines functioning at the highest capacity.



### What is an automation technician?

The skills taught include electrical, mechanical, and computer technologies. Automation technicians will usually assist the design, development and engineering staff, as well as work closely with others to install, maintain, modify and repair mechatronic systems, equipment and component parts.

**The Bureau of Labor Statistics indicates that the median salary for experienced electro-mechanical technicians is \$53,340 per year or \$25.65 per hour.**



# Mechatronics/Automation Technician

**2** semesters of hands-on and classroom training.

**Financial Aid** available for those who qualify.

Paid internships at local manufacturers!

Career Placement Assistance!

**Credit for your work experience!**

Do you have industry experience? Your experience may qualify you to earn credit for some of the proposed certificate courses.

Call to schedule a time to come in for a learning assessment.

Learn More:  
Steve LaPointe  
Director, Advanced  
Manufacturing  
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## Semester 1: Basic Mechatronics

EGR 116 Hydraulics and Pneumatics (3 Credits)  
MFG 133 Math for Electricity and Electronics (3 Credits)  
MFG 143 Industrial Motor Controls (3 Credits)  
MFG 146 Programmable Logic Controllers (3 Credits)  
MFG 159 Industrial Maintenance (3 Credits)

## Semester 2: Advanced Mechatronics

MFG 138 Digital Fundamentals (3 Credits)  
MFG 140 Robotics (3 Credits)  
MFG 142 Electronic Circuits & Devices (3 Credits)  
MFG 145 Electronic Variable Speed Drive Systems (3 Credits)  
MFG 162 CNC Maintenance & Repair (3 Credits)

- Take an individual course or the entire two-semester proposed certificate.
- 30 credits apply to an Associate of Science in Technology Studies.
- Associate of Science in Technology Studies credits transfer to Central Connecticut State University's Bachelor of Sciences in Robotics and Mechatronics.

## Fall 2017

- Classes will run Monday - Friday, 3:30 - 6:30 p.m.
- All classes will be held at the QVCC Advanced Manufacturing Technology Center in Danielson.
- New to QVCC? Apply online today! [www.QVCC.edu/apply](http://www.QVCC.edu/apply)

