



Advanced Manufacturing Technology Center

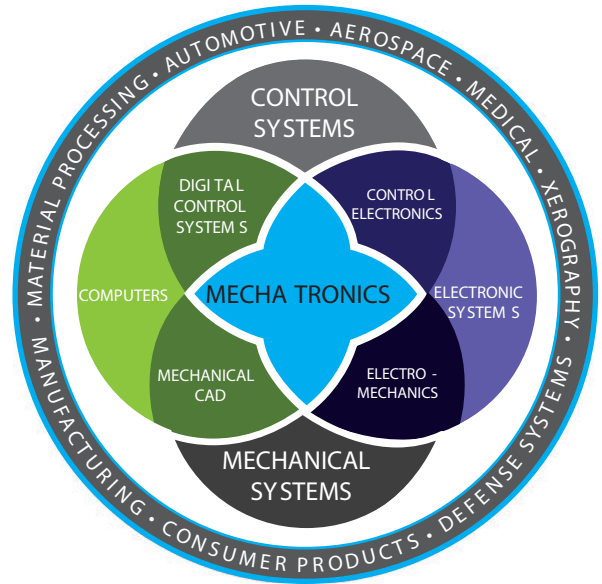
Mechatronics/Automation Technician

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 \$60,360 per year or \$29.02 per hour.



The Advanced Manufacturing Technology Center for Eastern Connecticut

QUINEBAUG VALLEY COMMUNITY COLLEGE

742 Upper Maple Street, Danielson, CT 06239

www.QVCC.edu/manufacturing

QVCC's Program

Instructors have years of experience in the robotics/automation field

Enhance your current skills to advance your career

Hands-on learning

Paid internships

Our Facility is NIMS Accredited (*National Institute of Metalworking Skills*)

Our graduates get jobs! Assistance with job placement

Earn a scholarship! Through the Gene Haas or QVCC Foundation

BECOME A STUDENT

ADMISSION

Apply online today and get accepted this week!

www.QVCC.edu/apply

- **Complete the on-line application:**
You will need an Email address to complete the application.
- **Submit your high school transcript, diploma or GED**
- **Submit your immunization records:**
Proof of immunization for measles, mumps and rubella if born after 1956 and for varicella, if born after 1979 (waived for students who are part-time and non-degree).

FINANCIAL AID

Apply for Financial Aid: www.fafsa.ed.gov

QVCC Code: 007635

ADVISING & REGISTRATION

Meet with an advisor to select the courses appropriate for your certificate. Stop by or call Jodi Clark jclark1@qvcc.edu 860.932.4128 or Sandy Gould sgould@qvcc.edu 860.932.4178.

2023-2024 Schedule

MFG 1330 Math for Electricity and Electronics	3
MFG 1415 Safety in the Workplace	1
MFG 1479 Career Awareness for Manufacturing	1
MFG 1343 Industrial Motor Controls	3
MFG 1344 Hydraulics and Pneumatics	3
MFG 1346 Programmable Logic Controllers	3
MFG 1359 Industrial Maintenance	3
MFG 1338 Digital Fundamentals	3
MFG 1340 Robotics	3
MFG 1342 Electronic Circuits & Devices	3
MFG 1345 Electronic Variable Speed Drive Systems	3
MFG 1337 Circuit Theory	3
or	
MFG 1362 CNC Maintenance & Repair	3
TOTAL CREDITS	32

Classes run Monday - Friday in the evening.

Take an individual course or the entire two-semester 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.

Employers Hire our Graduates!

After successful completion of the certificate program, graduates have been hired by:

Amazon, Gentex, Pepsi Co., Putnam Plastics, and Web Industries



Learn More:

Jodi Clark

**Advanced Manufacturing
Technology Center
Assistant Director**

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860.932.4128

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