The QVCC Advanced Manufacturing Technology Center

Make Your Career in Manufacturing a Reality

Certificate in Advanced Manufacturing Machine Technology

Do you know?

Connecticut ranks **#2** in high-tech employment nationally

More than half of the top **100** companies in Connecticut are manufacturers.

Connecticut manufacturers employ more than **168,000** people.

Connecticut ranks **#2** in the United States in defense contracts.

In Connecticut, manufacturing accounts for almost **$25 billion** in total manufacturing output.

Sabrina Bouvier '16, CNC Machinist , SPIROL, Danielson

Manufacturing in Connecticut

Manufacturing industries across Connecticut range from jet aircraft engines and helicopters to hydrogen fuel cells to signal processing and navigational tools to power systems, medical devices, and biotechnology.

Advanced Manufacturing Technology Center

Our new 10,000 square foot Advanced Manufacturing Technology Center supports the growing industry of manufacturing in Eastern Connecticut.

The Center supports the successful Advanced Manufacturing Machine Technology Certificate, new Mechatronics Certificate and provides businesses the opportunity for on-site meetings and training.

The Advanced Manufacturing Technology Center for Eastern Connecticut
QUINEBAUG VALLEY COMMUNITY COLLEGE
742 Upper Maple Street, Danielson, CT 06239
www.QVCC.edu/manufacturing/

Certificate in Advanced Manufacturing Machine Technology

The QVCC Difference

2 semesters of hands-on and classroom training.

Most students have paid internships! Some earn **$14/hr.**

Career Placement Assistance! Some graduates are earning **$19/hr.** after their first year!

30 credits can apply to an Associate Degree in Technology Studies!

95% of graduates are employed by eastern Connecticut manufacturers.

Fast-track to the second semester!

Do you have industry experience? Call to schedule a time to come in for a learning assessment.

Learn More:
Steve LaPointe
Director, Advanced Manufacturing
slapointe@qvcc.edu
860.932-4111

Semester 1

These courses expose you to machinery used in a current manufacturing environment. Our lab provides hands-on learning with the latest technologies available, along with the necessary tooling for projects used in learning basic machining. Successful completion prepares you for the advanced training in the second term.

MFG* 105	Manufacturing Math II	3
MFG* 115	Safety in the Workplace	1
MFG* 124	Blueprint Reading I	2
MFG* 152	Manufacturing Machinery - Grinding	2
MFG* 153	Manufacturing Machinery - Bench Work	2
MFG* 154	Manufacturing Machinery - Lathe I	2
MFG* 155	Manufacturing Machinery - Milling I	2
MFG* 156	Manufacturing Machinery - CNC I	2

Semester 2

The knowledge gained in Level I is applied to more advanced machining techniques that are necessary to gain entry level positions in a manufacturing environment.

CAD* 220	Parametric Design (SolidWorks)	3
MFG* 125	Blueprint Reading II	3
QUA* 114	Principles of Quality Control	3
MFG* 254	Manufacturing Machinery - Lathe II	3
MFG* 255	Manufacturing Machinery - Milling II	3
MFG* 256	Manufacturing Machinery - CNC II	3
TOTAL CREDITS		34

Earn Additional Credentials

Enrolled students have the opportunity to earn up to four credentials through the National Institute of Metalworking Skills as part of their certificate. The credentials will be in 1) Measurement, Materials and Safety; 2) Job Planning, Benchwork and Layout; 3) CNC Milling operator and 4) CNC Turning Operator.

Our Students Get Jobs!

The Eastern Advanced Manufacturing Alliance (EAMA) is comprised of more than 50 member manufacturers in eastern Connecticut, south central Massachusetts, and northwest Rhode Island. EAMA companies hire interns and graduates from the Advanced Manufacturing Machine Technology certificate program.

Sergio Garcia '14, CNC Machinist, Whitcraft, Eastford, CT

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