

Advanced Manufacturing Technology Center

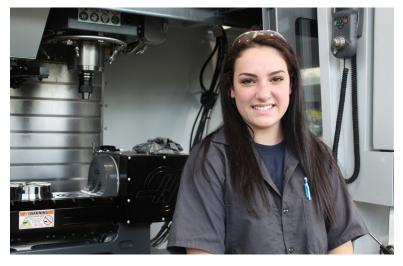
Certificate in Advanced Manufacturing Machine Technology



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- 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.





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/

4 STEPS TO BECOME A STUDENT

1. ADMISSION

Complete the on-line application:

You will need an Email address and credit or debit card 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)

2. FINANCIAL AID

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

QVCC Code: 010530

You will need:

- Student's & Parent's (Dependent Students) Federal Tax Forms & W2's
- We recommend using the "data retrieval tool" on the FAFSA website
- · Student's & Parent's social security numbers.

3. TAKE YOUR ASSESSMENT TEST

To schedule your Basic Skills Assessment (BSA) test sign up online at: www.timecenter.com/QVCC

If you have taken the SAT or ACT, you might be exempt from taking the BSA!

4. ADVISING & REGISTRATION

As a new student, you are highly encouraged to meet with an advisor to select the courses appropriate for your degree and/or certificate. Stop by or call **860.932.4008**

Do you have a quick question? Email advising: advising@qvcc.edu

Credit for your work experience!

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

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

2018-2019 Schedule

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* 124	Blueprint Reading I	2
MFG* 115	Safety In The Workspace	1
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.

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

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
- 4. CNC Turning Operator.



Learn More:

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