



# Advanced Manufacturing Technology Center

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.



## 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/](http://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](http://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](http://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](mailto: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 - <i>Grinding</i>	2
MFG*153	Manufacturing Machinery - <i>Bench Work</i>	2
MFG*154	Manufacturing Machinery - <i>Lathe I</i>	2
MFG*155	Manufacturing Machinery - <i>Milling I</i>	2
MFG*156	Manufacturing Machinery - <i>CNC I</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 - <i>Lathe II</i>	3
MFG*255	Manufacturing Machinery - <i>Milling II</i>	3
MFG*256	Manufacturing Machinery - <i>CNC II</i>	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
4. CNC Turning Operator.



Learn More:

**Steve LaPointe**

**Director, Advanced Manufacturing**

[slapointe@qvcc.edu](mailto:slapointe@qvcc.edu)

860.932-4111

[www.QVCC.edu/manufacturing/](http://www.QVCC.edu/manufacturing/)

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