



Advanced Manufacturing Technology Center

Certificate in Advanced Manufacturing Machine Technology

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.

In Connecticut

25,000 jobs in manufacturing will be available over the next 10 years.

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

Manufacturers employ more than **168,000** people.

We are ranked **#2** in the United States in defense contracts.

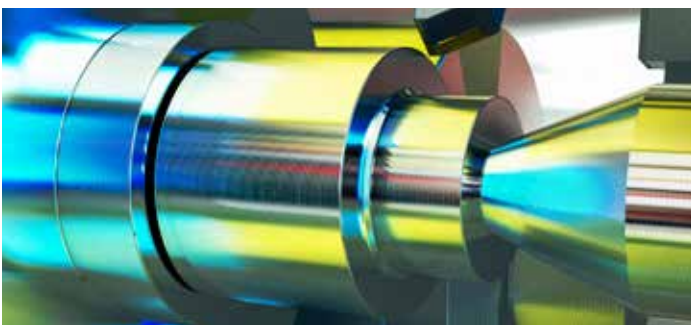
Manufacturing accounts for almost **\$25 billion** in total manufacturing output.



Advanced Manufacturing Technology Center

Our 10,000 square foot Advanced Manufacturing Technology Center supports the growing industry of manufacturing in Eastern Connecticut. Our offerings will continue to grow as demand for a skilled workforce increases.

The Center supports certificates in Advanced Manufacturing Machine Technology, Mechatronics and Metrology.



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

Earn a scholarship! Through the Gene Haas or QVCC Foundations

Our Facility is NIMS Accredited until 2023 (*National Institute of Metalworking Skills*)

Paid internships

Our graduates get jobs! Assistance with job placement - 95% employment rate.

Flexible Scheduling. Take classes during the day or night

Have previous experience? Earn up to 11 credits through prior learning assessment tests- Advance into the 2nd semester!

4 STEPS TO BECOME A STUDENT

1. ADMISSION

Apply online today and get accepted this week!
www.QVCC.edu/apply

2. FINANCIAL AID

Apply for Financial Aid: www.fafsa.ed.gov
QVCC Code: 010530

3. TAKE YOUR ASSESSMENT TEST

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

4. ADVISING & REGISTRATION

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

2020-2021 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* 115	Safety In The Workplace	1
MFG* 124	Blueprint Reading I	2
MFG* 153	Bench Work	2
MFG* 177	Machine Technology Fundamentals	4
MFG* 178	CNC Fundamentals	3

Semester 2

The knowledge gained in semester 1 is applied to more advanced machining techniques that are necessary to gain entry level positions in a manufacturing environment.

MFG* 125	Blueprint Reading II	3
MFG* 256	CNC II	3
MFG* 277	Advanced Machine Technology	4
QUA* 114	Principles of Quality Control	3
CAD* 220	SolidWorks	3

TOTAL CREDITS

31

30 credits apply to an Associate of Science in Technology Studies.

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:

- Measurement, Materials and Safety
- Job Planning, Benchwork and Layout
- CNC Milling Operator
- CNC Turning Operator.
- OSHA 10 hour General Safety and Health card



Learn More:

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