



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.

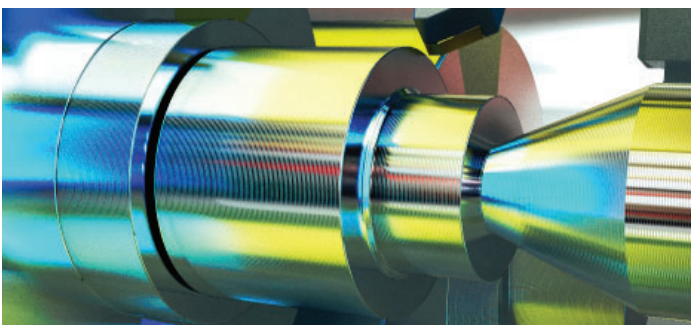
Manufacturing accounts for almost **\$25 billion** in total manufacturing output.



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 Foundation

Our Facility is NIMS Accredited (*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!

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

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 semester.

MFG 1405	Manufacturing Math	3
MFG 1415	Safety In The Workplace	1
MFG 1424	Blueprint Reading 1	3
MFG 1453	Benchwork	2
MFG 1477	Machine Technology Fundamentals	4
MFG 1478	CNC Fundamentals	3
MFG 1479	Career Awareness for Manufacturing	1

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 1425	Blueprint Reading 2 w/ GD & T	3
MFG 2456	Advanced CNC	3
MFG 2477	Advanced Machine Technology	4
MFG 1414	Quality & Lean Principles	3
MFG 1410	Solidworks	3

TOTAL CREDITS

33

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

Earn Additional Credentials

Enrolled students have the opportunity to earn an OSHA 10 General Safety card as well as up to four credentials through the National Institute of Metalworking Skills as part of their certificate. The credentials will be:

- Measurement, Materials and Safety
- Job Planning, Benchwork and Layout
- CNC Milling Operator
- CNC Turning Operator



Learn More:

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Director, Advanced Manufacturing

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