



QVCC Manufacturing Technology Center

QVCC's Manufacturing Technology Center will be modeled after the successful Manufacturing Machining Program at Asnuntuck Community College. The Center is a result of Governor Malloy and the Connecticut State Legislature's support and approval of an appropriation of \$17.8 million for three additional Centers at Connecticut community colleges.

Funding from the state will support enhanced manufacturing laboratories and equipment to address the growing need for a skilled manufacturing workforce. Year one of the Center will focus on fundamental machining competencies and Computer Numerical Control (CNC) programming and machining.

Future years will expand offerings into Quality Inspection, Metrology and Mechatronics (Circuits, PLC Automation and Data Acquisition). Lean Manufacturing concepts and techniques will be integrated throughout the curriculum.

The new Manufacturing Center will provide financial aid for students, opportunities for scholarship programs and potential paid internships/apprenticeships capabilities within the advanced manufacturing industry sector in the State.

Year One Certificate Programs

Through a partnership with H.H. Ellis Technical High School, students will start in the fall of 2012 in a 16-credit certificate program followed by an 18 credit advanced certificate in spring 2013.

Basic Manufacturing: Machine Technology Level 1

The objective of this credit certificate is to provide a primary level of essential skills and knowledge to individuals seeking a background in the machining area of manufacturing. This certificate provides entry level skills to those seeking employment in machine technology environments. It provides the employment skills associated with a Machine Technology Level I program which combines laboratory hands-on instruction with theory and possible on-site manufacturing apprenticeships. Successful mastery of this certificate is required for entry into the Advanced Manufacturing: Machine Technology Level II credit certificate.

CAD* 110	Introduction to AutoCAD	3
MFG* 124	Blueprint Reading I	2
MFG* 151	Manufacturing Machinery - Drill Press and Saw	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
	Total Credits	16

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Year One Certificate Programs

Advanced Manufacturing: Machine Technology Level II

This second level of essential skills and knowledge will provide individuals seeking a more advanced background in the machining area of manufacturing. This certificate provides entry level skills to those seeking employment in machine technology and CNC manufacturing environments. Additionally, credits earned in this certificate can be applied to the COT's Technology Studies: Advanced Manufacturing degree option which can be used for seamless transfer to receiving four-year universities (Central Connecticut State University and the University of Hartford).

MFG* 105	Manufacturing Math II	3
MFG* 125	Blueprint Reading II	3
MFG* 114	Manufacturing 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	18



CONTACT INFORMATION

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THE MISSION

The Center will be to offer a variety of certificate programs in manufacturing for incumbent workers, displaced workers, returning veterans, Technical High Schools (2+2 articulations), and traditional college students. The Center will also serve the existing cohort of manufacturing students.

QUINEBAUG VALLEY COMMUNITY COLLEGE

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