Connecticut’s Manufacturing Positions

**OPERATIONS**
- Machine Operators / Machinists
- Computer Numerical Control (CNC)
- Metal Fabricators
- Welders
- Assemblers
- Internal Transportation / Drivers
- Technicians
- Supervisors

**BUSINESS SUPPORT**
- Sales & Business Development
- Accounting & Financial Management
- Purchasing
- Business Management
- Office Staff

**TECHNICAL SUPPORT**
- Design Engineers
- Programmers
- Quality Engineers
- Manufacturing Engineers
- Process Engineers
- Lab Technicians
- Maintenance Workers
- Supervisors

**QUALITY ASSURANCE**
- Inspectors
- Coordinate Measuring Machine Operators
- Technicians
- Supervisors
Course Curriculum

Advanced Manufacturing: Machine Technology - Semester I

Total credits: 16

MFT H5235 Manufacturing Math I
MFT H5010 Metrology
MFT H5236 Career Awareness
QUA*114 Principles of Quality Control (3 credits)
MFG*124 Blueprint Reading I (2 credits)

Basic Machining - Credit Courses

MFG*151 Manufacturing Machinery – Drill Press and Saw (1 credit)
MFG*152 Manufacturing Machinery – Grinding (2 credits)
MFG*153 Manufacturing Machinery – Bench work (2 credits)
MFG*154 Manufacturing Machinery – Lathe I (2 credits)
MFG*155 Manufacturing Machinery – Milling I (2 credits)
MFG*156 Manufacturing Machinery – CNC I (2 credits)
Advanced Manufacturing: *Machine Technology* - Semester II

**Total credits: 18**

MFG*105 Manufacturing Math II (3 credits)

MFG*125 Blueprint Reading II (3 credits)

CAD *110 Introduction to CAD (3 credits)

**Advanced Machining & CNC**

MFG*254 Manufacturing Machinery – Lathe II (3 credits)

MFG*255 Manufacturing Machinery – Milling II (3 credits)

MFG*256 Manufacturing Machinery – CNC II (3 credits)

**Semester II - Non-Credit Course**

MFT H5238 Career Advancement

MFT H5239 CNC Projects
Hands – On Training

- Students receive 400+ contact hours using brand new, state-of-the-art machinery upon certificate completion.

- Instructors have a combined 75+ years of machining experience.

- Hours recognized by CT State Apprenticeship Program (600 classroom hours)
Bridging Academe with Business & Industry

BUILDING STRONGER RELATIONSHIPS
Building a Partnership Between Community Colleges & Technical High Schools
Job Placement

- Soft Skill Development
- Internships
- Job Placement Center
- Industry Partners
- Area Chambers
- Business Associations
Business & Industry Partners
Over 125 partners and growing
2014 AMTC Graduates Job Placements

Brian Williams  Dempsey Manufacturing, Watertown CT.

Hannah Lenoce  Marion Manufacturing, Cheshire CT.

Ed Angell  Pratt Brothers, Waterbury CT.

NVCC REDUCING THE SKILLS GAP
NVCC Advanced Manufacturing Program Outcomes to date

• Program graduation rate 71%
• Student Internships per year 85%
• Manufacturing final Job Placements 87%
Class of 2013  a student running a 3 axis CNC
Class of 2014 students running a 3 axis CNC Lathe
NVCC-AMTC Graduates Class of 2014
A bridge connecting Education with Industry

A great solution in reducing the growing “Skills gap”

Thank You

Naugatuck Valley Community College