
Advanced Machinist Apprenticeship Program

**GW Plastics/North Hartland Tool Corporation/
Concepts NREC**

**Jeffrey Higgins, Program Director
Vermont Technical College**

**Carrie Wright, Project Manager
Vermont Technical College**



**Continuing Education &
Workforce Development**

Advanced Machinist Apprenticeship Course Sequence

Spring 2013:

MEC1011 Design Communications
HACTC, MW 4 pm - 6:30 pm

Fall 2013:

MAT1340 Introduction to
Technical Math
VTC, Days/Times TBD

Spring 2014

MAT1420 Technical Math
VTC, Days/Times TBD

Fall 2014:

PHY1041 Physics I
VTC, Days/Times TBD

Spring 2015

MEC1020 Manufacturing Processes
Location/Days/Times TBD

Fall 2015

MEC1060 Metrology & Inspection
Location/Days/Times TBD

Spring 2016

MEC2040 Computer-Aided
Technology
Location/Days/Times TBD

Fall 2016

ELT2730 Engineering Project
VTC, TBD



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Associate Degree & Apprentice Program

- General Education (20 credits)
English I, Technical Communications, Humanities elective, Social Science elective, Technical Math I, Physics I
- Foundation Courses (20 credits)
Computer Applications, Communications, Technical Mathematics II, Physics II, Technical Elective
- Emphasis Courses: (20 Credits)
Design Communication, Manufacturing Processes, Metrology & Inspection, Computer-Aided Technology, Engineering Project, 8 additional emphasis credits.

Total Credits = 60

Apprentice Program Courses:

- Technical Math I (5 cr.)
- Technical Math II (5 cr.)
- Physics I (4 cr.)
- Design Communications (2 cr.)
- Manufacturing Processes (2 cr.)
- Metrology & Inspection (3 cr.)
- Computer-Aided Technology (2 cr.)
- Engineering Project (3 cr.)

Total Credits = 27

Background: Adult Students

- By 2013, 80% of the workforce will be required to have some formal education beyond high school

United States Department of Labor, 2010

- Among the Vermont's 50 fastest growing occupations, 44 require significant postsecondary education or training

Vermont Business Roundtable, 2011

- People with associate degrees earn 40 percent more than people with only a high school diploma, and people with bachelor's degrees earn on average 80 percent more over their lifetimes

Education Policy Foundation, 2011



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Policies and Procedures

You are a Vermont Technical College student:

- Transcripts
- Library Access
- SHAPE Facilities (college ID needed)
- Grading Policies
- Attendance Policies (3 absences)
- Instructor Evaluations
- Tutoring



Continuing Education &
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Your Vermont Tech Team

Jeff Higgins, Faculty Chair, External Degree Programs

Role: Academic Affairs

- Hiring Faculty, Faculty Support, Curriculum and Instruction, Academic Advisor for Students

Contact Info: jhiggins@vtc.edu; 728-1217

Carrie Wright, Manager, External Degree Programs

Role: Student Affairs

- Student Registration, Application Process, Textbooks and Supplies, Individualized Education Plans for Students

Contact Info: cwright@vtc.edu; 728-1305

Questions



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