

Precision Machining

(Hampton Campus) Course #8539/8540
 One Year Program

College
 Credit
 Available

ENGINEERING/MANUFACTURING TECHNOLOGY



If You Like:

- Working in a fast paced environment
- Troubleshooting
- Complex problem solving
- Critical thinking

..... Then this is the program for you!

About the program:

- One year program that provides an introduction to students to use precision tools and instruments to include operation and setup of various types of precision grinders, milling machines, and drill presses. There is also a focus on computer numerical control program writing, setup, and operation for lathe and milling machines. Students who successfully complete the Precision Machining program will earn 19 dual enrollment credits and is eligible for a TNCC Precision Machining Career Studies Certificate upon graduation.

Credentials:

- NIMS – National Institute for Metalworking Skills Exam
- NOCTI – Machining

Entry Employment:

- Average machinist salary is \$33,000 - \$55,000 or higher based upon skill set

Topics of study:

- Milling machines
- Metallurgy
- Grinding & Abrasive Machining
- Quality Control
- Precision Instruments
- Systems of Measurement
- Coordinate Measuring Machining
- Lathe and Mill Work
- Numerical Control Techniques
- Programming Computerized Numeric Control Machines

Important Note: Students must take and pass the VA Math and English Placement Test before acceptance into this program