



ADVANCED MANUFACTURING

CIP Code: 48.0501

Program Overview

This is an instructional program that prepares individuals to apply technical knowledge and skills in shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, milling machines, grinders, drills and computer operated equipment (CNC). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate machine tools and become entry level employees.

Classes are held Monday thru Friday from 8:15am-2:45pm.

Program Cost: \$6,500.00 – Effective 7/1/2023

**Estimated expenses not included in tuition: Required clearances (\$55.00), certification testing (N/A), textbook/online materials (\$225.00), supply (N/A) and/or uniform (\$100.00) costs.*

Textbook/Online Materials Requirements:

Precision Machining Technology, 1st edition, by: Hoffman/Hopewell/Janes/Sharp
(ISBN: 978-1435447677)

Certifications: National Institute for Metalworking Skills -7 (NIMS) and OSHA 10

Program Start Dates: Fall (Late August) OR Spring (Mid-January) Semester Annually

Program Length: 900 hours

This program is accredited by the PA Department of Education.

Please contact the Adult Education Office by phone at 814-201-9837 or email to info@jefftech.edu for additional information.

As always, Thank you for choosing Jeff Tech!