

PROGRAM OF STUDY

Manufacturing 1 Certificate of Achievement

After completing course work for Manufacturing Certificate 1, students will be able to work safely in a manufacturing environment. In addition, learned skills in turning, milling, welding, shop math, precision measurement, blueprint reading, industrial materials and electricity, will allow them to perform basic manufacturing tasks required for entry level employment in the manufacturing trades.

Upon completion of the program, students will be able to:

- Demonstrate shop safety.
- Operate turning and milling proficiently.
- Identify basic operation of electrical systems.
- Demonstrate basic precision measurement.
- Interpret blueprints and shop drawings.
- Demonstrate basic welding processes.

Select one option

		Units
Option 1 - 12 units		
MFGT11	Introduction to Manufacturing	12
Option 2 - 15 units		
MFGT51	Manufacturing Essentials	5
MFGT60	Introduction to Welding	5
MFGT80	Introduction to Machine Shop	5
Option 3 - 14 units		
MFGT21	Blueprint Reading	2
MFGT60	Introduction to Welding	5
MFGT80	Introduction to Machine Shop	5
Option 3 must include one of the following courses:		
MFGT22	Industrial Materials	2
MFGT23	Electricity	2

Total Units

12 - 15

Effective Term: Fall 2018

PID 708