

PROGRAM OF STUDY

Machinist Certificate of Achievement

Completion of the Machinist Certificate of Achievement program prepares students for entrance into the manufacturing technology workforce or transfer to a four-year college.

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

- Demonstrate shop safety.
- Operate turning and milling machines proficiently.
- Operate computer numerical control machines.
- Demonstrate basic precision measurement.
- Interpret blueprints and shop drawings.
- Differentiate industrial materials.

Required courses

| | | Units |
|---------|--|--------------|
| MFGT19V | Cooperative Work Experience - Manufacturing Technology | 1 |
| MFGT81 | Intermediate Machine Shop | 6 |
| MFGT82 | Advanced Machine Shop | 6 |

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

25 - 28

Effective Term: Fall 2018

PID 707