

## PROGRAM OF STUDY

### Welding Certificate in

Students will be able to perform oxy-acetylene fusion welding on plate, pipe, and tubing of carbon and stainless steel; brazing on carbon steel, cast iron; hard soldering on ferrous and nonferrous materials; oxy-acetylene cutting using a hand torch, straight line cutter, and optic-cutter; electric arc welding on mild steel plate in flat, horizontal, vertical and overhead positions. Students will have basic skills in Mig, Tig, and Inner shield welding on carbon steel, stainless steel, and aluminum.

#### Required Courses

|        |           | Units |
|--------|-----------|-------|
| MFGT60 | Welding 1 | 4     |
| MFGT61 | Welding 2 | 4     |

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#### Total Units

**8**

Effective Term: Fall 2012

PID 313