

**WELD 128**  
**Basic Welding**  
**Course Competencies**

|  |                                       |
|--|---------------------------------------|
| Apply safety practices in the welding lab      | Arc but flat 7018                     |
| Identify parts of an oxyacetylene unit         | Arc lap 6011/6010                     |
| Setup/shut down manifold system                | Arc tee horizontal 6011/6010          |
| Setup/shut down portable cutting/welding torch | Arc horizontal tee7018                |
| Change tanks on Oxyacetylene equipment         | Arc horizontal 7018/6011 butt         |
| Oxyacetylene beads without rod                 | Arc outside corner ½” plate 6011/7018 |
| Oxyacetylene beads with rods                   |                                       |
| Oxyacetylene butt with rod                     |                                       |
| Oxyacetylene cut a straight edge               |                                       |
| Oxyacetylene cut blind hole                    |                                       |
| Oxyacetylene lap weld with rod                 |                                       |
| Oxyacetylene outside corner                    |                                       |
| Oxyacetylene tee horizontal with rod           |                                       |
| Oxyacetylene vertical butt up with rod         |                                       |
| Oxyacetylene cut a beveled edge                |                                       |
| Oxyacetylene setup/shutdown                    |                                       |
| Oxyacetylene braze beads                       |                                       |
| Oxyacetylene braze butt joint                  |                                       |
| Operate bench grinder                          |                                       |
| Operate hand grinder                           |                                       |
| Operate drill press                            |                                       |
| Cut metal with band saw                        |                                       |
| Cut metal with chop saw                        |                                       |
| Properly setup/adjust an arc welder            |                                       |
| Understand rod identification system (AWS)     |                                       |
| Arc short starts 10 6013/6011                  |                                       |
| Arc buildup beads 6013/6011                    |                                       |
| Arc beads 6013/6011                            |                                       |
| Arc restarts 16 6013/6011                      |                                       |
| Arc butt flat 6011/6010                        |                                       |