# WELDING

Welding deals with the joining of metals with gas-fueled torches or electric-arc processes. Welding is a vital construction skill that involves principles and uses of oxyacetylene, T.I.G., M.I.G. and electric arc.

Present job opportunities for welders include structural steel welding, pipe welding and job shop welding. Additional opportunities in nuclear power facilities exist for persons who are certified in this highly skilled field.

**Certificate: Welding (CIT.WLD)**
**Credits Required for Graduation: 23**

**Overall Grade-point average of 2.00 (C=2) on all college work presented to fulfill program requirements.**

| Complete course work in the following areas: | | **Credits** |
|---|---|---|
| WLD 106 | Gas and Arc Welding (WLD102 &104) | 4 |
| WLD 111 | Arc Welding I | 4 |
| WLD 113 | Arc Welding II | 4 |
| WLD 115 | Arc Welding III | 4 |
| WLD 132 | Inert Gas Welding Ferrous | 4 |
| WLD 134 | Inert Gas Welding Non-Ferrous | 3 |

# INDUSTRIAL TECHNOLOGY CERTIFICATE PROGRAMS

Students who may prefer to enter a certificate program should request curriculum requirements from Student Services or advisor. Current certificate programs include:

**Computer-Assisted Drafting CET.CAD** 14 credits
EGT 110 or 111, 151, 152, 251, 252

**CNC (Computer Numerical Controls) CIT.CNC** 16 credits
MTT 251, 252, 253, 254, 255

**Machine Operator CIT.MOP** 27 credits
EGT 106; MAT 168; MTT 121, 122, 123, 124, 141, 147; Elective

**Motor Controls CIT.MCT** 9 credits
EEM 115, 151, 251

**Residential Wiring CIT.RWR** 9 credits
EEM 115, 140, 165

**Electronics/Industrial Applications CIT.EIA** 31 credits
EEM 115, 116, 140, 151, 160, 165, 201, 251; MAT 155

**Tool and Die CIT.MTT** 35 credits
MAT 168, MTT 126, 211, 131, 132, 133, 251, 252, 253

**Architectural Drafting CIT.ADT** 16 credits
AET 110, 111, 120, 221, EGT 106