

WELDING AND METALS FABRICATION - BASIC TECHNICAL CERTIFICATE (BTC)

Explore More About This Program: <https://cwi.edu/program/welding-and-metals-fabrication>

Certificate Quick Facts

- **Instructional School:** Industry, Engineering, and Trades
- **Department:** Manufacturing and Welding
- **Program Code:** WEMF.BTC
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

Certificate Requirements

| Course | Course Title | Min Credits |
|--------------------------------------|---|-------------|
| Major Requirements | | |
| WEMF 111 | Safety and Leadership I | 1 |
| WEMF 112 | Safety and Leadership II | 1 |
| WEMF 125 | Blueprint Reading for Welders I | 1 |
| WEMF 126 | Blueprint Reading for Welders II | 1 |
| WEMF 127 | Blueprint Reading for Welders III | 1 |
| WEMF 128 | Blueprint Reading for Welders IV | 1 |
| WEMF 135 | Gas Metal Arc Welding (GMAW) Practical | 4 |
| WEMF 155 | Welding Theory I | 1 |
| WEMF 156 | Welding Theory II | 1 |
| WEMF 157 | Welding Theory III | 1 |
| WEMF 158 | Welding Theory IV | 1 |
| WEMF 175 | Shielded Metal Arc Welding (SMAW) Practical | 4 |
| WEMF 180 | Production Welding | 4 |
| WEMF 185 | Gas Tungsten Arc Welding (GTAW) Practical | 4 |
| Minimum Credit Hours Required | | 26 |