

Manufacturing Welding Practitioner

Diploma

(Code: MVWEL)

The welding diploma prepares students in gas metal arc welding and shielded metal arc welding techniques. The program includes several courses with laboratory components where students will practice their skills and lab procedures. In addition, the program is being built with the expectation that after taking these welding courses, students will test for the proper certifications with qualified trainers to establish their competencies for local businesses wanting a track record of qualifications. These competencies have been aligned with The American Welding Society Level 1 SENSE program. SENSE: Schools Excelling through National Skills Education.

| General Education | | Credit Hours |
|--|-------------------------------------|--------------|
| ENG111 | Technical Writing | 3 |
| MAT765 | Welding Mathematics | 3 |
| Total | | 6 |
| Program Requirements (select 29 credit hours) | | |
| SDV135 | Job Seeking Skills | 1 |
| WEL103 | Oxy-Acetylene Welding & Brazing | 1 |
| WEL228 | Welding Safety/Heath: SENSE1 | 1 |
| WEL233 | Print Read/Sym Interp: SENSE1 | 3 |
| WEL244 | GMAW Short Circuit Transfer: SENSE1 | 2 |
| WEL245 | GMAW-Spray: SENSE1 | 2 |
| WEL251 | GTAW Carbon Steel: SENSE1 | 2 |
| WEL252 | GTAW Aluminum: SENSE1 | 1 |
| WEL253 | GTAW Stainless: SENSE1 | 1 |
| WEL254 | Inspection/Test Princ: SENSE1 | 1 |
| WEL262 | OFC-I Manual & Mech: SENSE1 | 2 |
| WEL263 | PAC/CAC: SENSE1 | 2 |
| WEL274 | SMAW I: SENSE1 | 3 |
| WEL275 | SMAW II: SENSE1 | 3 |
| WEL280 | FCAW Self-Shielded: SENSE1 | 2 |
| WEL281 | FCAW (Gas Shielded): SENSE1 | 2 |
| Total | | 29 |
| Total Required Hours | | 35 |