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## Welding Technology

### Degree Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 32 credit hours. Consult with an advisor for more information.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

| Required Courses                     |  |              |  |
|--------------------------------------|--|--------------|--|
| Course ID                            | Course Title                           | Credit Hours | Notes  |
| WE102                                | Welding Blueprint Reading              | 3.00         | Spring 2026, Fall 2026   |
| WE104                                | Shielded Metal Arc Welding             | 3.00         | Fall 2026  |
| WE105                                | Shielded Metal Arc Welding II          | 3.00         | Spring 2026, Fall 2026<br>Prereq: WE104 SMAW w/Grade of C or Higher, or Departmental Consent.  |
| WE106                                | Cutting Processes for Welding          | 2.00         | Fall 2026  |
| WE110                                | Gas Metal Arc Welding                  | 3.00         | Spring 2026, Fall 2026   |
| WE111                                | Gas Metal Arc Welding II               | 3.00         | Spring 2026, Fall 2026<br>Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Higher.  |
| WE112                                | Gas Tungsten Arc Welding               | 3.00         | Spring 2026, Fall 2026   |
| WE113                                | Gas Tungsten Arc Welding II            | 3.00         | Spring 2026<br>Prereq: WE112 GTAW w/Grade of C or Higher.  |
| WE115                                | Welding Layout and Calculations        | 2.00         | Spring 2026, Fall 2026   |
| WE117                                | Welding Inspection and Qualification I | 2.00         | Spring 2026, Fall 2026   |
| WE128                                | Welding Metallurgy                     | 2.00         | Spring 2026, Fall 2026   |
| Electives                            |  |              |  |
| Course ID                            | Course Title                           | Credit Hours | Notes  |
| <b>Welding Options Certificate A</b> |  | <b>1.00</b>  |  |
| ★ TR121                              | General Industrial Safety/OSHA10       | 1.00         | Spring 2026, Summer 2026, Fall 2026  |
| WE101                                | Welding Safety                         | 1.00         | Fall 2026  |
| <b>Welding Options Certificate B</b> |  | <b>2.00</b>  |  |
| ★ WE116                              | Flux Cored Arc Welding                 | 2.00         | Spring 2026<br>Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Higher, or Departmental Consent, and WE111 Gas Metal Arc Welding II w/Grade of C or Higher. |
| WE118                                | Industrial Robotic Welding             | 2.00         | Spring 2026<br>Prereq: WE110 Gas Metal Arc Welding, or Departmental Consent.   |

**Total Credits: 32.00**

#### Program Notes:

Semester offerings are based on location. Consult an advisor for more information.