



Certificate A

16-29 Credit Hours

Welding Technology Level 1

- Welding Safety and/or OSHA 10 or 30
- Blueprint Reading
- Minimum one process (SMAW, GMAW, GTAW)

Student position qualifications:

- AWS 1F, 2F, and 1G

Certificate B

30-44 Credit Hours

Welding Technology Level 2

- Level 1 Requirements
- One additional position qualification
- Two additional processes (SMAW, GMAW, GTAW)

Welding proficiency equal to or exceeding (AWS) standard D1.1 on 3/8" thick carbon steel plate

Certificate C

45-59 Credit Hours

Welding Technology Level 3

- Level 1 and 2 Requirements
- One additional position qualification

Welding proficiency equal to or exceeding (AWS) standard D1.1 on 3/8" thick carbon steel plate

A.A.S.

60-68 Credit Hours

Welding Technology Degree

- Level 1, 2, and 3 Requirements
- Minimum of 15 Credit Hours of General Education

Common Courses within Program

Common Courses **9 credits:**

Shielded Metal Arc Welding (SMAW) 3 credits

Gas Metal Arc Welding (GMAW) 3 credits

Gas Tungsten Arc Welding (GTAW) 3 credits

Support Courses* **2-6 credits:**

Blueprint Reading 1-3 credits

Welding Safety and/or OSHA 10 or 30 1-3 credits

Course list sequence has no implication on course scheduling by colleges.

Institutions may add additional competencies based on local demand.

Competencies identified within the Common Courses and/or Support Courses represent opportunities for articulation with K-12.

**Institutions may utilize existing like course titles for Support Courses that adhere to the agreed upon course lengths.*

Notes

Specifics pertaining to Welding Technology programs:

1. 6G Position on Pipe (with 2 of 4 GTAW, SMAW, GMAW, and FCAW on carbon steel) and ASME Section 9 qualifications are optional competencies; but colleges are strongly encouraged to pursue these credentials based on regional employer needs and students' career direction.
2. Colleges are encouraged, not required, to offer the following supplementary credentials: Kansas WORKReady! Certificate (Silver Level) and SENSE Level 1 exam (AWS).