



## 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 process (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 **10-12 credits:**

Shielded Metal Arc Welding (SMAW)	3 credits
Gas Metal Arc Welding (GMAW)	3 credits
Gas Tungsten Arc Welding (GTAW)	3 credits
Welding Safety and/or OSHA 10 or 30	1-3 credits

### Support Courses\* **1-3 credits:**

Blueprint Reading	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).