Welding Technology Program Alignment
Kansas Board of Regents
CIP: 48.0508

Welding Technology Level 1
Courses:
- Welding Safety and/or OSHA 10 or 30
- Blueprint Reading
- Minimum one process (SMAW, GMAW, GTAW)
Student position qualifications:
AWS 1F, 2F, and 1G

Welding Technology Level 2
Level 1 requirements plus
- 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

Welding Technology Level 3
Level 1 and 2 requirements plus
- One additional position qualification
Welding proficiency equal to or exceeding (AWS) standard D1.1 on 3/8” thick carbon steel plate

Welding Technology Degree
Level 1, 2, and 3 requirements plus
- 15 credit hours of General Education (minimum)

Certificate A
16 to 29 credit hours

Certificate B
30 to 44 credit hours

Certificate C
45 to 59 credit hours

A.A.S.
60-68 credit hours

Common Courses within the Program

<table>
<thead>
<tr>
<th>Common Courses</th>
<th>10-12 credits:</th>
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<tbody>
<tr>
<td>Shielded Metal Arc Welding (SMAW)</td>
<td>3 credits</td>
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<tr>
<td>Gas Metal Arc Welding (GMAW)</td>
<td>3 credits</td>
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<tr>
<td>Gas Tungsten Arc Welding (GTAW)</td>
<td>3 credits</td>
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<tr>
<td>Welding Safety and/or OSHA 10 or 30</td>
<td>1-3 credits</td>
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<table>
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<tr>
<th>Support Courses</th>
<th>1-3 credits:</th>
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</thead>
<tbody>
<tr>
<td>Blueprint Reading</td>
<td>1-3 credits</td>
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</table>

Notes

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.

Colleges are encouraged, not required, to offer the following supplementary credentials: Kansas WORKReady! Certificate-Silver Level and SENSE Level 1 exam (AWS).

Competencies identified within the 10-12 credit hours of common courses represent opportunities for articulation with K-12.