Occupational Endorsement Certificate in Welding

This Occupational Endorsement Certificate (OEC) provides the foundational skills required for entry into the welding industry. Courses focus on SMAW, GMAW, GTAW and FCAW in all positions. The courses are aligned with standards established by the American Welding Society (AWS) and American the American Society for Mechanical Engineers (ASME). Additionally, each course is embedded within the AAS degree option, so students can transfer each of these classes toward the Associates of Applied Science in Welding and Nondestructive Testing Technology.

Admission Requirements

Satisfy the Application and Admission Requirements for Occupational Endorsement Certificate Programs (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate).

Graduation Requirements

• Satisfy the General University Requirements for Occupational Endorsement Certificates (http://catalog.uaa.alaska.edu/undergraduateprograms/oecrequirements).
• Students must pass at least one industry-recognized welder certification.
• Complete the Program Requirements below.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD A112</td>
<td>Shielded Metal Arc Welding (SMAW)</td>
<td>4</td>
</tr>
<tr>
<td>WELD A157</td>
<td>Technical Drawings for Welders</td>
<td>3</td>
</tr>
<tr>
<td>WELD A161</td>
<td>Gas Metal Arc Welding (GMAW)</td>
<td>4</td>
</tr>
<tr>
<td>WELD A162</td>
<td>Flux Cored Arc Welding (FCAW)</td>
<td>4</td>
</tr>
<tr>
<td>WELD A174</td>
<td>Gas Tungsten Arc Welding (GTAW)</td>
<td>4</td>
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</tbody>
</table>

Total Credits 19

Graduates of the Kenai Peninsula College Undergraduate Certificate in Welding Technology (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/weldingandnondestructivetestingtechnology/certificate-weldingtechnology) may complete this OEC by successfully completing WELD A161 and WELD A162.

Program Student Learning Outcomes

Upon completion of this OEC, students will demonstrate:

• Demonstrate hazard assessment and best safety practices
• Demonstrate entry-level technical skills in welding
• Demonstrate introductory knowledge of the interrelationship between metallurgy and welding
• Demonstrate effective oral and written communication
• Demonstrate application of mathematical formulas as applied in the welding field

A total of 19 credits is required for the OEC.