 Program Description
The welding program at the Blong Technology Center (BTC) provides options in certificate, diploma, or degree programs in a range of industrial welding techniques: ARC, MIG, TIG, core wire, gas. Certificate programs are offered in production welding, basic welding, and structural welding. The welding lab is equipped to provide each student with hands-on learning opportunities, with instructors present and available for guidance. Courses are offered in an eight-week format with flexible schedule of attendance during the day or evening.

Award Options
Associate in Applied Science
Diploma
Certificate
  - Basic Welding
  - General Maintenance Welding
  - Production Welding
  - Structural Welding

Job Outlook
Job prospects for welders will vary with the welder’s skill level. Prospects should be good for welders trained in the latest technologies. Median annual wages of welders, cutters, solderers, and brazers were $36,300 in May 2014. The lowest 10 percent earned less than $23,940, and the top 10 percent earned more than $53,690.

For details, please visit this link http://www.bls.gov/oco/
### Welding

#### A.A.S. Degree

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Session I</strong></td>
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<tr>
<td>MAT:733</td>
<td>Math for Technologies A</td>
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<tr>
<td>MFG:186</td>
<td>Plant Safety</td>
</tr>
<tr>
<td>WEL:123</td>
<td>Welding Symbols</td>
</tr>
<tr>
<td>WEL:274</td>
<td>Shielded Metal Arc Welding I</td>
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<tr>
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<td>Math for Technologies B</td>
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**A.A.S. Total...** | **62.00** |
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FAX (563) 244-7107

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HUMANITIES & SOCIAL SCIENCE ELECTIVES
ANT:105 Cultural Anthropology 3.00
CLS:150 Latin American History and Culture 3.00
ECN:120 Principles of Macroeconomics 3.00
ECN:130 Principles of Microeconomics 3.00
FLS:141 Elementary Spanish I 4.00
GEO:121 World Regional Geography 3.00
GLS:100 Contemporary World Issues 3.00
HIS:117 Western Civilization I: Ancient and Medieval 3.00
HIS:118 Western Civilization II: Early Modern 3.00
HIS:119 Western Civilization III: The Modern Period 3.00
HIS:151 U.S. History to 1877 3.00
HIS:152 U.S. History Since 1877 3.00
HIS:211 Modern Asian History 3.00
HIS:231 Contemporary World Affairs 3.00
HUM:105 Working in America 3.00
HUM:110 Changes and Choices 3.00
HUM:183 Living with Space, Time and Technology 3.00
POL:111 American National Government 3.00
PSY:111 Intro to Psychology 3.00
SOC:110 Intro to Sociology 3.00

TECHNICAL ELECTIVES
CAD:286 SolidWorks – Modeling 3.00
CAD:287 SolidWorks – Applications 3.00
DRF:131 Basic Drafting & Design 1 3.00
DRF:132 Basic Drafting & Design 2 3.00
ELE:216 DC Circuit Analysis 3.00
ELE:217 AC Circuit Analysis 3.00
MGF:105 Machine Shop Measuring 3.00
MGF:111 Machinery’s Handbook 1.00
MGF:112 Drills & Saws 2.00
MGF:116 Carbide Tooling 1.00
MGF:190 Metallurgy 2.00

Diploma
TERM 1
Session I
MAT:733 Math for Technologies A 1.50
MGF:186 Plant Safety 1.00
WEL:123 Welding Symbols 1.00
WEL:274 Shielded Metal Arc Welding I 3.00
Session II
MAT:734 Math for Technologies B 1.50
MGF:192 Blueprint Reading 3.00
WEL:275 Shielded Metal Arc Welding II 3.00

Credits 14.00
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### Session II

<table>
<thead>
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<tr>
<td>CSC:113</td>
<td>Computer Fundamentals for Technicians I/B</td>
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<td>MAT:734</td>
<td>Math for Technologies B</td>
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<td>3.00</td>
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<td>WEL:129</td>
<td>Gas Metal Arc Welding - Basic OR</td>
<td>4.25</td>
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<td>Gas Metal Arc Welding</td>
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**TERM 2**

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<td>ELE:115</td>
<td>Basic Electricity I</td>
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<td>WEL:136</td>
<td>Oxy–Acetylene Welding and Cutting</td>
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<td>WEL:259</td>
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**Certificate Total**............................................................................................................................ 20.00

### Production Welding Certificate

#### TERM 1

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<td>MFG:186</td>
<td>Plant Safety</td>
<td>1.00</td>
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<td>WEL:123</td>
<td>Welding Symbols</td>
<td>1.00</td>
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<td>WEL:256</td>
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<td>WEL:416</td>
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**TERM 2**

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<td>WEL:259</td>
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**Certificate Total**............................................................................................................................ 8.25

### Structural Welding Certificate

#### TERM 1

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**Certificate Total**............................................................................................................................ 14.00

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Gainful employment information for the Welding program is located at www.eicc.edu/gainfulemployment

TERM 2
Session I
WEL:215 Shielded Metal Arc Welding Advanced I 5.00
WEL:257 Flux Core Arc Welding 2.50

Session II
WEL:258 Shielded Metal Arc Welding Advanced II 5.00

Certificate Total................................................................. 26.50

1/17