

## WELDING

### 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 - Welding

Diploma - Welding

Certificate - Basic Welding, Production Welding, and 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 wages of welders, cutters, solderers, and brazers were \$16.13 an hour in May 2010. The middle 50 percent earned between \$13.20 and \$19.61. The lowest 10 percent earned less than \$10.85, and the top 10 percent earned more than \$24.38.

For details, please visit this link <http://www.bls.gov/oco/>



### BLONG TECHNOLOGY CENTER

#### Welding Instructor

**Denny Schnoor**

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FAX (563) 441-4374

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[www.eicc.edu/  
manufacturingcareers](http://www.eicc.edu/manufacturingcareers)

[www.eicc.edu](http://www.eicc.edu)  
**1888-336-3907**  
Toll-free

#### Our Web Links:

[www.eicc.edu/apply](http://www.eicc.edu/apply)

[www.eicc.edu/visit](http://www.eicc.edu/visit)

[www.eicc.edu/programs](http://www.eicc.edu/programs)

[www.eicc.edu/daretocompare](http://www.eicc.edu/daretocompare)

[www.eicc.edu/financialaid](http://www.eicc.edu/financialaid)

[www.eicc.edu/catalog](http://www.eicc.edu/catalog)

*Tuition and fees subject to change  
by the EICCD Board of Trustees.*



**FUEL**  
your mind.

CLINTON ♦ MUSCATINE ♦ SCOTT  
COMMUNITY COLLEGES  
EASTERN IOWA COMMUNITY COLLEGE DISTRICT

Since the colleges of EICCD are continually reviewing programs, information in the course catalog may change. Please visit [www.eicc.edu/catalog](http://www.eicc.edu/catalog) for any program updates which have occurred since the most recent edition of the catalog.

# WELDING

## Clinton Community College

1000 Lincoln Boulevard,  
Clinton, IA 52732  
(563) 244-7001  
1-800-638-0559  
www.facebook.com/  
clintoncommunitycollegeia

### Admissions Officer

Heather Mohler  
hmohler@eicc.edu  
(563) 244-7007  
FAX (563) 244-7107

## Muscatine Community College

152 Colorado Street,  
Muscatine, IA 52761  
(563) 288-6001  
1-800-351-4669  
www.facebook.com/  
muscatinecommunitycollegeia

### Admissions Officer

Katie Watson  
klwatson@eicc.edu  
(563) 288-6012  
FAX (563)288-6014

## Scott Community College

500 Belmont Road,  
Bettendorf, IA 52722  
(563) 441-4001  
1-800-895-0811  
www.facebook.com/  
scottcommunitycollegeia

### Admissions Officer

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[www.eicc.edu](http://www.eicc.edu)

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*Program requirements subject to change. Please check with your advisor.*

## A.A.S. Degree

### SESSION I

MAT:733	Math for Manufacturing Technologies A	1.5
MFG:186	Plant Safety	1
WEL:126	Shielded Metal Arc Welding - Basic	4.75
		<b>7.25</b>

### SESSION II

MAT:734	Math for Manufacturing Technologies B	1.5
MFG:192	Blueprint Reading	3
WEL:129	Gas Metal Arc Welding - Basic	4.25
		<b>8.75</b>

### SESSION III

CSC:112	Computer Fundamentals for Technicians A	2
WEL:136	Oxy-Acetylene Welding and Cutting	4.25
		<b>6.25</b>

### SESSION IV

CSC:113	Computer Fundamentals for Technicians B	2
WEL:132	Flux Core Arc Welding	2.25
WEL:133	Gas Tungsten Arc Welding	2.5
		<b>6.75</b>

### SESSION V

EGT:116	Continuous Quality Management	3
WEL:215	Shielded Metal Arc Welding Advanced I	5
		8

### SESSION VI

ENG:107	Composition I: Technical Writing	3
WEL:216	Shielded Metal Arc Welding Advanced II	4.5
WEL:217	Gas Metal Arc Welding Advanced	1.25
		<b>8.75</b>

### SESSION VII

ENG:107	Composition I: Technical Writing	3
WEL:219	Layout & Fabrication	4.25
	Technical/Career Education Elective*	7.25

### SESSION VIII

	Cultural/Historical Perspectives Gen. Ed.	3
	Social Science Gen. Ed.	3
	Technical/Career Education Elective*	4
		<b>10</b>

### SESSION IX

	Cultural/Historical Perspectives Gen. Ed. OR	
	Social Science Gen. Ed. OR	
	Technical/Career Education Elective*	3
		<b>3</b>

### A.A.S. TOTAL

**66\*\***

\*These numbers may vary depending on the Technical/Career Education electives selected. The total minimum credits required for Technical/Career Education electives is 11.25.

\*\*Total number of credit hours may vary depending on Technical/Career Education electives selected. The total minimum credits required for an A.A.S. is 66.

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## Welding Diploma

### SESSION I

MAT:733	Math for Manufacturing Technologies A	1.5
MFG:186	Plant Safety	1
WEL:126	Shielded Metal Arc Welding - Basic	4.75
		<b>7.25</b>

### SESSION II

MAT:734	Math for Manufacturing Technologies B	1.5
MFG:190	Metallurgy	2
MFG:192	Blueprint Reading	3
WEL:129	Gas Metal Arc Welding - Basic	4.25
		<b>10.75</b>

### SESSION III

ENG:107	Composition I: Technical Writing	3
WEL:132	Flux Core Arc Welding	2.25
WEL:215	Shielded Metal Arc Welding - Advanced I	5
WEL:217	Gas Metal Arc Welding - Advanced	1.25
		<b>11.5</b>

### SESSION IV

EGT:116	Continuous Quality Management	3
WEL:133	Gas Tungsten Arc Welding	2.5
WEL:136	Oxy-Acetylene Welding and Cutting	4.25
WEL:216	Shielded Metal Arc Welding - Advanced II	4.5
WEL:219	Layout and Fabrication	3
		<b>17.25</b>

**DIPLOMA TOTAL 46.75**

## Basic Welding Certificate - SCC

### SESSION I

MFG:186	Plant Safety	1
MFG:192	Blueprint Reading	3
WEL:126	Shielded Metal Arc Welding - Basic	4.75
		<b>8.75</b>

### SESSION II

WEL:129	Gas Metal Arc Welding - Basic	4.25
WEL:136	Oxy-Acetylene Welding and Cutting	4.25
		<b>8.5</b>

### SESSION III

WEL:132	Flux Core Arc Welding	2.25
WEL:133	Gas Tungsten Arc Welding	2.5
		<b>4.75</b>

**CERTIFICATE TOTAL 22**

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## Production Welding Certificate - CCC & SCC

### SESSION I

MAT:733	Math for Manufacturing Technologies A	1.5
MFG:186	Plant Safety	1
MFG:190	Metallurgy	2
WEL:129	Gas Metal Arc Welding - Basic	4.25
		<b>8.75</b>

### SESSION II

MAT:734	Math for Manufacturing Technologies B	1.5
MFG:192	Blueprint Reading	3
WEL:127	Shielded Metal Arc Welding - Modules	1.25
WEL:137	Oxy-Acetylene Welding - Modules	.5
		<b>6.25</b>

### SESSION III

WEL:132	Flux Core Arc Welding	2.25
WEL:217	Gas Metal Arc Welding - Advanced	1.25
		<b>3.5</b>

### CERTIFICATE TOTAL

**18.5**

## Structural Welding Certificate - SCC

### SESSION I

MAT:733	Math for Manufacturing Technologies A	1.5
MFG:186	Plant Safety	1
WEL:126	Shielded Metal Arc Welding - Basic	4.75
		<b>7.25</b>

### SESSION II

MAT:734	Math for Manufacturing Technologies B	1.5
MFG:190	Metallurgy	2
MFG:192	Blueprint Reading	3
WEL:137	Oxy-Acetylene Welding - Modules	.5
		<b>7</b>

### SESSION III

WEL:132	Flux Core Welding	2.25
WEL:215	Shielded Metal Arc Welding - Advanced I	5
WEL:216	Shielded Metal Arc Welding - Advanced II	4.5
		<b>11.75</b>

### CERTIFICATE TOTAL

**26**

## General Maintenance Welding Certificate - SCC

### SESSION I

CSC:112	Computer Fundamentals for Technicians A	1.5
ELE:101	Industrial Safety	1
MAT:733	Math for Manufacturing Technologies A	1.5
WEL:126	Shielded Metal Arc Welding - Basic	4.75
		<b>8.75</b>

### SESSION II

CSC:113	Computer Fundamentals for Technicians B	1.5
MAT:734	Math for Manufacturing Technologies B	1.5
MFG:192	Blueprint Reading	3
WEL:129	Gas Metal Arc Welding - Basic	4.25
		<b>10.25</b>

### SESSION III

EGT:133	Hydraulics/Pneumatics I	2
ELE:115	Basic Electricity I	2
WEL:136	Oxy-Acetylene Welding and Cutting	4.25
		<b>8.25</b>

### CERTIFICATE TOTAL

**27.25**