



# EAST CENTRAL COLLEGE WELDING

ASSOCIATE OF APPLIED SCIENCE DEGREE AND CERTIFICATES

## **East Central College**

1964 Prairie Dell Road  
Union, Missouri 63084  
636-584-6500  
[www.eastcentral.edu](http://www.eastcentral.edu)

## **Admissions Office**

ECC Campus  
636-584-6563  
[admissions@eastcentral.edu](mailto:admissions@eastcentral.edu)

## **Program Contact**

Student Services Call Center  
636-584-6563  
[admissions@eastcentral.edu](mailto:admissions@eastcentral.edu)

## **Program Location**

Four Rivers Career Center  
1978 Image Drive  
Washington, Missouri 63090  
636-239-0598

## **Program Faculty**

Chester Livell  
636-239-0598  
[Chester.Livell@washington.k12.mo.us](mailto:Chester.Livell@washington.k12.mo.us)

East Central College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools  
30 N. LaSalle St., Suite 2400  
Chicago, Illinois 60602-2504  
800-621-7440

## THE CAREER

Welding is the most common way of permanently joining metal parts. In this process, heat is applied to metal pieces, melting and fusing them to form a permanent bond.

Because of its strength, welding is used in shipbuilding, automobile manufacturing and repair, aerospace applications and thousands of other manufacturing activities. Welding is also used to join beams when constructing buildings, bridges and other structures, and to join pipes in pipelines, power plants and refineries.

## PROFESSIONAL TRAITS

Those pursuing a career in this field should:

- Have good eyesight, hand-eye coordination, and manual dexterity
- Be able to concentrate on detailed work for long periods of time
- Have the ability to bend, stoop and work in awkward positions

## EMPLOYMENT AND SALARY INFORMATION

The welding profession is experiencing about average growth, per the U.S. Bureau of Labor Statistics. By 2022, the number of positions is expected to increase by six percent.

Median annual earnings for welders were \$36,300 in May 2012. Their salaries ranged from less than \$24,720 (lowest 10 percent) to over \$56,130 (top 10 percent). The difference in earnings reflects the wide span of skill levels in this profession.

These industries employed the highest number of welders in 2012:

- Manufacturing
- Construction
- Wholesale Trade
- Repair and Maintenance

## THE PROGRAM

East Central College's welding program offers innovative instruction and individualized guidance for both the beginner and professional welder. It is held at the ECC Washington site in partnership with Four Rivers Career Center.

An enhanced learning environment is generated by mixing classroom instruction with the latest technical welding processes in the lab. This program prepares students to enter the workforce as welding technicians. Those currently in high school can choose to articulate coursework to the AAS degree program and continue with the general education block of coursework at ECC.

## ADMISSIONS REQUIREMENTS

Students must have completed:

- ✓ High school diploma or the equivalent (documentation must be sent to the registration office)
- ✓ Application for admission
- ✓ A placement test as specified by the college (please note: some coursework requires minimum placement results)

## TRANSFER OPTIONS

The AAS degree is designed for students seeking employment immediately upon graduation. However, many of the credits, particularly the general education electives received with this degree, may qualify as transfer credit at four-year schools.

These decisions are made solely by the bachelor degree-granting institution, not ECC. Students seeking to transfer are advised to contact the institution of their choice before beginning a program or reviewing other degrees and coursework offered through East Central College.

■ **ROLLA**  
573-466-4100

■ **SULLIVAN**  
573-468-8287

■ **UNION**  
636-584-6588

■ **WASHINGTON**  
636-239-0598

[WWW.EASTCENTRAL.EDU](http://WWW.EASTCENTRAL.EDU)

### PROGRAM OF STUDY

This program of study is for a full-time student; part-time study is also available. Please contact an academic advisor for full course options. For the most current academic schedule (which is subject to change), visit the college Web site at [www.eastcentral.edu](http://www.eastcentral.edu)

A- Course that is also part of the Certificate of Achievement program

S- Course that is also part of the Certificate of Specialization program

### YEAR 1

#### FALL SEMESTER

COURSE	HOURS
FS 1000 Campus Orientation/ FS 1001 Foundation Seminar	1
WL 1011 Welding I Lecture <sup>A, S</sup> and WL 1014 Welding I Lab <sup>A, S</sup>	5
WL 1021 Welding II Lecture <sup>A, S</sup> and WL 1024 Welding II Lab <sup>A, S</sup>	5
MA 1013 Print Reading & Design	3
EN 1223 English Comp I or EN 1233 Honors English Comp I	3
<b>Total Hours</b>	<b>17</b>

#### SPRING SEMESTER

COURSE	HOURS
WL 1031 Welding III Lecture <sup>A, S</sup> and WL 1034 Welding III Lab <sup>A, S</sup>	5
WL 1041 Welding IV Lecture <sup>A, S</sup> and WL 1044 Welding IV Lab <sup>A, S</sup>	5
EN 1333 English Comp II, EN 1343 Honors English Comp II or EN 1403 Technical Writing	3
Humanities Requirement	3
<b>Total Hours</b>	<b>16</b>

### YEAR 2

#### FALL SEMESTER

COURSE	HOURS
WL 2011 Welding V <sup>A</sup> Lecture and WL 2014 Welding V Lab <sup>A</sup>	5
WL 1053 Welding VI <sup>A</sup> (Blueprint Reading)	3
MT 1083 Applied Algebra & Trigonometry or MT 1303 Intermediate Algebra	3
HI 1000/ PS 1000 Constitutions Study Module	0
History or Political Science Requirement	3
Science Requirement	3
<b>Total Hours</b>	<b>17</b>

#### SPRING SEMESTER

COURSE	HOURS
WL 2021 Welding VII Lecture <sup>A</sup> and WL 2024 Welding VII Lab <sup>A</sup>	5
WL 2031 Welding VIII <sup>A</sup>	1
BU 2881 Business & Industry Capstone <sup>A, S</sup>	1
PE Requirement	1
Program Elective	3
Program Elective	3
<b>Total Hours</b>	<b>14</b>