



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

Admissions Office

ECC Campus
636-584-6563
admissions@eastcentral.edu

Program Contact

Student Services Call Center
636-584-6563
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

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

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

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 ^{A, S} and	
WL 1014	Welding I Lab ^{A, S}	5
WL 1021	Welding II Lecture ^{A, S} and	
WL 1024	Welding II Lab ^{A, S}	5
MA 1013	Print Reading & Design	3
EN 1223	English Comp I or	
EN 1233	Honors English Comp I	3
Total Hours		17

SPRING SEMESTER

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

YEAR 2

FALL SEMESTER

COURSE		HOURS
WL 2011	Welding V ^A Lecture and	
WL 2014	Welding V Lab ^A	5
WL 1053	Welding VI ^A (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
Total Hours		17

SPRING SEMESTER

COURSE		HOURS
WL 2021	Welding VII Lecture ^A and	
WL 2024	Welding VII Lab ^A	5
WL 2031	Welding VIII ^A	1
BU 2881	Business & Industry Capstone ^{A, S}	1
	PE Requirement	1
	Program Elective	3
	Program Elective	3
Total Hours		14