

East Central College

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Four Rivers Career Center

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Admissions Office

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Program Contacts

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East Central College is accredited by the Higher Learning Commission and a participant in the Academic Quality Improvement Program (AQIP)

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Chicago, Illinois 60602-2504

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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 & 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.

Assuming student has appropriate placement scores, full-time students can expect to complete the certificate of achievement in 24 months and certificate of specialization in 12 months.

ADMISSIONS REQUIREMENTS

Students must have completed:

- ✓ High school diploma or the equivalent (documentation sent to the registration office)
- ✓ Application for admission
- ✓ A placement test as specified by the college (some courses require minimum placement results)

ADDITIONAL PROGRAM INFORMATION

Standard Occupational Classification (SOC)

51-4122.00, 51-4121.06

Job Placement Rate

100 percent

Tuition and Required Fees

Achievement: \$3,465 (In-District);
\$4,690 (Out-of-District)

Specialization: \$2,079 (In-District);
\$2,814 (Out-of-District)

Books and Supplies

Achievement: \$140
Specialization \$80

WELDING

CERTIFICATE OF ACHIEVEMENT & SPECIALIZATION

CERTIFICATE OF ACHIEVEMENT COURSEWORK

COURSE	HOURS
WL 1011 Welding I Lecture/ WL 1014 Welding I Lab	5
WL 1021 Welding II Lecture/ WL 1024 Welding II Lab	5
WL 1031 Welding III Lecture/ WL 1034 Welding III Lab	5
WL 1041 Welding IV Lecture/ WL 1044 Welding IV Lab	5
WL 2011 Welding V Lecture/ WL 2014 Welding V Lab	5
WL 1053 Welding VI (Blueprint Reading)	3
WL 2021 Welding VII Lecture/ WL 2024 Welding VII Lab	5
WL 2031 Welding VIII	1
BU 2881 Business and Industry Capstone	3
Total Hours	35

TO CONVERT THIS CERTIFICATE OF ACHIEVEMENT INTO AN ASSOCIATE OF APPLIED SCIENCE DEGREE, STUDENTS WILL NEED THE FOLLOWING:

COURSE	HOURS
FS 1000 Campus Orientation or FS 1001 Foundation Seminar	1
EN 1223 English Comp I or EN 1233 Honors English Comp I	3
EN 1403 Technical Writing	3
MT 1083 Applied Algebra and Trigonometry or MT 1303 Intermediate Algebra	3
MA 1013 Print Reading and Design	3
HI 1000/ PS 1000 Constitutions Study Module	0
History or Political Science Requirement	3
Science Requirement	3
Program Elective	3
Program Elective	2-3
Ethics and Social Responsibility Elective (ESR)	3
Total Credit Hours	27-28

CERTIFICATE OF SPECIALIZATION COURSEWORK

COURSE	HOURS
WL 1011 Welding I Lecture/ WL 1014 Welding I Lab	5
WL 1021 Welding II Lecture/ WL 1024 Welding II Lab	5
WL 1031 Welding III Lecture/ WL 1034 Welding III Lab	5
WL 1041 Welding IV Lecture/ WL 1044 Welding IV Lab	5
BU 2881 Business and Industry Capstone	1
Total Hours	21

TO CONVERT THIS CERTIFICATE OF SPECIALIZATION INTO AN ASSOCIATE OF APPLIED SCIENCE DEGREE, STUDENTS WILL NEED THE FOLLOWING:

COURSE	HOURS
FS 1000 Campus Orientation or FS 1001 Foundation Seminar	1
EN 1223 English Comp I or EN 1233 Honors English Comp I	3
EN 1403 Technical Writing	3
MT 1083 Applied Algebra and Trigonometry or MT 1303 Intermediate Algebra	3
WL 2011 Welding V Lecture/ WL 2014 Welding V Lab	5
WL 1053 Welding VI (Blueprint Reading)	3
WL 2021 Welding VII Lecture/ WL 2024 Welding VII Lab	5
WL 2031 Welding VIII	1
MA 1013 Print Reading and Design	3
HI 1000/ PS 1000 Constitutions Study Module	0
History or Political Science Requirement	3
Science Requirement	3
Program Elective	3
Program Elective	2-3
Ethics and Social Responsibility Elective (ESR)	3
Total Credit Hours	41-42