

WELDING TECHNOLOGY

Welding occupations are primarily concerned with joining, surfacing, fabricating, or repairing structures or parts made of metal or other weldable materials. Through course work and practical experience, students learn to determine the appropriate welding technique required for a specific project and to successfully perform that technique.

COOPERATIVE WORK EXPERIENCE

The Cooperative Education Program alternates in-school instruction with on-the-job work experience. Students can earn a wage while receiving school credit, and they gain the “experience” needed when applying for that first job.

EMPLOYMENT OPPORTUNITIES

Welding is a vital part of manufacturing, metal fabrication, construction, and general repair trades. Although employment can be found in all communities, the best opportunities are in the industrial areas utilizing large numbers of welders.

Graduates employed by large industries generally specialize by metal types and techniques. Those employed by small, independent repair businesses do all types of welding and use various techniques. Many students go into business for themselves.



FOR MORE INFORMATION:



ASHLAND.KCTCS.EDU

CLICK >> EDUCATION & TRAINING
>> FIND YOUR PROGRAM



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(606) 326-2486 OR (606) 326-2053



TECHNOLOGY DRIVE CAMPUS

902 TECHNOLOGY DRIVE, GRAYSON, KY 41143



GAINFUL EMPLOYMENT INFORMATION

For more information about graduation rates, the median debt of students who completed the program, and other important data on this program, visit ACTC's website at Ashland.KCTCS.edu/Education-Training/Program-Finder/Gainful-Employment-Disclosures.aspx

COLLEGE ACCREDITATION

Ashland Community and Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Ashland Community and Technical College. Note: The Commission is to be contacted only if there is evidence that appears to support an institution's significant non-compliance with a requirement or standard.

ACTC IS AN EQUAL EDUCATIONAL AND EMPLOYMENT OPPORTUNITY INSTITUTION.

JULY 2018

WELDING TECHNOLOGY



ASSOCIATE DEGREE, DIPLOMA & CERTIFICATE PROGRAMS

Technology Drive Campus



CREDENTIAL OPTIONS

ACTC offers a diploma and eight certificates to prepare graduates for welding occupations. Certificate and diploma credits may be applied toward an Associate in Applied Science degree in General Occupational/Technical Studies. See a program advisor for degree information.

DIPLOMA PROGRAM

COMBINATION WELDER

Required General Education		Credit Hours
ENG 101	Writing I	3
MAT 110	Applied Mathematics OR Higher General Education	3
General Education Total Credits		6

Required Technical

	Digital Literacy	0-3
WLD 100	Oxy-Fuel Systems OR	2
WLD 110	Cutting Processes	(2)
WLD 101	Oxy-Fuel Systems Lab OR	2
WLD 111	Cutting Processes Lab	(3)
WLD 120	Shielded Metal Arc Welding (SMAW)	2
WLD 121	SMAW Fillet Lab	3
WLD 123	SMAW Groove Welds w/Backing Lab OR	3
WLD 225	SMAW Open Groove Lab	(3)
WLD 130	Gas Tungsten Arc Welding (GTAW)	2
WLD 131	Gas Tungsten Arc Welding Fillet Lab	3
WLD 133	Gas Tungsten Arc Welding Groove Lab	3
WLD 140	Gas Metal Arc Welding (GMAW)	2
WLD 141	Gas Metal Arc Welding Fillet Lab	3
WLD 143	Gas Metal Arc Welding Groove Lab	3
WLD 170	Blueprint Reading for Welding	2
WLD 171	Blueprint Reading for Welding Lab	3
WLD 220	Welding Certification	2
WLD 221	Welding Certification Lab	3
WLD 298	Welding Practicum OR	1-4
WLD 299	Cooperative Work Experience	(1-4)
	Technical Elective	3
	Subtotal	42-46
	Total Credits	48-55

Technical Electives*

WLD 151, 161, 181, 191, 147, 145, 251, 253, 229, 240; WPP 200

*This list is not all inclusive. Other courses may be approved at the discretion of the program coordinator.

CERTIFICATE PROGRAMS

See the ACTC Catalog or an advisor for course information.

NOTE: Curriculum may change to meet new workplace requirements. Check with an advisor before registering.

WELDER HELPER

Required: WLD 151 OR 120,121 OR 130,131,140, and 141 OR 152
Total Credits 2-5

GAS WELDER

Required: WLD 100 and 101
Total Credits 4

ARC CUTTER

Required: WLD 110 and 111
Total Credits 5

TACK WELDER

Required: WLD 170, 171, 151 OR 120, 121 OR 130, 131 OR 140, 141 OR 152
Total Credits 7-10

PRODUCTION LINE WELDER

Required: WLD 130, 131, 140, 141, 100 and 101 OR 110, 111 and 120, 121
Total Credits 19-20

ARC WELDER

Required: WLD 100 OR 110, 101, 111, 120; 121 OR 123 OR 225; 130,131 OR 133, 140, 141 OR 143, 170, 171
Total Credits 24-25

PIPELINE WELDER

Required: WLD 100 OR 110, 101 OR 111, 120, 130, 140, 170, 171, 220, 221, 227, 235, 245, electives 229, 237, 247, 253, 123 OR 225 OR 121
Total Credits 29-40

AWS NATIONAL SKILLS STANDARDS LEVEL I

Required: WLD 100 OR 110, 101 and 111, 120, 121; 123 OR 225, 130, 131, 133, 140, 141, 143, 170, 171
Total Credits 33-34

WELDING TECHNOLOGY Application Checklist

1 Submit an Application for Admission, online, at Ashland.KCTCS.edu.

Submit to the Admissions Office:

- 2**
- An official high school transcript, with graduation date, or GED scores
 - Official transcripts from other colleges or universities you have attended, including those for dual credit courses
 - Placement test scores (ACT, KYOTE) or complete placement testing

3 Attend orientation and meet with an advisor to schedule classes.

Financial Aid is available for those who qualify.

- 4**
- Please fill out a FAFSA at www.FAFSA.ed.gov.
 - Please speak with a financial aid specialist to receive counseling, if appropriate.

5 Pay tuition and fees before published cancellation deadlines. More information regarding tuition rates can be found on our website at:

Ashland.KCTCS.edu/Affording-College/index.aspx

