

Short-Term Welding Certificates

Tri-C now offers three short-term, stackable certificates providing basic and advanced training in MIG, TIG, Stick, Robotic and OxyFuel welding:

- Short-Term Certificate in Introductory Welding (S493)
- Short-Term Certificate in Welding Technology (S494)
- One-Year Certificate of Proficiency in Industrial Welding (S492)



Highlights

- Students can test for multiple national welding certifications in accordance with AWS standards (2F - 4G)
- New welding lab with high-tech equipment from Lincoln Electric
- Financial aid available for those who qualify
- Job placement assistance available
- Average entry-level salary: \$12-15 per hour (source: Ohio Means Jobs)

Program prerequisites:

- High school diploma or GED
- ACCUPLACER assessments for English and math

For more information:

Frank Malley, 216-987-4968 or frank.malley@tri-c.edu

Integrated Systems Engineering Technology (ISET)

Short-Term Certificate in Introductory Welding

Program requirements	Credits
ISET-1100 Welding Blue Print Reading	2
ISET-2100 Gas Metal Arc Welding (MIG)	4
ISET-2110 Gas Tungsten Arc Welding (TIG)	4
ISET-2120 Shielded Metal Arc Welding (STICK)	4
ISET-2130 OxyFuel Gas Welding	4

Core program total: 18 credit hours

Upon completion of both short-term certificates, participants will receive a one-year certificate of proficiency in Industrial Welding.

Short-Term Certificate in Welding Technology

Program requirements	Credits
HLTH-1230 Standard First Aid and Personal Safety	1
ISET-2130 OxyFuel Gas Welding	4
ISET-2140 Non-Destructive Testing	3
ISET-2150 Robotic Welding	3
ISET-2160 Structural Fabrication	4
MET-1300 Engineering Materials and Metallurgy	3
SPCH-1000 Fundamentals of Interpersonal Communication	3

Core program total: 21 credit hours

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tri-c.edu/welding



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Integrated Systems Engineering Technology Pathways (Welding)

				Short Term Cert. - Intro Welding	Short Term Cert. - Welding Tech.	Cert. of Prof. in Welding	AAS in ISET
Course Title	Credits	Pre-Requisites	Semester Completed				
Technical Courses							
ISET-1100	Welding Blue Print Reading	2	MATH-0910 or elig for 0955		*	*	*
ISET-1300	Mechanical/Electrical Print Reading	2					*
ISET-1310	Mechanical Power Transmission	2					*
ISET-1340	Industrial Piping and Tubing	2	ISET-1300				*
ISET-1410	Applied Electricity I	3	MATH-1240 or concurrent				*
ISET-1420	Applied Electricity II	3	ISET-1410				*
ISET-2100	Gas Metal Arc Welding (MIG)	4	ISET-1100 or dept. approval		*	*	*
ISET-2110	Gas Tungsten Arc Welding (TIG)	4	ISET-1100 or dept. approval		*	*	*
ISET-2120	Shielded Metal Arc Welding (STICK)	4	ISET-1100 or dept. approval		*	*	*
ISET-2130	OxyFuel Gas Welding	4	ISET-1100 or dept. approval		*	*	*
ISET-2140	Non-Destructive Testing	3			*	*	
ISET-2150	Robotic Welding	3	ISET-2100		*	*	
ISET-2160	Structural Fabrication	4	ISET-1100, 2100		*	*	
ISET-2200	Industrial Motor Controls	3	ISET-1420 or dept. approval				*
ISET-2210	Commercial Wiring	3	ISET-2240 or dept. approval				*
ISET-2220	Fundamentals of Electronics and Instrumentation	3	ISET 1420, 2200, or dept. approval				*
ISET-2240	Applied National Electric Code	3	ISET-1420				*
ISET-2500	Programmable Logic Controllers Maintenance I	3	ISET-2200 or dept. approval				*
ISET-2990	Reliability Centered Maintenance	3	ISET 1450, 2500, 2210, or dept. approval				*
MET-1300	Engineering Materials and Metallurgy	3	MATH-0955 or elig for 0965		*	*	
Non-Technical Courses							
BADM-1050	Professional Success Strategy	3					*
ENG-1010	College Composition I	3	ENG placement test				*
ENG-2151	Technical Writing	3	ENG-1010 or dept. approval				*
HLTH-1230	Standard First Aid and Personal Safety	1			*	*	
IT-1010	Introduction to Microcomputer Applications	3					*
MATH-1240	Contemporary Mathematics or higher	3	MATH-0955 or placement				*
PSY-1050	Introduction to Industrial/Organizational Psychology	3					*
SPCH-1000	Fundamentals of Interpersonal Communication	3			*	*	*
COMPLETION	TOTAL HOURS						

Please note: Course and program information subject to change.
Visit the website (www.tri-c.edu/welding) for the most up-to-date information.

Effective March 2017

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