

WELDING TECHNOLOGY (Short-Term Certificate)

Program Purpose

The Welding Technology (Short-Term Certificate) aims to provide accessible, quality educational opportunities that will provide individuals with the knowledge, technical skills, and attitudes necessary to obtain employment in the welding profession. The short-term certificate is intended to produce graduates who are prepared for employment as structural welders. Program graduates are to be competent in the technical areas of cutting processes, SMAW, GMAW and FCAW structural welding, to applicable codes.

Reid State Community College will accomplish its objectives by providing students with a comprehensive general education and technical training in the core area of Welding. The occupational skill preparation should meet the American Welding Society recognized skill standards. The college will ensure program quality through internal certification of graduate competencies through written exams and performance evaluations to applicable welding codes.

Occupational Data

Completers of the short-term certificate work in the structural iron and steel working industry where they use their skills which are grouped under the classification of welder personnel. According to the U.S. Bureau of Labor Statistics Occupational Employment and Wages, the national median wage for welder personnel was \$24.26/hr. in 2022.

Program Outcome Objectives

- Program graduates will be proficient in communication, computation, and interpersonal skills.
- Program graduates will be technically proficient.
- Program graduates will be able to obtain industry certification.
- Program graduates will be successfully employed in the field.
- Employers of program graduates will be satisfied with their education and training.

Admission Requirements

Applicants to the Welding Technology (Short-Term Certificate) must complete the application procedures. While a high school diploma, in accordance with ACCS Board of Trustees Policy or GED is the preferred entry requirement, applicants who did not receive a high school diploma or GED may be admitted provided they are 16 years of age, have been out of school for one year (or upon recommendation of the local superintendent), and they must demonstrate ability-to-benefit (ATB) on a standardized, federally approved entrance test. Applicants admitted under the ATB provision must obtain the GED prior to graduation.

Certification Requirements

Students who complete the short-term certificate may receive voluntary certification through the National Center for Construction Education and Research or through the American Welding Society. Completer competency is recognized through certificates and a listing in the National Training Registry. This nationally recognized record of training can be transferred throughout the industry and provide a means of assuring construction and maintenance industries that graduates are prepared for productive positions.

Welding Technology, Short-Term Certificate

MINIMUM CREDITS REQUIRED: 28 Semester Credit Hours

LENGTH OF PROGRAM: 2 Semesters of full-time attendance

GENERAL EDUCATION CORE: 1 Semester Credit Hour			Theory	Lab	Contact	Credit
ORT	100	Orientation	1	0	1	1
TECHNICAL CONCENTRATION: 27 Semester Credit Hours						
WDT	108	SMAW Fillet/OFC	2	1	5	3
WDT	109	SMAW Fillet/PAC/CAC	2	1	5	3
WDT	119	Gas Metal Arc/Flux Cored Arc Welding	2	1	5	3
WDT	120	Shielded Metal Arc Welding Grooves	2	1	5	3
WDT	122	SMAW Fillet/OFC/Lab	0	3	9	3
WDT	123	SMAW Fillet/PAC/CAC Lab	0	3	9	3
WDT	124	Gas Metal Arc/Flux Cored Arc Welding Lab	0	3	9	3
WDT	125	Shielded Metal Arc Welding Groove Lab	0	3	9	3
WKO	110	NCCER Core	2	1	5	3