

Program of Study (POS): Welding Technology
Classification of Instructional Program (CIP): CIP 48.0508

Topic	Information	Resources
Classroom tests	Quizzes; written safety and math tests; skills assessments	Instructor-produced materials; lecture notes, etc.
Midterm and/or final exams	Final written examinations and state-recognized skills assessments; NOCTI (grade 12 concentrators)	
Industry certification tests and costs	S/P2-Welding Safety Training (free), OSHA 10 Safety Training (free), AWS Welder Qualification/Certification (prerequisites met - \$50)	Instructor-produced resources; certification agency resources
Number of books	2: Welding Level 1, Trainee Guide, 5 th Ed., Pearson Welding Level 2, Trainee Guide, 5 th Ed., Pearson	NCCER; Pearson resources
Direct instruction (%)	10%	Theory room resources
Cooperative education	Available to those who qualify – typically 12 th graders, who have excelled in the program	Mrs. Lori Warabow, Work-based Learning Coordinator: 412.469.3200, x2542
Homework	None typically, excluding make-up work	
Task list	Program of study task list for CIP 48.0508	PDE www.education.pa.gov (search “CIP POS task lists”)
Prerequisites	Completion of grade 9; strong math and reading skills; interest in welding, metals, and metal shop	
Reading levels	End of 9 th grade	
Math levels	End of 9 th grade	
Program requirements and related costs (required and optional)	<u>Required</u> uniform (\$150+): <ul style="list-style-type: none"> • 100% cotton long-sleeve shirt • Cutting goggles • Fire rated shirt and pants <u>or</u> 12oz. denim pants • Long sleeve fire rated jacket • Safety glasses (school provided) • Welder’s cap • Welder’s gloves • Welding helmet • Work boots (steel toes not required) 	
Dual enrollment	None at this time, though may be available through respective sending high schools	Mr. Shannon Hinkle, School Counselor: 412.469.3200, x2517
Articulation agreements	Pittsburgh Technical College; Rosedale Technical Institute; Triangle Tech; CCAC	Mr. Shannon Hinkle, School Counselor: 412.469.3200, x2517
Essential aptitudes and skills	Strong math and reading skills; solid capacity to read blueprints; manual dexterity, good eyesight; good eye-hand coordination; an ability to concentrate on detailed work for long periods; an ability to handle, position, move, and lift materials in excess of 50 lbs.	
Work environment	Noisy and dusty shop with high ambient temperatures; standing for long periods of time, often in awkward positions, including bending, stooping and overhead positioning; frequent use of power equipment operation and power hand tools	Welding rules, as noted in the program syllabus: www.steelcentertech.com

*More detailed information may be provided upon acceptance to this program.