

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

Topic	Information	Resources
Classroom tests	Written safety and math tests	
Midterm and/or final exams	Final written examinations and a State assessment test; written and performance sections of the NOCTI for 12th grade students, that are eligible.	
Industry certification tests and costs	S/P2-Welding; Safety Training OSHA 10/ Safety Training AWS Welder Qualification/Certification Offered with instructor recommendation and meeting required criteria. Cost \$50.00	
Number of books	2: Welding Level 1, Trainee Guide, 5 th Edition, Pearson Welding Level 2, Trainee Guide, 5 th Edition, Pearson	NCCER
Direct instruction (%)	10% Theory 90% Performance	Theory room Shop/Lab
Cooperative education	Available to students who qualify, typically individuals in their 3rd year and in grade 12.	Mrs. Stacey Caudill, Work-Based Learning Coordinator: 412.469.3200, x2542
Homework	NONE at this time	
Task list	CIP 48.0508	PDE www.education.pa.gov (search "CIP POS task lists")
Prerequisites	Completion of grade 9	
Reading levels	End of 9 th grade level	
Math levels	End of 9th grade level	
Program requirements and related costs (required and optional)	Work boots (steel toes not required), Fire rated shirt and pants or 100% cotton pants/12oz. denim pants, long sleeve shirt-100% cotton, welders' cap. Long sleeve fire rated jacket, welders' gloves, welding helmet and cutting goggles. Safety glasses will be issued. Approximate cost: \$100.00 to \$150.00	
Dual enrollment	NONE at this time	Mr. Shannon Hinkle, Counselor: 412.469.3200, x2517
Articulation agreements	Pittsburgh Technical College, Rosedale Technical Institute Triangle Tech, Community College of Allegheny County	Mr. Shannon Hinkle, Counselor: 412.469.3200, x2517
Essential aptitudes and skills	Basic math, blueprint reading and reading skills required. Must have manual dexterity, good eyesight and good eye-hand coordination. Ability to concentrate on detailed work for long periods. Must be able to handle, position, move materials and lift up to 50 lbs.	
Work environment	Work in noisy/dusty atmospheres with high ambient temperatures. Long periods of standing. Work in awkward positions, including bending, stooping, or working overhead. Power equipment operation and power hand tools.	