

Monroe CTI Grades 9-12	Welding Technology CIP Code: 48.0508	Present Education Levels	Action/Need
Classroom Tests	Chapter quizzes and tests		
End-of-Year Assessment Test	NOCTI		
Industry Certification Tests and Costs ¹	American Welding Society Welding Certifications		
Number of Books	2		
Lecture Time	Level 1 - 1-1.5 hours a week Level 2 - 1.5-2 hours a week Level 3 - 3 hours a week Level 4 - 5 hours a week		
Co-operative Education	Students who meet all requirements including teacher recommendation, grades, attendance, and discipline record		
Homework	Level 1 - 3x a week Level 2 - 2x a week Level 3 - 3x a week Level 4 - 5 x a week		
Task List	PDE Statewide Program of Study aligned with certifications		
Prerequisites	Math, Reading and Science		
Reading Levels	9 th grade		
Math Levels	Basic Math and Algebra I		
Program Requirements and Related Costs	Steel toe, 8" high leather boots--\$50 Shop shirt--\$20 Black work pants--\$40 Leather gloves--\$10 Leather jacket--\$50 * Entry level tool kit - \$65-75		
Articulation Agreements	Statewide Articulation Agreements Northampton Community College Johnson College (Certificate) Pittsburgh Technical College Triangle Tech		
Essential APTITUDES for this lab – Recommended levels	Ability to follow safety procedures Some heavy lifting Follow detailed directions Long hours of standing Good eyesight Good physical strength		
Work Environment	Inherently dangerous at all times. Requires long periods of intense concentration. Strong physical ability necessary to handle heavy equipment and material. May be very loud, dirty, confined, and hot. May be exposed to all natures of elements and/or adverse indoor environments. NOT recommended for people with diminished eyesight or reduced lung capacity. Corrected lens wearers are acceptable, but contact lenses are never recommended.		

* Recommended