

ADVANCED WELDING (CERTIFICATE)

Manufacturing and Construction

Program website (<https://www.harpercollege.edu/academics/manufacturing/welding/advanced-welding-certificate.php>)

Program Overview

This 32 credit-hour certificate program is designed to give students advanced knowledge and skills in welding. The program of study will emphasize advanced welding theory, and practical application of the major forms of welding. Students will learn to interpret welding blueprints and develop the skills necessary to pass welder qualification tests. Students will meet AWS SENSE (School Excelling through National Skill Standards Education) training standards for certification as an AWS Level II Advanced Welder.

All WLD courses are offered in an 8-week scheduling format.

Program Requirements

Code	Title	Hours
Required		
MFT 134	Print Reading for Industry	3
MTH 100	Applied Math for Technical Careers ¹	3
WLD 110	Welding I	3
WLD 210	Welding II	3
WLD 211	Welding III	4
WLD 212	Welding IV	4
WLD 225	Advanced Blueprint Reading	2
WLD 249	Applied Welding Theory	3
WLD 253	Welding Power Sources	3
WLD 260	Arc Welder Qualification	4
or WLD 261	Mig Welder Qualification	
Total Hours		32

¹ MTH 100, MTH 101, MTH 103 or higher.

Gainful Employment

Harper College provides Gainful Employment information to comply with the U.S. Department of Education.