

WELDING TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

61 credits

The Associate of Applied Science in Welding Technology teaches students how to set up and use various types of welding equipment. Students also will learn how to weld pipe and plate in various positions: flat, horizontal, vertical, and overhead.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 61 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

(See also Welding Technology Certificate (<https://catalogs.nmsu.edu/grants/degree-certificate-programs/welding-technology/welding-technology-certificate/>))

WELD 211	Welder Qualification	6
<i>Other Course Requirements</i>		
DRFT 114 or DRFT 109	Introduction to Solid Modeling Computer Drafting Fundamentals	3
MATH 1215 or OETS 118	Intermediate Algebra Mathematics for Technicians	3
Total Credits		61

Prefix	Title	Credits
General Education		
Select one course from four of the following six content areas for a total of 13 credits. ^{1, 2}		13
This degree requires courses from Areas I, IV, V and VI; students do not need to take additional courses to complete the General Education requirements.		
Area I: Communications		
ENGL 1110G	Composition I	
Area IV: Social/Behavioral Sciences		
PSYC 1110G or SOCI 1110G	Introduction to Psychology Introduction to Sociology	
Area V: Humanities		
Select one from the following:		
HIST 1110G or HIST 1120G	United States History I United States History II	
PHIL 1115G	Introduction to Philosophy	
PHIL 2110G	Introduction to Ethics	
Area VI: Creative and Fine Arts		
Select one from the following:		
ARTH 1115G	Orientation in Art	
THEA 1110G	Introduction to Theatre	
<i>General Education Elective</i>		
ENGL 2210G	Professional and Technical Communication Honors	3
Welding Core Requirements		
WELD 100	Structural Welding I	6
WELD 110	Blueprint Reading (Welding)	3
WELD 120	Basic Metallurgy	3
WELD 125	Introduction to Pipe Welding	3
WELD 130	Introduction to GMAW MIG	3
WELD 140	Introduction to GTAW TIG	3
WELD 150	Pipe Welding II	3
WELD 170	Welded Fabrication	3
WELD 180	GTAW II	3
WELD 190	Welded Art	3