

WELDING TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

Doña Ana Community College 2025-2026 Catalog (60-61 credits)

NOTE: Students must receive a final grade of C- or better in all required WELD courses/Technical Requirements and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 credits (60-61 of credits listed for degree). 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.

Prefix	Title	Credits
General Education		
<i>Select one course from four of the following six content areas for a total of 12-14 credits</i> ^{1,2}		12-14
This degree requires courses from Area I; students must select three courses from the remaining areas to complete General Education requirements.		
Area I: Communications		
ENGL 1110G	Composition I ³	
Area III: Laboratory Sciences ^{2,3}		
Area IV: Social/Behavioral Sciences ^{2,3}		
Area V: Humanities ^{2,3}		
Area VI: Creative and Fine Arts ^{2,3}		
General Education Elective		
COMM 1115G	Introduction to Communication ³	3
Or other approved New Mexico General Education Area I course listed in Oral Communication in the current DACC/NMSU Catalog		
Core Requirements		
Choose one of the following:		3
OETS 118	Mathematics for Technicians	
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus (or higher 3 or 4 credit Math course) ³	
Approved Technical Elective (AUTO, WELD, HVAC, DRFT, BMGT, BUSA, OECS 105, ELT)		2
Major Requirements		
Technical Requirements		
WELD 1130	SMAW (Shielded Metal Arc Welding) I	6
WELD 1120	Print Reading for Welders	3
WELD 1310	Metallurgy	3
WELD 1220	Pipe Welding I	3
WELD 1140	GMAW-Gas Metal Arc Welding I	3
WELD 1155	GTAW-Gas Tungsten Arc Welding I	3
WELD 1171	Layout and Fabrication	3
WELD 1210	Flux Cored Arc Welding	3

WELD 2220	Pipe Welding II	3
WELD 2155	GTAW-Gas Tungsten Arc Welding II	3
WELD 2290	Welder Qualifications	6
Total Credits		60-61

¹ Each course selected must be from a different area and students cannot take multiple courses in the same area.

² See the General Education (<https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) section of the catalog for a full list of courses.

³ Courses are identical to those offered at New Mexico State University Las Cruces (main) Campus.

(60-61 credits)

A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

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Semester 1		Credits
OETS 118	Mathematics for Technicians	3
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus ((or higher 3 to 4 credit Math course))	
WELD 1130	SMAW (Shielded Metal Arc Welding) I	6
WELD 1140	GMAW-Gas Metal Arc Welding I	3
WELD 1210	Flux Cored Arc Welding	3
Credits		15
Semester 2		
Area I: Communications – English Composition Level 1		4
ENGL 1110G	Composition I	
Select one course from different NM General Education Areas III, IV, V, and VI. A total of 3 courses from different areas are required. Areas III, IV, V, and VI.		3-4
WELD 1120	Print Reading for Welders	3
WELD 1155	GTAW-Gas Tungsten Arc Welding I	3
WELD 2155	GTAW-Gas Tungsten Arc Welding II	3
Credits		16-17
Semester 3		
Select one course from different NM General Education Areas III, IV, V, and VI. A total of 3 courses from different areas are required. Areas III, IV, V, and VI.		3-4
WELD 1310	Metallurgy	3
WELD 1220	Pipe Welding I	3

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WELD 2220	Pipe Welding II	3
WELD 1171	Layout and Fabrication	3
Credits		15-16
Semester 4		
General Education Elective – Area I: Communications - Oral Communications		3
COMM 1115G	Introduction to Communication	
Select one course from different NM General Education Areas III, IV, V, and VI. A total of 3 courses from different areas are required. n Areas III, IV, V, and VI.		3-4
WELD 2290	Welder Qualifications	6
Approved Technical Elective		2
Credits		14-15
Total Credits		60-63