

RESIDENTIAL HVAC - CERTIFICATE OF COMPLETION

Doña Ana Community College 2026-2027 Catalog (32-33 credits)

The following curriculum, which requires approximately one year to complete, is designed to prepare a student to install, service, and maintain residential heating and air conditioning systems.

NOTE: Students must earn a final grade of C- or better in all required HVAC 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 certificate requirements to total at least 32 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.

Prefix	Title	Credits
Related Requirements		
OETS 103 or ENGL 1110G	Technical Career Skills Composition I	4
Choose one of the following:		3-4
OETS 104	Basic Mathematics for Technicians	
OETS 118	Mathematics for Technicians	
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus ((or higher 3 or 4 credit course))	
Technical Requirements		
HVAC 1111	EPA Clean Air Act: Section 608 ²	1
HVAC 1105	Introduction to Fundamentals of Refrigeration	4
HVAC 1110	Introduction to Fundamentals of Electricity	4
HVAC 2098	Heating, Ventilating, Air Conditioning, and Refrigeration Field Experience	1
HVAC 1243	Residential Air Conditioning Systems	4
HVAC 1245	Gas Heating Furnaces	4
HVAC 2990	Practicum	3
HVAC 1238	Introduction to Sheet Metal Fabrication	4
Total Credits		32-33

² A fee of \$55 is required for study guide and testing; must pass Type 1 and Type 2 tests.

(32-33 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.

NOTE: Students must achieve a cumulative grade-point average of 2.0, a final grade of C- or better in ENGL 1110G Composition I, and a C- or better in all required courses.

Students must complete all University certificate requirements to total at least 32 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.

Semester 1		Credits
Choose one from the following:		3-4
OETS 104	Basic Mathematics for Technicians	
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))	
HVAC 1111	EPA Clean Air Act: Section 608	1
HVAC 1105	Introduction to Fundamentals of Refrigeration	4
HVAC 1110	Introduction to Fundamentals of Electricity	4
Credits		12-13
Semester 2		
HVAC 2098	Heating, Ventilating, Air Conditioning, and Refrigeration Field Experience	1
HVAC 1243	Residential Air Conditioning Systems	4
HVAC 1238	Introduction to Sheet Metal Fabrication	4
ENGL 1110G or OETS 103	Composition I or Technical Career Skills	4
Credits		13
Semester 3		
HVAC 1245	Gas Heating Furnaces	4
HVAC 2990	Practicum	3
Credits		7
Total Credits		32-33

¹ While OETS 103 Technical Career Skills meets program requirements, it does not meet NM General Education Area I: Communications - English Composition Level 1 requirements.