

HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION - ASSOCIATE OF APPLIED SCIENCE

Doña Ana Community College 2026-2027 Catalog (60-61 credits)

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 degree requirements, which include: General Education requirements and elective credits to total at least 60 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
General Education		
<i>Select one course from four of the following six content areas for a total of 12-14 credits^{1,2}</i>		12-14
This degree requires a course 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 and 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		
<i>Choose one of the following:</i>		
OETS 118	Mathematics for Technicians	3
MATH 1215	Intermediate Algebra	
MATH 1220G	College Algebra	
MATH 1250G	Trigonometry & Pre-Calculus ((or higher 3 or 4 credit MATH course))	
Major Requirements		
Technical Requirements		
HVAC 1111	EPA Clean Air Act: Section 608 ⁴	1
HVAC 1105	Introduction to Fundamentals of Refrigeration	4
HVAC 1110	Introduction to Fundamentals of Electricity	4
HVAC 1125	Electrical and Mechanical Controls I	4
HVAC 2098	Heating, Ventilating, Air Conditioning, and Refrigeration Field Experience	1
HVAC 1410	Commercial Refrigeration Systems	4
HVAC 1243	Residential Air Conditioning Systems	4
HVAC 1245	Gas Heating Furnaces	4
HVAC 2210	Commercial Air Conditioning and Heating Systems	4

HVAC 1250	Heat Pump Systems	4
HVAC 2990	Practicum	3
Electives, to bring the total credits to 60-61		
Approved Technical Elective (AUTO, WELD, HVAC, CNST, BMGT, BUSA, BCIS 1110, ELT)		3-4
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.

⁴ A fee of \$55 is required for study guide and testing; must pass Type 1 and Type 2 tests.

(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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Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 60 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
Area I: Communications - English Composition Level 1		4
ENGL 1110G	Composition I	
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
HVAC 2098	Heating, Ventilating, Air Conditioning, and Refrigeration Field Experience	1
Credits		14
Semester 2		
HVAC 1250	Heat Pump Systems	4
HVAC 1243	Residential Air Conditioning Systems	4
HVAC 2210	Commercial Air Conditioning and Heating Systems	4
OETS 118	Mathematics for Technicians	3
Credits		15
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. n Areas III, IV, V, and VI.		3-4
HVAC 1125	Electrical and Mechanical Controls I	4
HVAC 1410	Commercial Refrigeration Systems	4

HVAC 1245	Gas Heating Furnaces	4
Credits		16
Semester 4		
General Education Elective - Area I: Communications - Oral Communications		3
COMM 1115G	Introduction to Communication	
Select two courses 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.		6
HVAC 2990	Practicum	3
Approved Technical Elective (AUTO, WELD, HVAC, BMGT, BUSA, BCIS 1110, CNST, ELT)		3-4
Credits		15-16
Total Credits		60-61