

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
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General Education

Select one course from four of the following six content areas for a total of 12-14 credits ^{1,2}	12-14
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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	
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Area III: Laboratory Sciences ^{2,3}

	Area IV: Social and Behavioral Sciences ^{2,3}	
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Area V: Humanities ^{2,3}

	Area VI: Creative and Fine Arts ^{2,3}	
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General Education Elective

COMM 1115G	Introduction to Communication ³	3
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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:

OETS 118	Mathematics for Technicians	3
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MATH 1215	Intermediate Algebra	
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MATH 1220G	College Algebra	
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MATH 1250G	Trigonometry & Pre-Calculus ((or higher 3 or 4 credit MATH course))	
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Major Requirements

Technical Requirements

HVAC 1111	EPA Clean Air Act: Section 608 ⁴	1
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HVAC 1105	Introduction to Fundamentals of Refrigeration	4
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HVAC 1110	Introduction to Fundamentals of Electricity	4
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HVAC 1125	Electrical and Mechanical Controls I	4
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HVAC 2098	Heating, Ventilating, Air Conditioning, and Refrigeration Field Experience	1
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HVAC 1410	Commercial Refrigeration Systems	4
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HVAC 1243	Residential Air Conditioning Systems	4
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HVAC 1245	Gas Heating Furnaces	4
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HVAC 2210	Commercial Air Conditioning and Heating Systems	4
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HVAC 1250	Heat Pump Systems	4
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HVAC 2990	Practicum	3
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Electives, to bring the total credits to 60-61

Approved Technical Elective (AUTO, WELD, HVAC, CNST, BMGT, BUSA, BCIS 1110, ELT)	3-4
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Total Credits	60-61
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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.