

# AEROSPACE TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

## Doña Ana Community College 2022-2023 Catalog (60 credits)

**NOTE:** Not all General Education ('G') courses listed below are taught at DACC. Please check DACC's current schedule for actual course offerings.

**NOTE:** Students must earn a final grade of C- or better in all 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
<b>General Education Requirements</b>		
Choose one course from four of the following six content areas for a total of 12-14 credits <sup>1,2</sup>		12-14
This degree requires courses from Areas I, III, IV and V; students do not need to take any additional General Education courses to meet the requirement		
Area I: Communications - English Composition Level 1		
ENGL 1110G	Composition I <sup>3</sup>	
Area III: Laboratory Sciences - Choose one from the following:		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab <sup>3</sup>	
Area IV: Social/Behavioral Sciences - Choose one from the following:		
PSYC 1110G or SOCI 1110G	Introduction to Psychology <sup>3</sup> Introduction to Sociology	
Area V: Humanities - Choose one from the following:		
ENGL 1410G	Introduction to Literature <sup>3</sup>	
ENGL 2520G	Film as Literature <sup>3</sup>	
ENGL 2310G	Introduction to Creative Writing <sup>3</sup>	
ENGL 2650G	World Literature I <sup>3</sup>	
HIST 1110G	United States History I <sup>3</sup>	
HIST 1120G	United States History II <sup>3</sup>	
HIST 1130G	World History I <sup>3</sup>	
HIST 1140G	World History II <sup>3</sup>	
HIST 1150G	Western Civilization I <sup>3</sup>	
HIST 1160G	Western Civilization II <sup>3</sup>	
HIST 2245G	Islamic Civilizations to 1800 <sup>3</sup>	
HIST 2246G	Islamic Civilizations since 1800 <sup>3</sup>	
HIST 2250G	East Asia to 1600 <sup>3</sup>	
HIST 2251G	East Asia since 1600 <sup>3</sup>	
PHIL 1115G	Introduction to Philosophy <sup>3</sup>	

PHIL 1120G	Logic, Reasoning, & Critical Thinking <sup>3</sup>	
PHIL 1140G	Quest for God <sup>3</sup>	
PHIL 1145G	Philosophy, Law, and Ethics <sup>3</sup>	
PHIL 2110G	Introduction to Ethics <sup>3</sup>	
PHIL 2230G	Philosophical Thought <sup>3</sup>	
<i>General Education Elective - Area I: Communications - English Composition Level 2</i>		
ENGL 2210G	Professional & Technical Communication <sup>3</sup>	3
<b>Core Requirements</b>		
MATH 1250G or ELT 120	Trigonometry & Pre-Calculus (transfer track) <sup>3</sup> Mathematics for Electronics	4
<i>Technical Requirements<sup>4</sup></i>		
ELT 105	Basic Electricity and Electronics	3
MAT 105	Introduction to Manufacturing	3
MAT 102	Print Reading for Industry	3
MAT 110	Machine Operation and Safety	3
AERT 121 or AERT 105	Introduction to the Aerospace Workplace Aerospace Engineering PLTW	4
ELT 110	Electronics I	4
AERT 212 or WELD 120	Materials and Processes (Basic Metallurgy) Basic Metallurgy	3
AERT 213	Aerospace Fluid Systems	3
AERT 214	Aerospace Systems	3
AERT 221	Inspection Requirements and Planning Metrology	3
MAT 265	Special Topics	3
AERT 224	Aerospace Tests and Measurements	3
Choose one from the following:		
AERT 225	Cooperative Experience	1
AERT 255	Special Topics	
AERT 290	Independent Study	
OECs 101	Computer Basics	
OETS 102	Career Readiness Certification Preparation	

**Total Credits** 60

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 (<http://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 final grade of C- or better is required in all 100-level technical courses to progress to 200-level technical courses.