

SURVEYING TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

Doña Ana Community College 2024-2025 Catalog (61 credits)

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

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.

Students must achieve a cumulative grade-point average of 2.0 with a final grade of C- or better in all required DRFT and SUR courses.

Prefix	Title	Credits
General Education		
<i>This degree requires courses from Area I, II, III and either IV/V; students do not need to take additional courses to complete the General Education requirements</i>		14
<i>Area I: Communications</i>		
ENGL 1110G	Composition I	
<i>Area II: Mathematics</i>		
MATH 1220G	College Algebra	
<i>Area III: Laboratory Science</i>		
PHYS 1230G/1230L	Algebra-Based Physics I	
<i>Area IV: Social/Behavioral Sciences/Area V: Humanities</i>		
Choose one course for three credits from either Area IV or Area V ¹		
<i>General Education Elective</i>		
Choose another Area III: Laboratory Science course other than PHYS 1230G/PHYS 1230L		4
Core Requirements		
COMM 1115G	Introduction to Communication	3
ENGL 2210G	Professional and Technical Communication Honors	3
MATH 1250G	Trigonometry & Pre-Calculus	4
Major Requirements		
DRFT 100	Introduction to Architecture, Engineering, & Construction	3
DRFT 109	Computer Drafting Fundamentals	3
DRFT 143	Civil Drafting Fundamentals	3
DRFT 151	Construction Principles and Print Reading	3
DRFT 153	Survey Drafting Applications	3
DRFT 204	Geographic Information Systems Technology	3
DRFT 222	Introduction to Geomatics	3
DRFT 243	Land Development Drafting	3
or DRFT 254	Spatial Data Processing	
SUR 285	Precise Digital Mapping	3
SUR 292	Legal Principles and Boundary Law I	3
Choose one from the following:		3

CTEC 156	Python Programming	
OECS 192	C++ Programming I	
OECS 195	Java Programming I	
Total Credits		61

¹ See the General Education (<https://nmsu-curr.courseleaf.com/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) section of the catalog for a full list of courses.

(60 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.

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.

First Year

Fall		Credits
DRFT 100	Introduction to Architecture, Engineering, & Construction	3
DRFT 109	Computer Drafting Fundamentals	3
DRFT 151	Construction Principles and Print Reading	3
DRFT 204	Geographic Information Systems Technology	3
MATH 1220G	College Algebra	3
Credits		15

Spring

DRFT 143	Civil Drafting Fundamentals	3
DRFT 153	Survey Drafting Applications	3
COMM 1115G	Introduction to Communication	3
ENGL 1110G	Composition I	4
MATH 1511G	Calculus and Analytic Geometry I	4
Credits		17

Second Year

Fall

DRFT 222	Introduction to Geomatics	3
SUR 285	Precise Digital Mapping	3
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	4
Choose one from the following:		3
CTEC 156	Python Programming	
OECS 192	C++ Programming I	
OECS 195	Java Programming I	
Credits		13

Spring

SUR 292	Legal Principles and Boundary Law I	3
Area III: Laboratory Science Course ^{1,2}		4
Area IV: Social/Behavioral Sciences or Area V: Humanities Course ²		3
ENGL 2210G	Professional and Technical Communication Honors	3

2 Surveying Technology - Associate of Applied Science

DRFT 243 or DRFT 254	Land Development Drafting or Spatial Data Processing	3
Credits		16
Total Credits		61

¹ Choose any other laboratory science course, other than PHYS 1230G Algebra-Based Physics I/PHYS 1230L Algebra-Based Physics I Lab

² See the General Education (<https://nmsu-curr.courseleaf.com/donana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) section of the catalog for a full list of courses.