

# CIVIL/SURVEY TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

## Doña Ana Community College 2023-2024 Catalog (60 credits)

NOTE: Students must earn a final grade of C- or better in all required DRFT courses/Technical Requirements/Electives 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</b>		
<i>Select one course from four of the following six content areas for a total of 12-14 credits</i> <sup>1,2</sup>		12-14
This degree requires courses from Areas I, II, and III; students must select one course from the remaining areas (IV, V, or VI) to complete General Education requirements.		
Area I: Communications - English Composition Level 1		
ENGL 1110G	Composition I <sup>3</sup>	
Area II: Mathematics		
MATH 1220G	College Algebra <sup>3,4</sup>	
Area III: Laboratory Sciences		
PHYS 1230G	Algebra-Based Physics I <sup>3</sup>	
PHYS 1230L	Algebra-Based Physics I Lab <sup>3</sup>	
<i>General Education Elective - Area I: Communications - Oral Communications</i>		
COMM 1115G	Introduction to Communication <sup>3</sup>	3
<i>General Education Elective - Area IV: Social/Behavioral Sciences, Area V: Humanities, or Area VI: Creative and Fine Arts</i>		
3		
<b>Core Requirements</b>		
MATH 1250G	Trigonometry & Pre-Calculus <sup>3</sup>	4
<b>Major Requirements</b>		
<i>Technical Requirements</i>		
DRFT 109	Computer Drafting Fundamentals	3
DRFT 143	Civil Drafting Fundamentals	3
DRFT 151 or E T 154	Construction Principles and Print Reading or Construction Methods and Communications	3
DRFT 153	Survey Drafting Applications	3
DRFT 204	Geographic Information Systems Technology	3
DRFT 222	Introduction to Geomatics	3
DRFT 242	Roadway Development Drafting	3
DRFT 243	Land Development Drafting	3
DRFT 254	Spatial Data Processing	3
DRFT 288	Portfolio Development	3
<b>Electives, to bring the total credits to 60</b>		

Advisor approved electives (C E, DRFT, ENGR, E T, GEOG, SUR)	9
<b>Total Credits</b>	<b>60</b>

- <sup>1</sup> Each course selected must be from a different area and students cannot take multiple courses in the same area.
- <sup>2</sup> 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.
- <sup>3</sup> Courses are identical to those offered at New Mexico State University Las Cruces (main) Campus.
- <sup>4</sup> MATH 1220G College Algebra is required for the degree but students may need to take any prerequisites needed to enter MATH 1220G first.

### (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.

NOTE: Students must earn a final grade of C- or better in all required DRFT courses/Technical Requirements/Electives 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.

Semester 1		Credits
Area I: Communications - English Composition Level 1		4
ENGL 1110G	Composition I	
DRFT 109	Computer Drafting Fundamentals	0,3
DRFT 151 or E T 154	Construction Principles and Print Reading or Construction Methods and Communications	3
DRFT 204	Geographic Information Systems Technology	3
<b>Credits</b>		<b>10-13</b>
Semester 2		Credits
Area II: Mathematics		3
MATH 1220G	College Algebra	
General Education Elective - Area I: Communications - Oral Communications		3
COMM 1115G	Introduction to Communication	
DRFT 143	Civil Drafting Fundamentals	3
DRFT 153	Survey Drafting Applications	3
DRFT 254	Spatial Data Processing	3
<b>Credits</b>		<b>15</b>
Semester 3		Credits
Area II: Mathematics		4
MATH 1250G	Trigonometry & Pre-Calculus	
Area III: Laboratory Sciences		4
PHYS 1230G	Algebra-Based Physics I	
PHYS 1230L	Algebra-Based Physics I Lab	
DRFT 242	Roadway Development Drafting	3

Advisor Approved Elective (C E, DRFT, ENGR, E T, GEOG, SUR)	3
Advisor Approved Elective (C E, DRFT, ENGR, E T, GEOG, SUR)	3
<b>Credits</b>	<b>17</b>
<b>Semester 4</b>	
Area IV: Social/Behavioral Sciences, Area V: Humanities, or Area VI: Creative and Fine Arts - Choose one course from NM General Education Area IV, V, or VI in the NMSU/DACC Catalog.	3
DRFT 222 Introduction to Geomatics	3
DRFT 243 Land Development Drafting	3
DRFT 288 Portfolio Development	3
Advisor Approved Elective (C E, DRFT, ENGR, E T, GEOG, SUR)	3
<b>Credits</b>	<b>15</b>
<b>Total Credits</b>	<b>57-60</b>