

# MECHANICAL DRAFTING AND SOLID MODELING - CERTIFICATE OF COMPLETION

## Doña Ana Community College 2023-2024 Catalog (18 credits)

NOTE: Students must earn a final grade of C- or better in all required DRFT 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 certificate requirements to total at least 18 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>Technical Requirements</b>		
DRFT 109	Computer Drafting Fundamentals	3
DRFT 114	Introduction to Solid Modeling	3
DRFT 164	Intermediate Mechanical Drafting/Solid Modeling	3
DRFT 214	Advanced Solid Modeling	3
MAT 102	Print Reading for Industry	3
	or Advisor Approved Elective (AERT, DRFT, ENGR, E T, MAT, or WELD)	
MAT 105	Introduction to Manufacturing	3
	or Advisor Approved Elective (AERT, DRFT, ENGR, E T, MAT, or WELD)	
<b>Total Credits</b>		<b>18</b>

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<b>Semester 1</b>		<b>Credits</b>
MAT 105	Introduction to Manufacturing (OR Advisor-Approved Elective AERT, DRFT, ENGR, E T, MAT, or WELD)	3
DRFT 109	Computer Drafting Fundamentals	3
<b>Credits</b>		<b>6</b>
<b>Semester 2</b>		
DRFT 114	Introduction to Solid Modeling	3
MAT 102	Print Reading for Industry (OR Advisor-Approved Elective AERT, DRFT, ENGR, E T, MAT, or WELD)	3
<b>Credits</b>		<b>6</b>

<b>Semester 3</b>		
DRFT 164	Intermediate Mechanical Drafting/Solid Modeling	3
DRFT 214	Advanced Solid Modeling	3
<b>Credits</b>		<b>6</b>
<b>Total Credits</b>		<b>18</b>