

MECHANICAL DRAFTING AND SOLID MODELING - ASSOCIATE OF APPLIED SCIENCE

(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	3
MAT 102	Print Reading for Industry	3
MAT 105	Introduction to Manufacturing	3
Credits		13
Semester 2		
Area II: Mathematics		3
MATH 1220G	College Algebra	
General Education - Choose one course from NM General Education Areas IV, V, or VI in the NMSU/DACC Catalog.		3
DRFT 114	Introduction to Solid Modeling	3
DRFT 124	Introduction to Geometric Dimensioning and Tolerancing	3
DRFT 164	Intermediate Mechanical Drafting/Solid Modeling	3
Credits		15
Semester 3		
SUMMER		
General Education Elective - Area I: Communications - Oral Communications		3
COMM 1115G	Introduction to Communication	
Advisor Approved Elective (AERT, DRFT, ENGR, E T, MAT, M E, or WELD)		3
Credits		6
Semester 4		
Area II: Mathematics		4
MATH 1250G	Trigonometry & Pre-Calculus	
DRFT 214	Advanced Solid Modeling	3
Advisor-Approved Elective (AERT, DRFT, ENGR, E T, MAT, M E, or WELD)		3

Advisor-Approved Elective (AERT, DRFT, ENGR, E T, MAT, M E, or WELD)		3
Credits		13
Semester 5		
Area III: Laboratory Sciences		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
DRFT 288	Portfolio Development	3
Advisor-Approved Elective (AERT, DRFT, ENGR, E T, MAT, M E, or WELD)		3
Advisor-Approved Elective (AERT, DRFT, ENGR, E T, MAT, M E, or WELD)		3
Credits		13
Total Credits		60