

# Sample Academic Plan: Advanced Manufacturing Drafting Mechanical Civil AA/AS Degree

Catalog: 22-23

GE Pattern: Sierra College

Full Time, Total Units: 60

NOTE: This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an academic plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call (916) 660-7400.

## First Year

### Semester 1 (14.5 units)

Course Number	Course Title	Units	Area
ADVM 0001	Technical Drafting I	3 units	Major
ADVM 0062	Intro to Computer Aided Design Manufacturing	2.5 units	Major
ADVM 0063	Design and 2-D Manufacturing of 3-D Objects	2 units	Major
ENGL 0001A	College Read/Write/Research	4 units	SC Area D1/LS 1 & 2
	Elective	3 units	Elective

### Semester 2 (15 units)

Course Number	Course Title	Units	Area
ADVM 0002	Technical Drafting II	3 units	Major
ADVM 0066	CNC Machining Level 1	3 units	Major
MATH 0012	College Algebra	4 units	SC Area D2/LS 4
	General Education	3 units	SC Area LS 3
	Elective	2 units	Elective

## Second Year

### Semester 3 (15-16 units)

Course Number	Course Title	Units	Area
ADVM 0011	Three-Dimensional Modeling	3 units	Major
ADVM 0012	Geometric Dimensioning and Tolerancing	3 units	Major
ADVM 0067	CNC Machining Level 2	3 units	Major
	General Education	3 units	SC Area C
	General Education	3-4 units	SC Area A

### Semester 4 (14.5-15.5 units)

Course Number	Course Title	Units	Area
ADVM 0095	Internship in Advanced Manufacturing	.5-4 units	Major
	General Education	3 units	SC Area B
	General Education	3 units	SC Area E
	General Education	3 units	SC Area F
	Elective	2-5 units	Elective