

# Sample Academic Plan: Advanced Manufacturing AS Degree

Catalog: 22-23

GE Pattern: Sierra College

Full Time, Total Units: 60.5

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 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
ADVM 0064	Computer Aided 2D Design	3 units	Major
ENGL 0001A	College Read/Write/Research	4 units	SC Area D1/LS 1 & 2
	Elective	3 units	Elective

### Semester 2 (17 units)

Course Number	Course Title	Units	Area
ADVM 0066	CNC Machining Level 1	3 units	Major
ADVM 0001	Technical Drafting I	3 units	Major
MATH 0010	Problem Solving	4 units	SC Area D2/LS 4
	General Education	3 units	SC Area LS 3
	General Education	4 units	SC Area A

## Second Year

### Semester 3 (14-15 units)

Course Number	Course Title	Units	Area
ADVM 0067	CNC Machining Level 2	3 units	Major
WELD 0001A	Introductory Welding for Metalworking	2 units	Major
ADVM 2/ADVM 12/MECH 4	Tech Draft II/Geometric Dimen Toler/Fund Mech	3-4 units	Major Elective
	General Education	3 units	SC Area F
	General Education	3 units	SC Area C

### Semester 4 (14-15 units)

Course Number	Course Title	Units	Area
ADVM 0068	Advanced Mill 4th and 5th Axis	3 units	Major
ADVM 0003D	Design for Additive Manufacturing- 3D	3 units	Major
ADVM 2/ADVM 12/WELD 2A	Tech Draft II/Geomet Dimen Toler/Wire Fd Weld	2-3 units	Major Elective
	General Education	3 units	SC Area E
	General Education	3 units	SC Area B