

Sample Academic Plan: Mechatronics- Mechatronics Technology AA-AS Degree

Catalog: 22-23

GE Pattern: Sierra College

Full Time, Total Units: 60 units

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 (15-16 units)

Course Number	Course Title	Units	Area
MECH 0010	Fundamentals of Electronics	4 units	Major
MECH 0014	Fabrication Techniques	2 units	Major
ENGL 0001A	College Read/Write/Research	4 units	SC Area D1/LS 1 & LS 2
MATH 0018/0013	Nature of Math/Elementary Statistics	3-4 units	SC Area D2/LS 4
	Elective	2 units	Elective

Semester 2 (15-16 units)

Course Number	Course Title	Units	Area
MECH 0004	Fundamentals of Mechatronics	4 units	Major
MECH 0044	Mechatronic Processes and Materials	2 units	Major
ADVM 0003D	Design for Additive Manufacturing- 3D Printing	3 units	Major
	General Education	3-4 units	SC Area A
	General Education	3 units	SC Area LS 3

Second Year

Semester 3 (14 units)

Course Number	Course Title	Units	Area
MECH 0054	Mechatronics Systems	4 units	Major
MECH 0025	Computers for Robotics and Automation	4 units	Major
	General Education	3 units	SC Area B
	Elective	3 units	Elective

Semester 4 (16 units)

Course Number	Course Title	Units	Area
MECH 0090	Microcontroller Embedded Systems	4 units	Major
	General Education	3 units	SC Area C
	General Education	3 units	SC Area E
	General Education	3 units	SC Area F
	Elective	3 units	Elective