Advising Road Map – 5 Year

Major:	BS Materials Engineering
Concentration in:	
Total Units to Degree:	120
Academic Year:	2019 - 2020

The following road map is an advising tool that outlines a path of courses a student can take to complete requirements for graduation. This roadmap should be used in consultation with the catalog and your department to identify additional requirements for completing the major (for example course grade minimums). Students must have 60+ units in order to take SJSU Studies courses.

Fall Semester- Year 1

Course or Requirement	Units
CHEM 1A (B1/B3)	5
MATH 30 (B4)	3
MATH 30W (optional)	(1)
ENGL 1A (A2)	3
Total Semester Units:	11 (12)

Spring Semester- Year 1

Course or Requirement	Units
MATH 31 (B4)	4
MATH 31W (optional)	(1)
CHEM 1B (B1/B3)	5
PHYS 50 (B1/B3)	4
Total Semester Units:	13 (14)

Fall Semester- Year 2

Course or Requirement	Units
MATH 32 (B4)	3
MATE 25	3
PHYS 51 (B1/B3)	4
ENGR 10 (E)	3
WRITING SKILLS TEST	
Total Semester Units:	13

Spring Semester- Year 2

Course or Requirement	Units
MATH 133A	3
CE 99	2
EE 98	3
ENGL 1B (C2)	3
Total Semester Units:	11

Fall Semester- Year 3

Course or Requirement	Units
AMS 1A	6
MATE 153	3
MATE 115	3
CHE 162	2
Total Semester Units:	14

Spring Semester- Year 3

Course or Requirement	Units
MATE 151	3
AMS 1B	6
MATE 141	3
MATE 144	1
Total Semester Units:	13

Fall Semester- Year 4

Course or Requirement	Units
ME 30	2
ENGR 100W	3
(Z & R)	
MATE 185	3
ME 20	2
MATE 143	1
Total Semester Units:	11

Spring Semester- Year 4

Course or Requirement	Units
GE Area A1	3
MATE 155	3
MATE 154	3
TECH ELECTIVE	3
Total Semester Units:	12

Fall Semester- Year 5

Course or Requirement	Units
MATE 195*	3
MATE 198A*	2
MATE 186	3
CHE 161*	1
ENGR 195A (S)	1
Total Semester Units:	10

Spring Semester- Year 5

Course or Requirement	Units
MATE 152*	3
MATE 198B	2
TECH ELECTIVE	3
TECH ELECTIVE	3
ENGR 195B (V)	1
Total Semester Units:	12

NOTES:

*requires successful completion of ENGR 100W