Advising Road Map

Major:	BS - Biomedical Engineering
Concentration:	
Total Units to Degree:	120
Academic Year:	2018 - 2019

The following road map is a path of courses 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*
MATH 30 (B4)	3
MATH 30W	
CHEM 1A (B1/B3)	5
GE Area A2 (Recommend ENGL 1A)	3
ENGR 10 (Area E)	3
Total Semester Units:	14

Spring Semester - Year 1

Course or Requirement	*Units*
MATH 31 (B4)	4
MATH 31W	
CHEM 1B (B1/B3)	5
PHYS 50 (B1/B3)	4
ENGL 1B (C2)	3
Total Semester Units:	16

Fall Semester - Year 2

Course or Requirement	*Units*
BIOL 30 (B2/B3)	4
MATH 32	3
AMS 1A	6
BME 25	3
Register to take WST	
Total Semester Units:	16

Spring Semester - Year 2

Course or Requirement	*Units*
CHEM 8	3
GE Area A1 (Recommend COMM 20)	3
AMS 1B	6
MATH 133A or MATH 123	3
Total Semester Units:	15

Fall Semester - Year 3

Course or Requirement	Units
BME 115	4
PHYS 51 (B1+B3)	4
BME 177	3
CHEM 9	1
BME 130	3
Total Semester Units:	15

Spring Semester - Year 3

Course or Requirement	Units
MATE 25	3
ENGR 100W (Z & R)	3
BME 174	3
BME 117	3
CE 99	2
Total Semester Units:	14

Fall Semester - Year 4

Course or Requirement	Units
BME 198A (A)	2
ENGR 195A (S)	1
BME 147	3
BME 175	3
BMED Electives	3
EE 98	3
Total Semester Units:	15

Spring Semester - Year 4

Course or Requirement	Units
BME 198B (V)	2
ENGR 195B (V)	1
BME 178	3
BME 167	3
BMED Electives	3
BMED Electives	3
Total Semester Units:	15

Notes:

(1) Lower Division Core (LD core): MATH 30*, MATH 31*, MATH 32*, Phys 50*, Phys 51, CHEM 1A*, CHEM 1B*, BIOL 30*, ENGR 10*, ME 20*, CE 95, MatE 25, and EE 98. Those with an asterisk (*) must be completed with a GPA of ≥2.0, & no individual course grade < C- before enrolling in Junior Core classes. The entire Lower Division Core, must be completed, also with a GPA of ≥ 2.0, & no individual course grade < than C- before enrolling in Senior Core classes. Co-enrollment of EE 98 with BME 198A is permitted. (2) Junior Core: MATH 133A or MATH 123, BME 115, BME 117, BME 130, BME 174, BME 177, and ENGR 100W. Must be completed with a GPA ≥ 2.0, and no individual course grade < C- before enrolling in Senior core classes. (3) Senior Core: BME 147, BME 167, BME 175, BME 178, BME 198A, and BME 198B. The entire Senior Core must be completed with a GPA ≥ 2.0 and no individual course grade < C-.