

Advising Road Map

Major:	BS Applied Mathematics
Concentration in:	Applied and Computational Math
Total Units to Degree:	120
Academic Year:	2016-2017

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
MATH 30, 30P or 30PL (GE Area: B4)	3
ENGL 1A (GE Area: A2)	3
GE Area A1	3
GE Area E*	3
GE Area C1*	3
Total Semester Units:	15

Spring Semester- Year 1	
Course or Requirement	Units
MATH 31	4
MATH 42	3
PHYS 50 (GE Area: B1,B3)	4
PHIL 57 (GE Area: A3) preferred	3
KIN (PE)	1
Total Semester Units:	15

Fall Semester- Year 2	
Course or Requirement	Units
MATH 32	3
MATH 129A	3
PHYS 51	4
Amer Inst + GE Area D2, US1, US2, US3 (HIST 15A, AFAM 2A, AAS 33A, MAS 10A)	3
KIN (PE)	1
Register to take WST	
Total Semester Units:	14

Spring Semester- Year 2	
Course or Requirement	Units
MATH 112	3
MATH 161A	3
CS 46A	4
Amer Inst + GE Area D3, US1, US2, US3 (HIST 15B, AFAM 2B, AAS 33B, MAS 10B)	3
GE Area C2*	3
Total Semester Units:	16

Fall Semester- Year 3	
Course or Requirement	Units
MATH 134	3
CS 46B	4
GE Area C1 or C2*	3
GE Area B2*	3
GE Area D1*	3
Total Semester Units:	16

Spring Semester- Year 3	
Course or Requirement	Units
MATH 178	3
MATH 143C	3
MATH 100W (Z)	3
MATH 133B	3
University Elective	2
Total Semester Units:	14

Fall Semester- Year 4	
Course or Requirement	Units
MATH 129B, 143M, or 177	3
Math 131A, 132, 142 or (179)**	3
Upper Division Support Course***	3
SJSU Studies (R)	3
SJSU Studies (S)	3
Total Semester Units:	15

Spring Semester- Year 4	
Course or Requirement	Units
MATH 138	3
Upper Division Support Course***	3
SJSU Studies (V)	3
University Elective	3
University Elective	3
Total Semester Units:	15

NOTES:

Recommend MATH 30W and MATH 31W during Fall and Spring-Year 1 (respectively);

*Indicates GE classes that can be taken any semester prior to Spring Year 3

** MATH 131A, 132, or 142 in Fall Year 3 can be replaced with MATH 179 in Spring Year 2

***Upper Division Support Course is an upper division course from Math, Computer Science, Science, or Engineering. It can be MATH 203 or a similar applied mathematics project. It must be approved by the Department of Mathematics and Statistics.