

Pre-Approved Support Courses for the BS Applied Math Concentration in Statistics

BS Applied Math, Concentration in Statistics majors are required to take two lower division and two upper division support courses which can come from a variety of areas where math can be applied. If you want a Math Dept. approval for a combination of support courses that are not on the pre-approved list you need department approval. Please fill out the [Support Course Substitution Form](#) with your advisor.

Business/Economics

8 units of Lower Division Support: Econ 1A and Econ 1B

6 units of Upper Division Support: Select one of the options below:

Option 1: Bus1 170 and one of Bus1 172A or Bus1 174

Option 2: Bus2 130 and Bus2 138

Option 3: Two courses from the following list: Econ 101, Econ 102, Econ 103A, Econ 103B, Econ 104, Econ 106, Econ 137A, Econ 138, or Econ 139

Option 4: Bus2 190 and Bus2 191

Option 5: Bus2 130, or Bus2 193

Computer Science:

8 units of lower division cs 46 A and cs 46B

6 units of upper division support Select one of the options below:

Option 1: Two courses from the following list:

CS 116A (requires CS 146), 122(require CS 146), 134 (advanced), 146 (49J), 151 (49j), 155(require CS 146), 156 (require CS 146), 157A(require CS 146), 159(require CS 146),166(require CS 146),

Option 2: CS 123A and CS 123B

Science

8 units of Lower Division Support: Bio 30 and Bio 31

6 units of Upper Division Support: BIO 123A and Bio 123B

Pre-Approved Support Courses for the BS Applied Math **Concentration in Applied and Computational Math**

Students in this major are required to take two lower division and two upper division support courses which can come from a variety of areas where math can be applied. If you want a Math Dept. approval for a combination of support courses that are not on the pre-approved list you need department approval, i.e. your choice must be approved by both your advisor and the Undergraduate Coordinator. Please fill out the [Support Course Substitution Form](#) with your advisor.

OPTION 1. Computer Science:

4 courses from the list below:

CS 116A, 122, 134, 136, 146, 151, 154, 155, 156, 157A, 159, 166, 168, 171, 176

OPTION 2. Physics

Physics 50 and 51

2 upper division Physics courses.

OPTION 3. Statistics

4 courses from the following list:

Math 151, Math 161B, Math 161C, Math 162, Math 163, Math 164, Math 167R

OPTION 4. For the Applied Discrete Math Track only

4 courses from the following list(not already used in the major) : Math 132, Math 134, Math. 133B, Math 138, Math 143C, Math 170, Math 177

OPTION 5 For the Applied Math track only

4 courses from the following list(not already used in the major): Math 127, Math 129B, Math 142, Math 146, Math163, Math177, Math 179

OPTION 6 : Data Science

4 courses from the following list: Math 161B, Math 161C, Math 151, Math 167R, Math 163, CS 146, Math 167PS or CS 151, CS 171. Note you may only use one of Math 167PS and CS 151.

Department of Mathematics and Statistics
San Jose State University
Request for Alternative sequence of support courses
For BS Applied Math

Last Name _____ Student ID _____

First Name _____

12 units in a supporting area is required. Generally, the courses come from the same area. At least 6 units must be upper division.

Course Number	Course Title	Units	Semester & year	Grade	

Advisor Name and Signature _____ Date _____

Undergrad Coordinator Name and Signature _____ Date _____