Prerequisite Diagram- SJSU BSCS program

- Previous programming experience & GE Math
- Previous programming experience in a language other than Java
- Eligibility for college level Math
- Knowledge of Java equivalent to that obtained in CS 46A or CS 49J
- Math 19 or a Passing Score on the Calculus Placement Exam (CPE)
- Math 30P or Math 30
- Math 31
- Math 129A
- Math 161A
- Math 162
- Math 142
- Math 46A or Math 49J

- A Passing score on the CPE or Math 19 with a grade of "C" or better
- Programming in C/C++
- Math 42
- WST, Engl 1B, & Core GE

- CS 47
- CS 147
- CS 174
- CS 123A
- CS 144
- CS 154
- CS 146
- CS 151
- CS 175
- CS 100W
- CS 46A
- CS 468

- Math 129A
- Math 14

- BIOL 30 and BIOL 31 if non CS
- Math 30P or Math 30
- Math 161A
- Math 162
- Math 142
- Math 46A or Math 49J
Some courses have alternate prerequisites for students coming from other majors. For prerequisites for a particular CS course, check the [catalog](#).

- Heavy solid lines represent deep courses. One deep course is required for the BSCS.
- Dotted lines represent elective courses.
- Most courses in regular solid lines are required for the BSCS.

1. Satisfaction of the ELM requirement is also a prerequisite for both MATH 30 and MATH 30P.
2. Selection by a company and instructor consent are also prerequisites for both CS 190I and CS 190.
3. Requires [department approval](#) to count as a BSCS elective.
4. CS 180, CS 180H and Math 203 may be used as CS electives. Advance approval is required. See the [catalog](#) for descriptions of these courses, the CS web site for the petition form for CS 180 and CS 180H, and the BSCS FAQ for approval information about the other courses.
5. Science courses are not represented in the chart. Check the CS web site for the BSCS science requirements.