Choosing The Right Computer Science Courses for You

For all Computer Science classes, a solid understanding of Algebra (at the level of Math 60 or higher) is strongly recommended. Higher math is helpful but not needed. English language skills are also required. (ESL 160 or higher recommended.)

Introductory Courses
CS 101: The most gentle introduction to Computer Science overall, no prerequisite
CS 110A: The best introductory programming course, also no prerequisite.
CS 160A: Intro to the Linux and Unix operating systems. Recommended for all CS students.
CS 150A: Introduction to SQL databases, using NoSQL data sources.
CS 112: Introduction to mobile app programming for iPhones using Swift.
CNIT 131: Internet Basics & Beginning HTML: Teaches key internet skills leading toward web development.

Intermediate and Advanced Courses
CS 130A, 131A, 132A, or 113A: For those who already know a little programming, these classes teach PHP, Python, Ruby, or Perl. If you have never programmed before, first take CS 101 or 110A.
CS 110B, 111B, or 114B: For those who already know how to write programs with if-statements, loops, functions/methods, and arrays, in Python, C++, Java, or a similar language. If you have never programmed before, first take CS 110A.

See the Class Schedule and College Catalog for a complete list of all the classes we offer.

Advisories and Prerequisites are listed in the schedule and catalog. Advisories include topics instructor will assume students already know.

Taking the advised courses first will greatly increase the likelihood of success in the class. If you haven’t taken a prerequisite for a course, e-mail computersonce@ccsf.edu to schedule a half-hour multiple-choice challenge exam.

Sequences of Classes, Including Degrees and Certificates
If you don’t already have a degree, we encourage you to pursue our AS Degree in Computer Science, then transfer to complete a BS in CS. Assist.org has official info on which courses transfer where (articulation agreements). If you plan to get a Bachelor’s Degree, look at the information By Major.

If you already have a bachelor’s degree of any kind, a Certificate is recommended instead of a second undergraduate degree, or consider pursuing a Master’s Degree (check with specific universities to see which courses you can take at City College).

For more information, see the CS Department’s web page at http://www.ccsf.edu/cs.

For more info, contact the Computer Science Department Chair, Craig Persiko at cpersiko@ccsf.edu.

Tutoring for CS students is available at the Academic Computing Resource Center (ACRC), BATL 301. Their web site is at: http://www.ccsf.edu/acrc.