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 or 111A: The best introductory programming courses,
also no prerequisite. Take only one of these courses. Do not take
both 110A and 111A.
CS 160A: Intro to the Linux and Unix operating systems.
Recommended for all CS students.
CS 150A or 151A or 155A: Introduction to SQL databases, using
Microsoft SQL Server, Oracle, or MySQL.
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, 110A, or 111A.
CS 110B, 111B, or 114B: For those who already know how to write
programs with if-statements, loops, functions/methods, and arrays,
in C++, Java, C# or a similar language. If you want to learn both C++
and Java, take both 110B and 111B (but don’t take both 110A and
111A; don’t take both 110C and 111C).

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 computersonescience@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.