

First-Year Course Recommendations – Computer Science

Full-time students typically choose a combination of these courses - totaling 12-16 units per semester.

	Course	Course Title	Course Advice	Units	Semester	
					1st	2nd
Major	CS 104	Computer Concepts	Most of the required Computer Science (CS) courses you will need to take recommend you take this class first. It might not be required, but it transfers to CSU's and UC's. Check Assist.org to determine which additional CS courses your dream colleges want – most of these courses will be more appropriate during your second year.	4		
	CHEM 155	General Chemistry I	These courses are usually required for CS majors. Note: CHEM 101 or a year of high school chemistry is a prerequisite as is MATH 107 or 111 (Intermediate Algebra). Depending on how strong your high school preparation was in Chemistry, taking CHEM 101 might be advised. If you choose not to take CHEM 101, you will need to submit a Prerequisite Challenge Form A to Admissions and Records before you register for CHEM 155.	5		
	CHEM 156	General Chemistry II		5		
	PHYS 102	Introduction to Physics	If you didn't successfully pass a trigonometry based physics course in high school, you will need this course before you will be able to take the commonly required CS physics sequence (PHYS 121, 122, and 123). Note: most students take PHYS 121 in their second year since it also requires MATH 150 be completed first.	4		
General Education	English	See: Which English Courses Do I Need?	English is a foundational skill necessary for success in all college courses. Note: most of SBCC's courses have a Skills Advisories of Eligibility for ENGL 110. Take whichever level of English you assessed into.	3-5		
	Math	See: Understanding Your Math Course Placements	CS majors require MATH 150 and 160 for calculus and usually Math 200 (Multivariable Calculus), MATH 210 (Linear Algebra), and MATH 220 (Differential Equations). Check Assist.org to see what your desired school requires. Start with whatever math course you assessed into and work your way through this sequence.	3-5		
	Arts and Humanities	See: IGETC Area 3A & 3B; SBCC GE Pattern Area C	Often CS majors finish these two areas of general education once they transfer, but if you plan to transfer to a UC you will need one course from IGETC Area 3 or Area 4 to meet the admission requirement. Look for a course with skills advisories which match your placement levels and that sound interesting to you.	3		
	Social Sciences	See: IGETC Area 4; SBCC GE Pattern Area B				
*Electives	PD 100	College Success	PD 100 is designed to teach study skills for academic success in college. It introduces resources available at SBCC and allows students to explore major and transfer goals. PD 110 is designed to help students explore major and career options while also gaining interview, communication, and resume writing skills. Note: both courses transfer to UC's and CSU's but UC's only count units for one (so we recommend you only take one).	3		
	PD 110	Career Planning				
	PE	Physical Education Activities	You can transfer up to 4 units of PE activity courses to the UC system and more to CSU campuses. They can be a great way to manage stress and maintain physical health. Many of these courses are graded.	1		
	Any course of interest		Taking courses you are interested in can be one of the best ways to explore major and career options. SBCC offers many incredible courses in areas outside of major and general education that are still desired by the UC and CSU systems.	1-5		

***Note: CS majors typically take 60+ units of major and general education courses prior to transfer. Depending on your timeline, you might not have time to take electives.**