Academic Requirements Worksheet: Computer Science (CSC)
Effective Fall 2018 Catalog and Beyond

To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). There is no way to list all possible overlaps, so please complete this form with a professional advisor. We can help you identify the best course of action.

Graduation Requirements *Items with * require C- or better*	√
Total Unit Requirements:	
# Total units required for a CSC BS **120 units**	
# Total major-related units **81 units**	
# Total units outside of major **39 units**	
American Institutions:	
# US History *Recommend HIST 17A or 17B*	
# US Constitution *Recommend POLS 1*	
# CA State & Local Government *Recommend POLS 1*	
Race & Ethnicity in American Society (R+E) _____	
English Composition:	
# Written Communication* ENGL 5/5M or 11/11M	
# Second Semester Composition* ENGL 20/20M	
Graduation Writing Assessment Requirement (GWAR):	
# Writing Placement for Juniors(WPJ) or ENGL 109W	
# Writing Intensive (WI) Course* _____	
Foreign Language (FL) **EXEMPT**	√

Next Semester Course Option (Units)

1. _____ ( )
2. _____ ( )
3. _____ ( )
4. _____ ( )
5. _____ ( )
6. _____ ( )

Total Units:____

To Do:

_____

_____

_____

General Education Requirements *Items with * require C- or better*

A. Basic Subjects (9 units)	Suggestion or Requirement	Course	Semester	Grade
A1. Oral Communication*	COMS 4 or COMS 5			
A2. Written Communication*	ENGL 5/5M or ENGL 11/11M			
A3. Critical Thinking*				
B. Physical Universe & Its Life Forms (12 units)				
B1. Physical Science & B3. Lab*	Met by major: PHYS 5A or 11A			
B2. Life Forms	*Recommend a 3-unit course*			
B4. Quantitative Reasoning*	Met by major: MATH 26A or 30			
B5. Upper Division GE*	Met by major: CSC 135			
C. Arts & Humanities (12 units)				
C1. Arts				
C2. Humanities				
Any Area C Course				
Upper Division GE*	*Recommend: Writing Intensive*			
D. The Individual & Society (12 units)				
U.S. History	*Recommend: HIST 17A or 17B*			
U.S. Constit., CA State, & Local Govt	*Recommend: POLS 1*			
Any Area D Course				
Upper Division GE*	Met by major: PHIL 103			
E. Understanding Personal Development (3 units)				
3 units of lower division courses*	First-Year Seminar or one 3-unit lower division Area E course.			

Computer Science Course Check List
Fall 2020-Spring 2021 Catalog
Disclaimer

The below list is not to be used to plan out your courses. It is only used as a check list to reflect your progress within your program. For course planning assistance, please speak with an academic advisor or faculty member to assist you.

All the courses on this list must be passed with a C- or better.

Lower Division Requirements

Code	Title	Pre-req	Units	☑
CSC 15	Programming Concepts & Methodology I	CSC 10A or programming experience	3	
CSC 20	Programming Concepts & Methodology II	CSC 15	3	
CSC 28	Discrete Structures for Computer Science	MATH 29 & CSC 20 (concurrently)	3	
CSC 35	Introduction to Computer Architecture	CSC 15	3	
CSC 60	Intro to Systems Programming in UNIX	CSC 20 & CSC 35	3	

Math Pathways & Math/Science Electives

Code	Title	Pre-req	Units	☑
MATH 26A	Calculus I for Social and Life Science	ALEKS PPL Score of 61 or higher or MATH 12	3	
Or MATH 30	Calculus I	ALEKS PPL Score of 76 or higher or MATH 29	4	
MATH 26B	Calculus II for Social and Life Science	MATH 26A	3	
Or MATH 31	Calculus II	MATH 30	4	
PHYS 5A	General Physics: Mechanics, Heat, Sound	3-years of high school algebra & geometry	4	
Or PHYS 11A	General Physics: Mechanics	MATH 30 & MATH 31 (concurrently)	4	
STAT 50	Introduction to Probability & Statistics	MATH 26A or MATH 30	4	
Or ENGR 115	Statistics For Engineers	MATH 31 (concurrently)	3	
Select 8 to 10 units of Math and Science Electives under the direction of a Faculty Advisor			8-10	

Upper Division Requirements

Code	Title	Pre-req	Units	☑
CSC 130	Data Structure and Algorithm Analysis	CSC 20 & CSC 28 (Concurrently)	3	
CSC 131	Computer Software Engineering	CSC 130 (Concurrently)	3	
CSC 133	Object-Orientated Computer Graphics	CSC 130 & CSC 131	3	
CSC 134	Database Management Systems	CSC 130	3	
CSC 135	Computer Theory and Programming	CSC 28, CSC 35, & CSC 130	3	
CSC 137	Computer Organization	CSC 28, CSC 35, & CSC 130	3	
CSC/CPE 138	Computer Networks and Internets	CSC 35, CSC 60, & CSC 130	3	
CSC 139	Operating Systems Principles	CSC 60, CSC 130, & CPE 185	3	
CSC 190	Senior Project: Part 1	CSC 130, CSC 131, and 4 upper division CSC courses	2	
CSC 191	Senior Project: Part 2	CSC 190	2	
PHIL 103	Business and Computer Ethics		3	
Select 2 units from the following under the direction of a Faculty Advisor				
CSC 192	Career Planning	CSC 130 & 3 upper division courses	1	
CSC 194	Computer Science Seminar	Upper division states in CSC	1	
CSC 195	Fieldwork in Computer Science	Instructor permission	1-4	
CSC195A	Professional Practice	Instructor permission	1-12	
CSC 198	Co-Curricular Activities in Computer Sci.		1-3	
CSC 199	Special Problems	Approval of faculty supervisor & advisor required	1-3	
Computer Science Major Electives				
Select 9 units of CSC courses 140 or above excluding the above courses under the advice of a Faculty Advisor			9	
		Total Units: 97		

Any Questions?
Please visit the ECS Student Success Center – Advising, Counseling, and Tutoring Center in Santa Clara 1213
Or the Computer Science Department in Riverside 3018
Hub for online student resources including major roadmaps, catalogs, Academic Advising Worksheets, Placement exams, and online resources: https://www.csus.edu/college/engineering-computer-science/student-success/student-resources.html