

**Bachelor's of Science in Computer Science
Four-Year Plan of Study (2018-2019)**



FIRST-YEAR	FALL		SPRING		
	Math 170: Calculus I	FM	4	Math 175: Calculus II	4
	COMM 101: Fundamentals of Communication	FS	3	CS 121: Computer Science I	4
	ENGL 101: Introduction To College Writing	FW	3	ENGL 102: Intro. to College Writing and Research	FW 3
	PHYS 211/L: Physics I w/ Calculus & Lab or CHEM 111/L: General Chemistry I & Lab	FN	4-5	Literature and Humanities*	FH 3-4
	CS-HU 130: Foundational Values		1		
	Semester Total		15-16	Semester Total	14-15

SOPHOMORE	FALL		SPRING		
	MATH 189: Discrete Mathematics		4	Math Elective*	3-4
	CS 221: Computer Science II		3	CS 321: Data Structures	3
	ENGL 202: Technical Communication	FS	3	CS 253: Intro. to Systems Programming	3
	UF 100: Foundations of Intellectual Life		3	ECE 230/L: Digital Systems & Lab	4
	CS-HU 153: Navigating Computer Systems		1	CS-HU 250: Introduction to Version Control	1
				CS-HU 271: Agile Development	1
				CS-HU 310: Intro to Database System Usage	1
Semester Total		14	Semester Total	16-17	

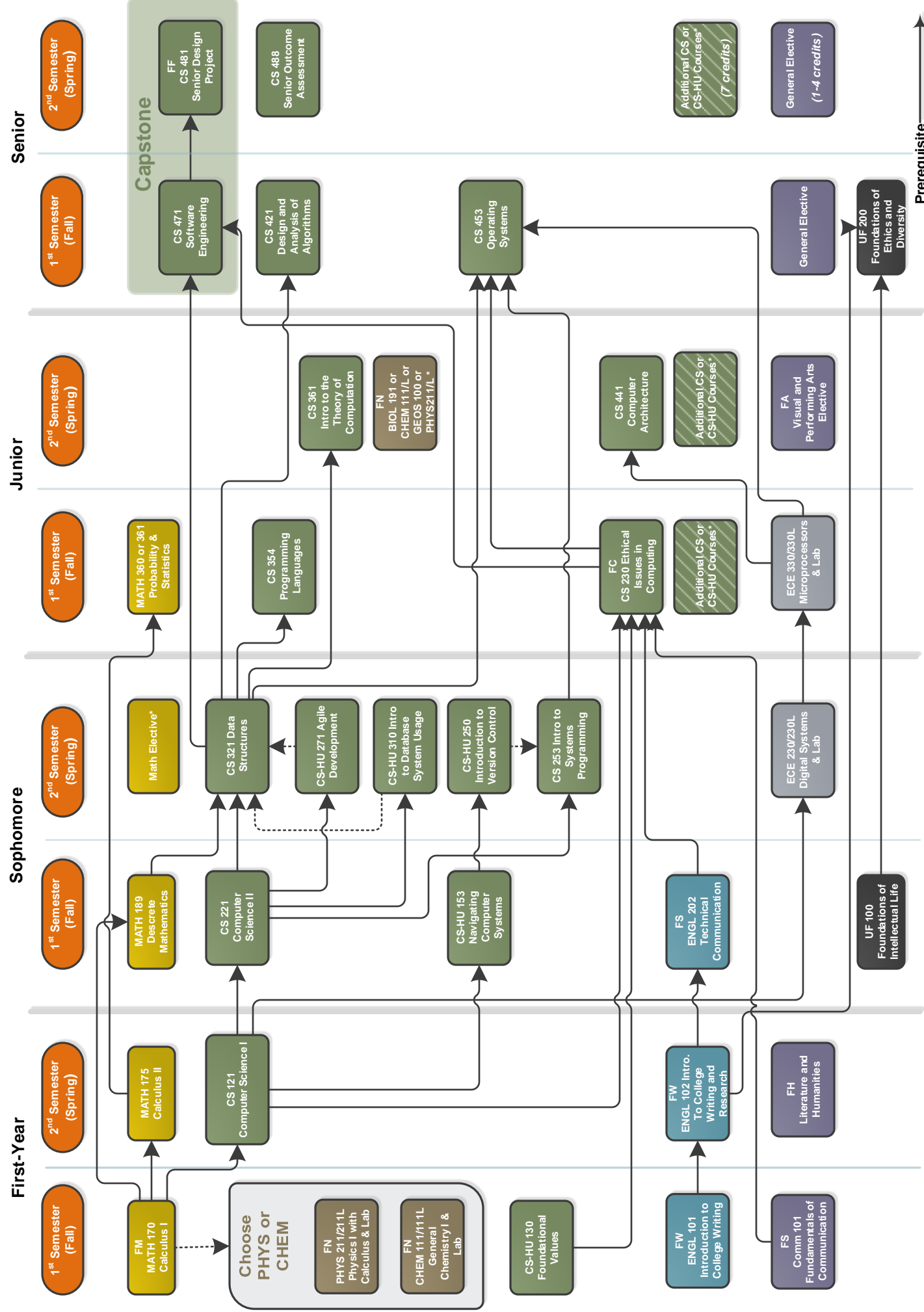
JUNIOR	FALL		SPRING		
	MATH 360: Engineering Statistics or MATH 361: Probability and Statistics I		3	CS 361: Intro. to the Theory Of Computation	3
	CS 230: Ethical Issues in Computing	FC	3	CS 441: Computer Architecture	3
	CS 354: Programming Languages		3	Additional CS or CS-HU Courses*	3
	ECE 330/L: Microprocessors & Lab		4	Visual And Performing Arts Elective*	FA 3
	Additional CS or CS-HU Courses*		3	BIOL 191 or CHEM 111/L or GEOS 100 or PHYS 211/L	FN 4-5
	Semester Total		16	Semester Total	16-17

SENIOR	FALL		SPRING		
	CS 453: Operating Systems		3	CS 481: Senior Design Project	FF 3
	CS 471: Software Engineering		3	CS 488: Senior Outcome Assessment	0
	CS 421: Design and Analysis of Algorithms		3	Additional CS or CS-HU Courses*	7
	General Elective		3	General Electives to Total 120 Credits	1-4
	UF 200: Foundations of Ethics and Diversity		3		
	Semester Total		15	Semester Total	11-14

*SEE CATALOG FOR ADDITIONAL REQUIREMENTS

TOTAL PROGRAM CREDITS 120

Boise State University Undergraduate Computer Science Pre-requisites, 2018-2019



* See Catalog for Additional Requirements

Prerequisite →
Corequisite →