

Bachelor's of Science in Computer Science
Four-Year Plan of Study (2020-2021)



FIRST-YEAR	FALL			SPRING		
	Math 170: Calculus I	<i>FM</i>	4	Math 175: Calculus II: Concepts and Applications		4
	COMM 101: Fundamentals of Oral Communication	<i>FC</i>	3	CS 121: Computer Science I		4
	ENGL 101: Writing and Rhetoric I	<i>FW</i>	3	ENGL 102: Writing and Rhetoric I	<i>FW</i>	3
	PHYS 211/L: Physics I w/ Calculus & Lab or CHEM 111/L: General Chemistry I & Lab	<i>FN</i>	4-5	UF 100: Foundations of Intellectual Life		3
	CS-HU 130: Foundational Values		1			
	Semester Total		15-16	Semester Total		14

SOPHOMORE	FALL		SPRING	
	MATH 189: Discrete Mathematics	4	Math Elective*	3-4
	CS 221: Computer Science II	3	CS 321: Data Structures	3
	ENGL 121: Technical Communication	3	CS 253: Intro. to Systems Programming	3
	UF 200: Foundations of Ethics and Diversity	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	

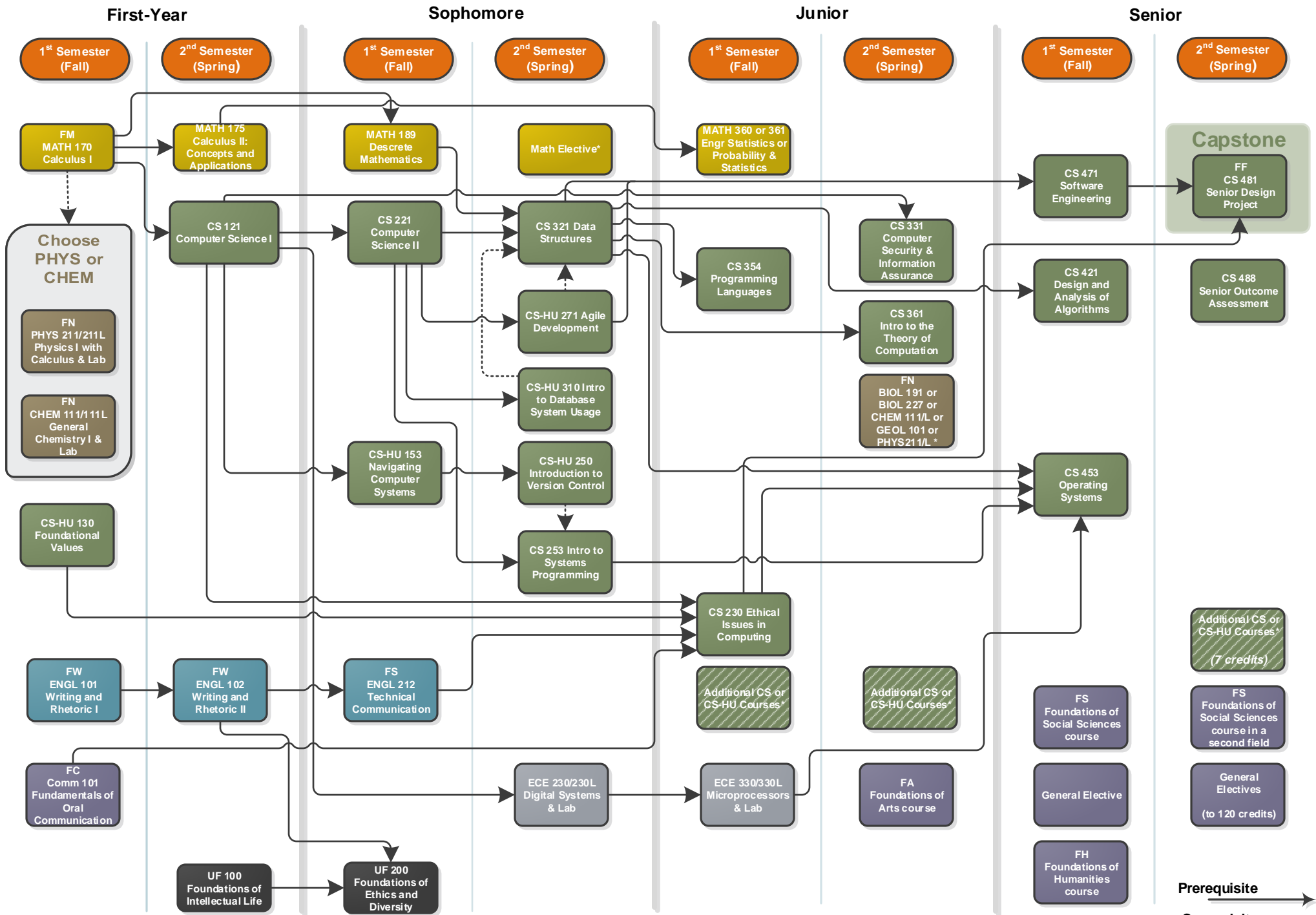
JUNIOR	FALL		SPRING	
	MATH 360: Engineering Statistics or MATH 361: Probability and Statistics I	3	CS 361: Intro. to the Theory of Computation	3
	CS 230: Ethical Issues in Computing	3	CS 331: Computer Security & Information Assurance	3
	CS 354: Programming Languages	3	Additional CS or CS-HU Courses*	3
	ECE 330/L: Microprocessors & Lab	4	Foundations of Arts Elective*	<i>FA</i> 3
	Additional CS or CS-HU Courses*	3	BIOL 191 or BIOL 227 or CHEM 111/L or GEOL 101 or PHYS 211/L	<i>FN</i> 4-5
Semester Total	16	Semester Total	16-17	

SENIOR	FALL		SPRING	
	CS 453: Operating Systems	3	CS 481: Senior Design Project	<i>FF</i> 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
	Foundations of Social Science	<i>FS</i> 3	Foundations of Social Science in 2 nd field	<i>FS</i> 3
	Foundations of Humanities*	<i>FH</i> 3-4	General Electives to Total 120 Credits	0-1
Semester Total	15-16	Semester Total	13-14	

*SEE CATALOG FOR ADDITIONAL REQUIREMENTS

TOTAL PROGRAM CREDITS 120

Boise State University Undergraduate Computer Science Pre-requisites, 2019-2020



* See Catalog for Additional Requirements

