

**Bachelor's of Science in Computer Science
Four-Year Plan of Study (2016-2017)**



FIRST-YEAR	FALL		SPRING	
	COMM 101: Fundamentals of Communication <i>DLS</i>	3	CS 121: Computer Science I	3
	ENGL 101: Introduction To College Writing	3	CS 121L: Computer Science I Lab	1
	Math 170: Calculus I <i>DLM</i>	4	PHIL 102: Classics of Western Philosophy <i>DLL</i>	3
	UF 100: Intellectual Foundations	3	Math 175: Calculus II	4
			ENGL 102: Intro. to College Writing and Research	3
Semester Total	13	Semester Total	14	

SOPHOMORE	FALL		SPRING	
	CS 221: Computer Science II	3	CS 230: Ethical Issues In Computing <i>CID</i>	3
	ENGL 202: Technical Communication <i>DLS</i>	3	CS 253: Intro. to Systems Programming	3
	UF 200: Civil and Ethical Foundations	3	ECE 230/L: Digital Systems & Lab	4
	PHYS 211/L: Physics I w/ Calculus & Lab or CHEM 111/L: General Chemistry I & Lab <i>DLN</i>	4-5	PHYS 212/L: Physics II w/ Calculus & Lab or CHEM 112/L: General Chemistry II & Lab	4-5
	MATH 189: Discrete Mathematics	4		
Semester Total	17-18	Semester Total	14-15	

JUNIOR	FALL		SPRING	
	CS 321: Data Structures	3	CS 361: Intro. to the Theory Of Computation	3
	CS 354: Programming Languages	3	CS 441: Computer Architecture	3
	ECE 330/L: Microprocessors & Lab	4	Additional CS Course*	3
	MATH 360: Engineering Statistics or MATH 361: Probability and Statistics I	3	BIOL 191 or CHEM 111/L or GEOS 100 or PHY 211/L <i>DLN</i>	4-5
	Visual And Performing Arts Elective* <i>DLV</i>	3	Math Elective*	3-4
Semester Total	16	Semester Total	16-18	

SENIOR	FALL		SPRING	
	CS 453: Operating Systems	3	CS 481: Senior Design Project	3
	CS 471: Software Engineering	3	CS 488: Senior Outcome Assessment	0
	CS 421: Design and Analysis of Algorithms	3	Two Additional CS Courses*	6
	Additional CS Course*	3	CS 498: Seminar <i>FF</i>	1
	General Elective	3	General Electives to Total 120 Credits	2-5
Semester Total	15	Semester Total	12-15	

*SEE CATALOG FOR ADDITIONAL REQUIREMENTS

TOTAL PROGRAM CREDITS 120

Boise State University Undergraduate Computer Science Pre-requisites, 2016-2017

