

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



**Major Curriculum changes will be implemented. Students starting Fall 2017
are advised to follow this 18-19 Degree Plan**

FIRST-YEAR	FALL			SPRING		
	Math 170: Calculus I	<i>DLM</i>	4	Math 175: Calculus II		4
	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
	PHYS 211/L: Physics I w/ Calculus & Lab or CHEM 111/L: General Chemistry I & Lab	<i>DLN</i>	4-5	ENGL 102: Intro. to College Writing and Research		3
	CS-HU 130: Foundational Values		1	Literature and Humanities*	<i>DLL</i>	3-4
	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	<i>DLS</i>	3	CS 253: Intro. to Systems Programming		3
	UF 100: Intellectual Foundations		3	ECE 230/L: Digital Systems & Lab		4
	CS-HU 153: Navigating Computer Systems		1	CS-HU 250: Version Control		1
				CS-HU 271: Agile Development		1
				CS-HU 310: Intro to Database 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	<i>CID</i>	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*	<i>DLV</i>	3
	Additional CS or CS-HU Courses*		3	BIOL 191 or CHEM 111/L or GEOS 100 or PHYS 211/L	<i>DLN</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
	General Elective		3	General Electives to Total 120 Credits		1-4
	UF 200: Civil and Ethical Foundations		3			
Semester Total		15	Semester Total		11-14	

*SEE CATALOG FOR ADDITIONAL REQUIREMENTS

TOTAL PROGRAM CREDITS 120

Available Fall 17 Available Spring 18 Available Fall 18