

**Bachelor's of Science in Computer Science  
Four-Year Plan of Study**

<b>FRESHMAN</b>	<b>FALL</b>		<b>SPRING</b>	
	MATH 187: Discrete & Foundational Mathematics	4	COMPSCI 125: Introduction to Computer Science I	4
	ENGL 101: English Composition	3	MATH 170: Calculus I	4
	COMM 101: Fundamentals of Speech Communication	3	ENGL 102: English Composition	3
	GENERAL ELECTIVE (e.g. COMPSCI 120)	3	ENGR 102: The Ethical Dimensions of Technology -or- PHIL 101: Introduction to Philosophy	3
	AREA I ELECTIVE*	3	AREA II ELECTIVE*	3
<i>Semester total</i>	<i>16</i>	<i>Semester total</i>	<i>17</i>	

<b>SOPHOMORE</b>	<b>FALL</b>		<b>SPRING</b>	
	COMPSCI 225: Introduction to Computer Science II	4	COMPSCI 230: Ethical Issues in Computing	2
	MATH 175: Calculus II	4	COMPSCI 253: Object-Oriented Program Development in C	2
	PHYS 211: Physics I –or– CHEM 111/L: General Chemistry I & Lab	4-5	ECE 230/L: Digital Systems & Lab	4
	ENGL 202: Technical Writing	3	PHYS 212: Physics II –or– CHEM 112/L: General Chemistry II & Lab	5
	AREA I ELECTIVE*	3	AREA II ELECTIVE*	3
<i>Semester total</i>	<i>18-19</i>	<i>Semester total</i>	<i>16</i>	

<b>JUNIOR</b>	<b>FALL</b>		<b>SPRING</b>	
	COMPSCI 342: Data Structures & Algorithms	4	COMPSCI 441: Computer Architecture	3
	COMPSCI 354: Programming Languages	3	COMPSCI ELECTIVE*	3-4
	ECE 332/L: Microprocessors & Lab	4	MATH ELECTIVE*	3-4
	MATH 361: Probability and Statistics	4	SCIENCE ELECTIVE*	3-4
	GENERAL ELECTIVE*	2	AREA I ELECTIVE	3
<i>Semester total</i>	<i>17</i>	<i>Semester total</i>	<i>15-18</i>	

<b>SENIOR</b>	<b>FALL</b>		<b>SPRING</b>	
	COMPSCI 453: Operating Systems	4	COMPSCI 450: Programming Language Translation	4
	COMPSCI 461: Theory of Computation	3	COMPSCI 498: Seminar	1
	COMPSCI 471: Software Engineering	3	COMPSCI ELECTIVE*	3-4
	AREA II ELECTIVE	3	COMPSCI 488: Senior Outcome Assessment	0
	GENERAL ELECTIVE	3	GENERAL ELECTIVE	5-7
<i>Semester total</i>	<i>16</i>	<i>Semester total</i>	<i>13-16</i>	

*Total Program Credits 128-135*

\*See Catalog for Additional Requirements.