

Bachelor of Science in Computer Science	
MAJOR REQUIREMENTS/COMPUTER SCIENCE: 45 Credits	Credits
CS-104: Introduction Problem Solving and Software Development	3.0
CS-175: Introduction to Computer Science I	3.0
CS-175L: Introduction to Computer Science I Lab	1.0
CS-176: Introduction to Computer Science II	3.0
CS-176L: Introduction to Computer Science II Lab	1.0
CS-205: Data Structures and Algorithms	3.0
CS-205L: Data Structures and Algorithms Lab	1.0
CS-286: Computer Architecture I	3.0
CS-325: Software Engineering Concepts	3.0
CS-310: Advanced Object Oriented Programming/Design	3.0
CS-432: Database Systems	3.0
CS-438: Operating Systems Analysis	3.0
CS-492A: Computer Science Senior Project A	3.0
CS-492B: Computer Science Senior Project B	3.0
<b>Take 6 Credits of Computer Science 200+ level:</b>	6.0
CS-200+: <u>(See Exceptions*)</u>	
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<i>*Except the following courses: CS-288, CS-388, CS-488, CS-212, CS-222, CS-302, CS-312, CS-316, CS-320, CS-322, and CS-330</i>	
<b>Take 3 Credits of Computer Science 400+ level:</b>	3.0
CS-400+: <u>(Except CS488)</u>	
INTERDISCIPLINARY REQUIREMENTS: 29 Credits	Credits
MA-125: Calculus with Analytic Geometry I	4.0
MA-126: Calculus with Analytic Geometry II	4.0
MA-130: Discrete Math	3.0
MA-220: Probability and Statistics I	3.0
<b>Take 8 credits from ONE of the Following Groups:</b>	8.0
CE-111/CE-111L: General Chemistry I/Lab <b>AND</b>	
CE-112/CE-112L: General Chemistry II/Lab	
<b>*OR*</b>	
PH-211/PH-211L: General Physics with Calculus I/Lab <b>AND</b>	
PH-212/PH-212L: General Physics with Calculus II/Lab	
<b>*OR*</b>	
BY-109: Introduction to Biodiversity and Evolution <b>AND</b>	
BY-110: Introduction to Cell and Molecular Biology	
<b>Take 4 additional credits (not taken above) from the following courses:</b>	4.0
BY-109: Introduction to Biodiversity and Evolution	
BY-111: Anatomy and Physiology I	
BY-223: General Microbiology	
CE-111 and CE-111L: General Chemistry I and Lab	
CE-220 and CE-220L: Environmental Chemistry and Lab	
CE-221 and CE-221L: Quantitative Analysis and Lab	
CE-241 and CE-241L: Organic Chemistry I and Lab	
PH-211 and PH-211L: General Physics with Calculus I and Lab	
<b>Take 3 Credits from the following courses:</b>	3.0
PH-301, PH-302, BY-201, BY-205, BY-214, BY-220, BY-221, MA-311, MA-318, MA-221, MA-225, or MA-320	
FREE ELECTIVES: 21 Credits	Credits
	21.0

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GENERAL EDUCATION REQUIREMENTS: 33 Credits		Credits
First Year Seminar	FY-101: First Year Seminar	3.0
Reading and Writing	EN-101: College Composition I	3.0
	EN-102: College Composition II	3.0
Mathematics	Fulfilled in Interdisciplinary Requirements with MA-125 or MA-126	0.0
Natural Sciences	Fulfilled in Interdisciplinary Requirements with required courses	0.0
Literature	3 Credits from courses designated with Course*Type: LIT	3.0
Aesthetics and Creativity	3 Credits from Art, Music, Theatre, or Dance	3.0
Technological Literacy	Fulfilled in Major Requirements with CS-104	0.0
Reasoned Oral Discourse	Fulfilled in Interdisciplinary Requirements with CS-492A & CS-492B	0.0
Historical Perspective	3 Credits from courses designated with Course*Type: HS.SV	3.0
Social Science	3 Credits from courses designated with Course*Type: SS.SV	3.0
Historical Perspective/Social Sciences	3 Credits from courses designated with Course*Type: HS.SV	3.0
	<b>or</b> 3 Credits from courses designated with Course*Type: SS.SV	
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0
Cultural Diversity and Global Understanding or Foreign Language	3 Credits from courses designated with Course*Type: CD	6.0
	<b>and</b> 3 Credits from courses designated with Course*Type: GU	
	<b>or</b> 6 Credits from the SAME foreign language	
Experiential Education	One course designated with Course*Type: EX	0.0
Writing Intensive	Two courses from Computer Science (CS) designated	0.0
	with Course*Type: WT	0.0

**Minimum Credits for Bachelor of Science in Computer Science = 128.0**

**NOTES:**

\* 58 credits must be completed at the 200 level or higher.