Bachelor of Science in Software Engineering	
MAJOR REQUIREMENTS/SOFTWARE ENGINEERING: 36 Credits	Credits
SE104: Introduction to Software Engineering SE205: Requirements Engineering and Specifications SE207: Software Design and Architecture SE306: Formal Methods in Software Engineering SE312: Software Verification, Validation, and Maintenance SE402: Human-Computer Interaction	3.0 3.0 3.0 3.0 3.0 3.0
SE402: Profile Process Improvement SE418: Software Project Management	3.0 3.0
Take 6 Credits in Software Engineering:	3.0
SE-xxx:	3.0
PRACTICUM: SE485A: Software Practicum SE485B: Software Practicum	6.0
REQUIREMENTS OUTSIDE MAJOR: 65 Credits	Credits
	2.0
BE201: Microeconomics BM250: Principles of Management and Organizational Behavior BM311: Management of Information Systems	3.0 3.0 3.0
CS102: Introduction to Computing and Problem Solving CS175: Introduction to Computer Science I CS176: Introduction to Computer Science II CS286: Computer Architecture I CS205: Data Structures and Algorithms CS438: Operating Systems Analysis	4.0 4.0 3.0 4.0 4.0
MA130: Applied Discrete Mathematics MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II MA319: Probability and Statistics I PR432: Ethics and Professionalism in Science and Engineering	3.0 4.0 4.0 3.0 3.0
PH211: General Physics with Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II Lab	4.0 1.0 4.0 1.0
Take 6 credits from the following Math/Science Courses:MA211: Differential EquationsMA211: Linear AlgebraMA225: Calculus with Analytic Geometry IIIMA320: Probability and Statistics IICE111 and CE111L*: General Chemistry I and Lab*CE112 and CE112L*: General Chemistry II and Lab*BY109: Introduction to Biodiversity and EvolutionBY110: Introduction to Cell and Molecular BiologyPH301: Modern PhysicsPH302: Applied Physics*Lab courses are 1 credit each	6.0

Bachelor of Science in Software Engineering			
GENERAL EDUCATION REQU	IREM	ENTS: 27 Credits	Credits
First Year Seminar		FY-101: First Year Seminar	3.0
Reading and Writing		EN101: College Composition I EN102: College Composition II	3.0 3.0
Mathematics		Fulfilled in Outside Major Requirements with required MA courses	0.0
Natural Sciences		Fulfilled in Outside Major Requirements with required PH 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 Outside Major Requirements with CS102	0.0
Reasoned Oral Discourse		Fulfilled in Major Requirements with SE485A or SE485B	0.0
Historical Perspective		3 Credits from courses designated with Course*Type: HS.SV	3.0
Social Science		Fulfilled in Outside the Major Requirements with BE201	0.0
Historical Perspective/Social Sciences	or	3 Credits from courses designated with Course*Type: HS.SV 3 Credits from courses designated with Course*Type: SS.SV	3.0
Interdisciplinary Perspectives		Fulfilled in Outside Major Requirements with PR432	0.0
Cultural Diversity and Global Understanding or Foreign Language	and or	3 Credits from courses designated with Course*Type: CD 3 Credits from courses designated with Course*Type: GU 6 Credits from the SAME foreign language	6.0
Experiential Education		Fulfilled in Major Requirements with SE485B	0.0
Writing Intensive		Two courses from Software Engineering (SE) designated with Course*Type: WT	0.0 0.0

Minimum Credits for Bachelor of Science in Software Engineering = 128.0

## NOTES:

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