B.S. in Computer Science - Track 'A' - Advanced Computing			
MAJOR REQUIREMENTS/COMPUTER SCIENCE: 51 Credits			
	CS120: Foundations of Computer Science	4.0	
	CS175: Introduction to Computer Science 1	4.0	
	CS176: Introduction to Computer Science II	4.0	
	CS202: Discrete Math and Applications	4.0	
	CS286: Computer Architecture I	3.0	
	CS305: Data Structures and Algorithms	4.0	
	CS325: Software Engineering Concepts	3.0	
	CS310: Advanced Object Oriented Programming/Design	4.0	
	CS432: Database Systems	4.0	
	CS438: Operating Systems Analysis	4.0	
	CS490: Senior Project	4.0	
6 credits of CS Electives	(except CS288, CS388, CS488)		
from 200+ level	CS200+:	3.0	
	CS200+:	3.0	
3 credits of CS Electives	(except CS 488)		
from 400+ level	CS400+:	3.0	
REQUIREMENTS OUTSIDE MAJOR: 26 Credits			
	MA125: Calculus with Analytic Geometry I	4.0	
	MA126: Calculus with Analytic Geometry II	4.0	
	MA319: Probability and Statistics I	3.0	
12 credits from subjects	BY111: Anatomy and Physiology I <u>AND</u>		
BY, CE, PH	BY112: Anatomy and Physiology II		
	or		
Take one Group:	CE111/CE111L: General Chemistry I/Lab AND		
·	CE112/CE112L: General Chemistry II/Lab		
	or		
	PH105/PH105L: Physics and Life Science I/Lab AND		
	PH106/PH106L: Physics and Life Science II/Lab		
	or		
	PH211/PH211L: General Physics with Calculus I/Lab AND		
	PH212/PH212L: General Physics with Calculus II/Lab		
	or		
	BY109: Introduction to Biodiversity and Evolution AND		
	BY110: Introduction to Cell and Molecular Biology	8.0	
Select one additional science	(except BY101, BY104, BY105, CE101, or PH101)		
course:	BY/CE/PH-XXX:	4.0	
3 credits from subjects	(*MA-XXX course must be beyond MA118)		
BY, CE, PH, MA*	BY/CE/PH/MA-XXX:	3.0	
FREE ELECTIVES: 15 Credits			
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B.S. in Computer Science - Track 'A' - Advanced Computing			
GENERAL EDUCATION REQUIR	REMENTS: 36 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 MA125 or MA126	0.0	
Natural Sciences	Fulfilled in Outside Major 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	CS102: Applied Computing for Problem Solving	3.0	
Reasoned Oral Discourse	Fulfilled in Outside Major Requirements with CS490	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 Credits from courses designated with Course*Type: SS.SV	3.0	
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0	
Cultural Diversity/Global Understanding	3 Credits from courses designated with Course*Type: CD 3 Credits from courses designated with Course*Type: GU or 6 Credits from the SAME foreign language	6.0	
Experiential Education	One course designated with Course*Type: EX	0.0	
Writing Intensive	Two courses from Computer Science (CS) designated with Course*Type: WT	0.0	

Total Credits for B.S. in Computer Science - Track 'A' - Advanced Computing = 128

NOTES:

^{* 58} credits must be completed at the 200 level or higher.