Bachelor of Science in Computer Science with a Concentration in Applied Computing			
MAJOR REQUIREMENTS/COMPUTER SCIENCE: 51 Credits	Credits		
CS-102: Introduction to Computing and Problem Solving	4.0		
CS-175: Introduction to Computer Science I	4.0		
CS-176: Introduction to Computer Science II	4.0		
CS-202: Discrete Math and Applications	4.0		
CS-286: Computer Architecture I	3.0		
CS-205: Data Structures and Algorithms	4.0		
CS-325: Software Engineering Concepts	3.0		
CS-310: Advanced Object Oriented Programming/Design	4.0		
CS-432: Database Systems	4.0		
CS-438: Operating Systems Analysis	4.0		
CS-490: Senior Project	4.0		
Take 6 Credits of Computer Science (CS) at the 200+ level:  CS-200+: (See Exceptions*)  CS-200+: (See Exceptions*)  *Except the following courses: CS-288, CS-388, CS-488	6.0		
Take 3 Credits of Computer Science (CS) at the 400+ level:  CS-400+: (Except CS-488)	3.0		
INTERDISCIPLINARY REQUIREMENTS: 4 Credits	Credits		
Take 4 Credits of Mathematics (MA) from the following courses:  MA-109: Pre-calculus Mathematics  or MA-xxx*:  *(except MA-100, MA-101, MA-103, MA-105, MA-107, MA-120, MA-130, MA-203, MA-204, or MA-23	4.0		
FREE ELECTIVES: 34 Credits	Credits		
	34.0		

## **MONMOUTH UNIVERSITY CURRICULUM CHART**

## Bachelor of Science in Computer Science with a Concentration in Applied Computing

ENERAL EDUCATION REQUIREMENTS: 39 Credits		Credits
First Year Seminar	FY-101: First Year Seminar	3.0
Reading and Writing	EN-101: College Composition I EN-102: College Composition II	3.0 3.0
Mathematics	Fulfilled inInterdisciplinary Requirements with MA-109 or higher	0.0
Natural Sciences	6 Credits from subjects BY, CE, PH, or SC	6.0
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-102	0.0
Reasoned Oral Discourse	Fulfilled in Interdisciplinary Requirements with CS-490	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 or 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 and Global Understanding or Foreign Language	3 Credits from courses designated with Course*Type: CD and 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 0.0

Minimum Credits for Bachelor of Science in Computer Science with a Concentration in Applied Computing = 128.0

## NOTES:

<sup>\* 58</sup> credits must be completed at the 200 level or higher.