MONMOUTH UNIVERSITY CURRICULUM CHART

B.S. in Computer Science Track 'A' - Advanced Computing		Credits
MAJOR REQUIREMENTS/COMPUTER SCIENCE: 51 Credits		**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
3 credits of Computer Science electives at 200-level or above	CS200+: _____ *(except CS288, CS388, CS488)*	3.0
6 credits of Computer Science electives at 400-level or above	CS400+: _____	3.0
	CS400+: _____ *(except CS 488)*	3.0
REQUIREMENTS OUTSIDE OF 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
	Take one group: BY 111 and BY 112 **or** CE111, CE111L and CE112, CE112L **or** PH105, PH105L and PH106, PH106L **or** PH211, PH211L and PH212, PH212L **or** BY110 and one from: BY203, BY204, BY213, BY210,BY214	8.0
	Take 12 credits from BY, CE, PH, including the coursework listed above, except BY101, BY104, BY105, CE101, or PH101	4.0
	Take 3 additional credits from BY, CE, PH or MA (beyond MA118)	3.0
FREE ELECTIVES: 9 Credits		**Credits**
	_____	3.0
	_____	3.0
	_____	3.0

M O N M O U T H   U N I V E R S I T Y

Curriculum Chart 2008-2009

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B.S. Computer Science
Track 'A' - Advanced Computing

GENERAL EDUCATION REQUIREMENTS: 42 Credits		Credits
English	EN101: College English I	3.0
	EN102: College English II	3.0
Literature	EN201: Literature I	3.0
	EN202: Literature II	3.0
History	HS101: Western Civilization In World Perspective I	3.0
	HS102: Western Civilization In World Perspective II	3.0
Information Technology	CS102: Scientific Computer Applications	3.0
Critical Discourse	HU201: Critical Discourse	3.0
Science	Fulfilled in Requirements Outside the Major	0.0
Issues and Methods	Fulfilled in Requirements Outside the Major	0.0
Mathematics	Fulfilled in Requirements Outside the Major	0.0
Social Science	Choose two courses from 2 different disciplines from among the following: any 100-level courses in AN, GO, PS, PY, SO; BE201, BE202, GS225.	3.0 3.0
Aesthetics	AR101: Art Appreciation	
	or MU101: Music Appreciation	3.0
	or TH101: Theater Appreciation	
	or DA101: Dance Appreciation	
Cross Cultural	Two courses chosen from the set of approved courses	3.0
	or 6 credits in the same foreign language	3.0
Perspectives	PRxxx	3.0
Experiential Education	EX001	0.0
Demonstration of Writing Proficiency	WP001	0.0
Writing Intensive Requirement	Two courses as specified by the department in which the major is housed.	0.0 0.0

TOTAL CREDITS FOR B.S. IN COMPUTER SCIENCE TRACK 'A' = 128.0

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

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