MONMOUTH UNIVERSITY

Office of Registration and Records

2010 * 2011 Sequence Chart

CS11.A.GE11	B.S. IN COMPUTER SCIENCE - TRACK A ADVANCED COMPUTING

SEMESTER 1

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
CS102	YES	TL	INTRO. TO COMP. PROB. SOLV. (GEN*ED TECH. LITERACY)	4.0
CS175			INTRO TO COMP. SCIENCE I	4.0
HS*xxx	YES	HS.SV	GEN*ED HISTORICAL PERSPECTIVES	3.0
FY101	YES		FIRST YEAR SEMINAR	3.0
SEMESTER CREDITS				17.0

SEMESTER 2

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
AR, MU, TH, DA	YES		GEN*ED AESTHETICS	3.0
CS176			INTRO. TO COMPUTER SCIENCE II	4.0
xxx	YES	HS.SV or SS.SV	GEN*ED HISTORICAL PERSPECTIVE or SOCIAL SCIENCE	3.0
MA109	YES		PRE-CALCULUS (if needed) (Otherwise , free elective)	4.0
SEMESTER CREDITS				17.0

SEMESTER 3

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS305			DATA STRUCTURES & ALGORITHMS	4.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE SURVEY	3.0
CS202			DISCRETE MATH	4.0
MA125			CALCULUS WITH ANAL. GEO. I	4.0
SEMESTER CREDITS				15.0

SEMESTER 4

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx			FREE ELECTIVE	3.0
CS286			COMPUTER ARCHITECTURE I	3.0
MA126			CALCULUS WITH ANAL. GEO. II	4.0
EN*xxx	YES	LIT	GEN*ED LITERATURE	3.0
xxx			FREE ELECTIVE	3.0
SEMESTER CREDITS				16.0

SEE CURRICULUM CHART or DEGREE AUDIT FOR COMPLETE TITLE OF ALL COURSES. BE CERTAIN TO CONSULT WITH YOUR ADVISOR.

SEE WEBadvisor "SECTIONS OFFERED BY TERM" FOR COMPLETE LISTING OF COURSES WITH ASSOCIATED COURSE*TYPES.

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2011*2012 Sequence Chart

CS11.A.GE11	B.S. IN COMPUTER SCIENCE - TRACK A ADVANCED COMPUTING

SEMESTER 5

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS310	YES	WT	OBJECT-ORIENTED PROGRAM. (GEN*ED WRITING INTENSIVE)	4.0
CS200+			COMPUTER SCIENCE ELECTIVE	3.0
MA319			PROBABLILITY & STATS. I	3.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
LAB SCIENCE	YES		OUTSIDE THE MAJOR SCIENCE SEE CURRICULUM CHART (GEN*ED NATURAL SCIENCE)	4.0
SEMESTER CREDITS				**17.0**

SEMESTER 6

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
CS438			OPERATING SYSTEMS ANALYSIS	4.0
CS200+			COMPUTER SCIENCE ELECTIVE	3.0
xxx (Lab Sci.)	YES		OUTSIDE THE MAJOR SCIENCE SEE CURRICULUM CHART (GEN*ED NATURAL SCIENCE)	4.0
xxx	YES	ISP	GEN*ED INTERDISCIPLINARY PERSPECTIVES	3.0
SEMESTER CREDITS				**17.0**

SEMESTER 7

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS432			DATABASE SYSTEMS	4.0
CS325	YES	WT	SOFTWARE ENG. CONCEPTS (GEN*ED WRITING INTENSIVE)	3.0
BY, CE, PH			OUTSIDE THE MAJOR SCIENCE	4.0
xxx	YES	EX	GEN*ED EXPERIENTIAL ED	1.0
xxx			FREE ELECTIVES	3.0
SEMESTER CREDITS				**15.0**

SEMESTER 8

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS490	YES	RD	SENIOR PROJECT (GEN*ED REASONED ORAL DISC.)	4.0
CS400+			COMPUTER SCIENCE ELECTIVES	3.0
xxx			FREE ELECTIVES	4.0
BY, CE, PH, MA			OUTSIDE THE MAJOR MATH-SCIENCE REQUIREMENT	3.0
SEMESTER CREDITS				**14.0**