MONMOUTH UNIVERSITY

Office of the Registrar

2014*2015 Sequence Chart

CS14.A.GE14	B.S. IN COMPUTER SCIENCE WITH A CONCENTRATION IN 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.	4.0
AR, MU, TH, DA	YES		GEN*ED AESTHETICS	3.0
HS*xxx	YES	HS.SV	GEN*ED HISTORICAL PERSPECTIVES	3.0
FY101	YES		FIRST YEAR SEMINAR	3.0
SEMESTER CREDITS				16.0

SEMESTER 2

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
xxx			FREE ELECTIVE	3.0
CS175			INTRO. TO COMPUTER SCIENCE I1	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.
CS176			INTRO. TO COMPUTER SCIENCE II	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.
CS205			DATA STRUCTURES & ALGORITHMS	4.0
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				17.0

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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SEMESTER 5

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS310	YES	WT	OBJECT-ORIENTED PROGRAM.	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	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
LAB SCIENCE	YES		OUTSIDE THE MAJOR SCIENCE SEE CURRICULUM CHART	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	3.0
BY, CE, PH			OUTSIDE THE MAJOR SCIENCE	4.0
xxx	YES	EX	FREE ELECTIVES (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	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**