

**MONMOUTH UNIVERSITY**

Office of the Registrar

2019\*2020 Sequence Chart

**CS.BS.19**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
CS104	YES	TL	INTRO. TO PROB. SOLV. & SOFT. DEVELOP.	3.0
AR, MU, TH, DA	YES	AT	GEN*ED AESTHETICS	3.0
HS*xxx	YES	HS.SV	GEN*ED HISTORICAL PERSPECTIVES	3.0
FY101	YES		FIRST YEAR SEMINAR	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS176			INTRO. TO COMPUTER SCIENCE II	3.0
CS176L			INTRO TO COMP. SCI. II LAB	1.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE SURVEY	3.0
MA130			DISCRETE MATH	3.0
MA125			CALCULUS WITH ANAL. GEO. I	4.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**BS IN COMPUTER SCIENCE**

**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 I	3.0
CS175L			INTRO. TO COMPUTER SCIENCE I LAB	1.0
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
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**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
CS205			DATA STRUCTURES & ALGORITHMS	3.0
CS205L			DATA STRUCT. & ALGOR. LAB	1.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

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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**BS IN COMPUTER SCIENCE**

**SEMESTER 5**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS310	YES	WT	OBJECT-ORIENTED PROGRAM.	3.0
CS200+			COMPUTER SCIENCE ELECTIVE	3.0
MA220			PROBABLILITY & STATS. I	3.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
LAB SCIENCE	YES	NS	OUTSIDE THE MAJOR SCIENCE SEE CURRICULUM CHART	4.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**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	3.0
CS200+			COMPUTER SCIENCE ELECTIVE	3.0
LAB SCIENCE	YES	NS	OUTSIDE THE MAJOR SCIENCE SEE CURRICULUM CHART	4.0
xxx			FREE ELECTIVES	4.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS432			DATABASE SYSTEMS	3.0
CS325	YES	WT	SOFTWARE ENG. CONCEPTS	3.0
BY, CE, PH			OUTSIDE THE MAJOR SCIENCE	4.0
CS492A	YES	RD	CS SENIOR PROJECT	3.0
xxx	YES	EX	FREE ELECTIVES	1.0
xxx			FREE ELECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS400+			COMPUTER SCIENCE ELECTIVES	3.0
xxx	YES	ISP	GEN*ED INTERDISCIPLINARY PERSPECTIVES	3.0
BY, CE, PH, MA			OUTSIDE THE MAJOR MATH-SCIENCE REQUIREMENT	3.0
CS492B	YES	RD	CS SENIOR PROJECT	3.0
<b>SEMESTER CREDITS</b>				<b>12.0</b>