

MONMOUTH UNIVERSITY

Office of the Registrar

2019*2020 Sequence Chart

SE.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 or 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
SEMESTER CREDITS				15.0

SEMESTER 3

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS176			INTRO. TO COMPUTER SCIENCE II	3.0
CS176L			INTRO. TO COMP. SCIENCE II LAB	1.0
EN*xxx	YES	LIT	GEN*ED LITERATURE	3.0
MA125			CALCULUS WITH ANAL. GEOM. I	4.0
SE205			SOFTWARE REQUIREMENTS	3.0
BE201	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
SEMESTER CREDITS				17.0

B.S. IN SOFTWARE ENGINEERING

SEMESTER 2

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
xxx	YES	HS.SV or SS.SV	GEN*ED HIST. PERSPECTIVE or SOCIAL SCIENCE SURVEY	3.0
MA130	YES		DISCRETE MATH APPLICATIONS	3.0
CS175			INTRO. TO COMPUTER SCIENCE I	3.0
CS175L			INTRO. TO COMP. SCI I LAB	1.0
xxx			FREE ELECTIVES	3.0
SEMESTER CREDITS				16.0

SEMESTER 4

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS205			DATA STRUCTURES & ALGORITHMS	3.0
CS205L			DATA STRUCT. & ALGORITHMS LAB	1.0
BM250			PRINCIPLES OF MGMT. & ORG. BEHAVIOR	3.0
MA126			CAL WITH/ANALYTICAL GEOM. II	4.0
CS286			COMPUTER ARCHITECTURE I	3.0
SE207	YES	WT	SOFTWARE DESIGN ARCH	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.
SE312			SOFTWARE VER. VAL. & MAINT.	3.0
MA220			PROBABLILITY AND STATISTICS	3.0
PH211 & PH211L	YES	NS	PHYSICS I AND LAB	5.0
SE351			MICROPROCESSOR LABORATORY	3.0
xxx			FREE ELECTIVES	2.0
SEMESTER CREDITS				16.0

SEMESTER 7

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx			MATH/SCIENCE ELECTIVE	3.0
SE306			FORMAL METHODS IN S.E.	3.0
IT450			INFO. SYS. PROJ. MGMT.	3.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
SE485A	YES	RD	SOFTWARE PRACTICIUM	3.0
SEMESTER CREDITS				15.0

B.S. IN SOFTWARE ENGINEERING

SEMESTER 6

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
SE403			SOFTWARE PROCESS IMPROV.	3.0
PH212 & PH212L	YES	NS	GEN PHYSICS W/CALC. II	5.0
SE418	YES	WT	PROJECT MANAGEMENT	3.0
SE357			ENGINEERING WEB-BASED SYSTEMS	3.0
SEMESTER CREDITS				17.0

SEMESTER 8

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE402			HUMAN-COMPUTER INTERACT.	3.0
CS438			OPER. SYSTEMS ANALYSIS	3.0
xxx			MATH/SCIENCE ELECTIVE	3.0
PRxxx	YES	ISP	SEE OUTSIDE THE MAJOR REQUIREMENTS	3.0
SE485B	YES	EX	SOFTWARE PRACTICIUM	3.0
SEMESTER CREDITS				15.0