

MONMOUTH UNIVERSITY

Office of the Registrar

2017*2018 Sequence Chart

FIVE YEAR PLAN: B.S. IN SOFTWARE ENGINEERING AND A MASTER OF SCIENCE IN SOFTWARE ENGINEERING

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. SOLVING	4.0
AR,MU, TH or DA101	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
TOTAL CREDITS				17.0

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. PERSPEC. Or SOCIAL SCIENCE SURVEY	3.0
MA130	YES		DISCRETE MATH APPLICATIONS	3.0
CS175			INTRO. TO COMPUTER SCIENCE I	4.0
SE104			INTRODUCTION TO SOFTWARE ENGINEERING	3.0
TOTAL CREDITS				16.0

SEMESTER 3

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

SEMESTER 4

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS205			DATA STRUCTURES & ALGORITHMS	4.0
BM250			MGMT. & ORGAN. BEHAVIOR	3.0
MA126			CALCULUS WITH ANALYTICAL GEOMETRY II	4.0
CS286			COMPUTER ARCHITECTURE I	3.0
SE207	YES	WT	SOFTWARE DESIGN ARCH	3.0
TOTAL 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 (GEN*ED NATURAL SCIENCE)	5.0
SExxx			SOFTWARE ENGINEERING	3.0
SEMESTER CREDITS				14.0

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 (GEN*ED NATURAL SCIENCE)	5.0
SE418	YES	WT	PROJECT MANAGEMENT	3.0
SExxx			SOFTWARE ENGINEERING ELEC.	3.0
SEMESTER CREDITS				17.0

SEMESTER 7

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx			MATH/SCIENCE ELECTIVE	3.0
SE306			FORMAL METHODS IN SE	3.0
BM311			MGMT OF INFORMATION SYST.	3.0
PRxxx	YES	ISP	SEE OUTSIDE THE MAJOR REQUIREMENTS	3.0
SE485A	YES	RD	SOFTWARE PRACTICIUM	3.0
SEMESTER CREDITS				15.0

SEMESTER 8

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE402			HUMAN-COMPUTER INTERACT.	3.0
CS438			OPER. SYSTEMS ANALYSIS	4.0
xxx			MATH/SCIENCE ELECTIVE	3.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
SE485B	YES	EX	SOFTWARE PRACTICIUM	3.0
SEMESTER CREDITS				16.0

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SUMMER (YEAR FOUR)

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE6xx			GUIDED ELECTIVE	3.0
SE6xx			SE ELECTIVE (SEE CURRICULUM CHART)	3.0
SE571			SOFT. DESIGN & SYS. ARCHITEC.	1.5
SEMESTER CREDITS				7.5

SEMESTER 9

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE572			ENTERPRISE & GLOBAL ARCHITEC.	1.5
SE6XX			GUIDED ELECTIVE	3.0
SE6XX			GUIDED ELECTIVE	3.0
SE691			THESIS SEMESTER 1	3.0
SEMESTER CREDITS				10.5

SEMESTER 10

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE610			SOFTWARE SYSTEMS SECURITY	3.0
SE580			THE PROCESS OF ENGINEERING SOFTWARE	3.0
SE6XX			GUIDED ELECTIVE	3.0
SE692			THESIS SEMESTER 2	3.0
SEMESTER CREDITS				12.0

TOTAL CREDITS FOR BACCALAUREATE DEGREE = 128

TOTAL CREDITS FOR MASTER'S DEGREE = 30

TOTAL CREDITS FOR FIVE YEAR PLAN = 158