MONMOUTH UNIVERSITY
Office of the Registrar
2015*2016 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.

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

SEMESTER 5

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE312			SOFWARE 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			SOFWARE 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
PR432	YES	ISP	ETHICS & PROF. IN SCIENCE & ENG.	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 PRACTICUM	3.0
SEMESTER CREDITS				**16.0**

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

SUMMER (YEAR FOUR)

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE6QQ			GUIDED ELECTIVE	3.0
SE699			INDEPENDENT STUDY	3.0
		SEMESTER CREDITS		6.0

SEMESTER 9

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE565			SOFTWARE SYSTEMS REQ.	3.0
SE6XX			ELECTIVE	3.0
SE6XX			ELECTIVE	3.0
SE691A			THESIS SEMESTER 1	3.0
		SEMESTER CREDITS		12.0

SEMESTER 10

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SE570			SE SYSTEM DESIGN	3.0
SE580			THE PROCESS OF ENGINEERING SOFTWARE	3.0
SE6XX			ELECTIVE	3.0
SE692B			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