

MONMOUTH UNIVERSITY

Office of Registration and Records

2011*2012 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
CS175			INTRO TO COMPUTER SCIENCE I	4.0
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
AR,MU, TH or DA101	YES		GEN*ED AESTHETICS	3.0
MA130	YES		DISCRETE MATH APPLICATIONS	3.0
CS176			INTRO. TO COMPUTER SCIENCE II	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.
CS305			DATA STRUCTURES & ALGORITHMS	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.
xxx			FREE ELECTIVES	3.0
SExxx			SOFTWARE ENG. ELECTIVE	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				16.0

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
MA319			PROBABLILITY AND STATISTICS	3.0
PH211 & PH211L	YES		PHYSICS I AND LAB (GEN*ED NATURAL SCIENCE)	5.0
BM250	YES	SS.SV	OUTSIDE THE MAJOR REQ. (GEN*ED SOCIAL SCIENCE)	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		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
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	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
SE306			FORMAL METHODS IN SE	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.
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
SE690A			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
SE6XX			ELECTIVE	3.0
SE6XX			ELECTIVE	3.0
SE690A			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**