

MONMOUTH UNIVERSITY
Five Year Baccalaureate/Master's Plan
Suggested Sequence Chart
2008-2009

**Academic Program: B.S. in Software Engineering
and a Master of Science in Software Engineering**

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Semester 1

COURSE	TITLE	CREDITS
CS102	Scientific Computer App.	3
Aesthetics	AR/MU/TH/DA101	3
EN101	English I	3
HS101	Western Civ. I	3
SE120	Foundations of Soft. Engineer.	3
	TOTAL	15

Semester 2

COURSE	TITLE	CREDITS
EN102	College English II	3
HS102	Western Civilization II	3
MA 130	Discrete Math Applications	3
CS175	Intro. To Comp. Sci. I	4
SE104	Intro. To SE	3
WP001	Writing Proficiency Exam	0
	TOTAL	16

Semester 3

COURSE	TITLE	CREDITS
CS176	Intro. To Comp. Science II	4
EN201	Literature I	3
MA125	Calc. W/Anal. Geom. I	4
SE205	Software Requirements	3
HU201	Critical Discourse	3
	TOTAL	17

Semester 4

COURSE	TITLE	CREDITS
CS305	Comp. Algorithms I	4
EN202	Literature II	3
MA126	Calc. W/Anal. Geom. II	4
CS286	Computer Arch I	3
SE207	Software Design Arch.(WT)*	3
	TOTAL	17

Semester 5

COURSE	TITLE	CREDITS
BE201	Microeconomics	3
MA319	Probability & Stats.	3
PH211/ PH211L	Physics I and Lab	5
SE312	Software Ver. Val. And Maint.	3
SE xxx	Software Engineering Elective	3
WT001*	Writing Intensive Course in Software Engineering	0
	TOTAL	17

Semester 6

COURSE	TITLE	CREDITS
*	Cross Cultural Elective	3
SE403	Software Process Improv.	3
PH212/ PH212L	Physics II and Lab	5
SE418	Project Management (WT)*	3
SE xxx	Software Engineering Elective	3
WT001*	Writing Intensive Course in Software Engineering	0
	TOTAL	17

Semester 7

COURSE	TITLE	CREDITS
Elective	Math/Science Elective	3
*	Cross Cultural Elective	3
SE402	Human-Computer Interaction	3
BM250	Princ. Of Mg. & Org. Behav.	3
SE485A	Software Practicum (EX)*	3
PR432	Ethics & Professionalism	3
	TOTAL	18

Semester 8

COURSE	TITLE	CREDITS
BM311	Mgmt. Of Information Syst.	3
CS438	Oper. Systems Analysis	4
Elective	Math/Science Elective	3
SE306	Formal Methods in SE	3
SE485B	Software Practicum (EX)*	3
	TOTAL	16

TOTAL CREDITS FOR BACCALAUREATE DEGREE = 133

TOTAL CREDITS COMPLETED = 133

*See WEBadvisor "Sections Offered by Term" for complete listing of courses with type:

CC: Cross-Cultural
WT: Writing Intensive
EX: Experiential Education

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Summer Semester (Year Four)

COURSE	TITLE	CREDITS
SE 6QQ	Guided Elective	3
SE 699	Independent Study	3
TOTAL		6

Semester 9

COURSE	TITLE	CREDITS
SE565	Software System Requirements	3
SE 6XX	Paired Elective 1	3
SE 6YZ	Paired Elective 2	3
SE 690A	Thesis Semester 1	3
TOTAL		12

Semester 10

COURSE	TITLE	CREDITS
SE 570	SE System Design	3
SE 6XY	Paired Elective 1	3
SE 6YW	Paired Elective 2	3
SE 690A	Thesis Semester 2	3
TOTAL		12

**TOTAL CREDITS FOR MASTER'S PROGRAM = 30
TOTAL CREDITS FOR FIVE YEAR PLAN = 163**