

Bachelor of Software Engineering Curriculum

Fall Semester		Spring Semester	
Freshman Year			
ENGL 1100 English Composition I	3	ENGL 1120 English Composition II	3
HIST Core History	3	HIST Core History	3
MATH 1610 Calculus I	4	MATH 1620 Calculus II	4
PHYS 1600 Physics I	4	PHYS 1610 Physics II	4
ENGR 1110 Introduction to Engineering	2	(M) COMP 1210 Fundamentals of Computing I	3
ENGR 1100 Engineering Orientation	0		
Sophomore Year			
ENGL 2200 World Literature I	3	ENGL 2210 World Literature II	3
Core Social Science Group 1	3	Core Social Science Group 2	3
MATH 2630 Calculus III	4	ELEC 2200 Digital Logic Circuits	3
Core Fine Arts	3	MATH 2660 Linear Algebra	3
(M) COMP 2210 Fundamentals of Computing II	4	(M) COMP 2710 Software Construction	3
Junior Year			
MATH 2650 Linear Differential Equations	3	PHIL 1020 or PHIL 1040	3
ENGR 2100 Fund. of Engineering Mechanics	3	STAT 3600 Probability and Statistics	3
(M) COMP 3220 Principles of Prog. Languages	3	(M) COMP 3270 Introduction to Algorithms	3
(M) COMP 3240 Discrete Structures	3	(M) COMP 3500 Intro. to Operating Systems	3
(M) COMP 3350 Comp. Org. & Assm. Lang.	3	(M) COMP 3700 Software Modeling & Design	3
Senior Year			
(M) COMP 4300 Computer Architecture	3	(M) COMP 4710 Senior Design Project	3
(M) COMP 4320 Intro. to Computer Networks	3	(M) COMP 4730 Computer Ethics	1
(M) COMP 4640 Intelligent & Interactive Sys.	3	(M) COMP 5710 Software Quality Assurance	3
(M) COMP 5700 Software Process	3	(M) COMP Elective*	3
(M) COMP Elective*	3	Free Elective or ROTC	3

TOTAL – 123 SEMESTER HOURS

* Must be selected from department list of approved COMP elective courses.