

Bachelor of Wireless Engineering Curriculum
Wireless Software Engineering Option

Fall Semester		Spring Semester	
Freshman Year			
MATH 1610 Calculus I	4	MATH 1620 Calculus II	4
PHYS 1600 Engineering Physics I	4	PHYS 1610 Engineering Physics II	4
ENGR 1110 Introduction to Engineering	2	(M) COMP 1210 Fundamentals of Computing I	3
ENGL 1100 English Composition I	3	ENGL 1120 English Composition II	3
Core History	3	Core History	3
ENGR 1100 Engineering Orientation	0		
Sophomore Year			
(M) COMP 2210 Fundamentals of Computing II	4	(M) COMP 2710 Software Construction	3
MATH 2630 Calculus III	4	(M) COMP 3240 Discrete Structures	3
MATH 2650 Linear Differential Equations	3	MATH 2660 Linear Algebra	3
(M) ELEC 2110 Electric Circuit Analysis	3	(M) ELEC 2120 Linear Sig. & Sys. Analysis	3
(M) ELEC 2200 Digital Logic Circuits	3	Core Social Science Group 1	3
		(M) ELEC 2010 EE Lab I	1
Junior Year			
ENGL 2200 World Literature I	3	ENGL 2210 World Literature II	3
(M) COMP 3350 Computer Organization & Assembly Language	3	(M) COMP 3510 Embedded Systems Software	3
(M) COMP 3270 Introduction to Algorithms	3	(M) COMP 3710 Wireless Software Engineering	3
(M) ELEC 3800 Random Signals & Systems	3	(M) ELEC 3400 Communication Systems	3
Core Social Science Group 2	3	Math/Science Elective*	3
		Or	
		(M) INSY 3410 Deterministic Operations Research**	
Senior Year			
PHIL 1040 Business Ethics	3	Fine Arts Elective	3
(M) COMP 5700 Software Process*	3	(M) COMP 5710 Software Quality Assurance*	3
Or		Or	
(M) ELEC 5120 Telecommunication Networks**		(M) COMP 5340 Network Quality Assurance**	
(M) COMP 4320 Intro. to Computer Networks	3	(M) COMP 5360 Wireless & Mobile Networks	3
(M) ELEC 3060 Wireless Communication Lab	1	(M) COMP 4730 Computer Ethics	1
INSY 3600 Engineering Economics	3	(M) COMP 4710 Wireless Senior Design	3
Free Elective/ROTC	3	(M) Wireless Elective/ROTC	3

TOTAL – 128 SEMESTER HOURS

* Software Specialization requires COMP 5700, COMP 5710, and a Math/Science Elective

** Network Specialization requires INSY 3410, COMP 5340, and ELEC 5120