

**Bachelor of Wireless Engineering Curriculum**  
***Wireless Software Engineering Option***

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

**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