

## Wireless Engineering Curriculum Wireless Software Engineering Option (WIRS)

Fall Semester		Freshman Year		Spring Semester
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>COMP 1210 Fund 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>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>	
 <b>Sophomore Year</b>				
<b>COMP 2210 Fund of Computing II</b>	<b>4</b>	<b>COMP 2710 Software Construction</b>	<b>3</b>	
MATH 2630 Calculus III	4	ENGL 2200 World Literature I	3	
MATH 2650 Linear Differential Equations	3	MATH 2660 Linear Algebra	3	
<b>ELEC 2110 Electric Circuit Analysis</b>	<b>4</b>	<b>ELEC 2120 Linear Sig. &amp; Sys. Analysis</b>	<b>3</b>	
<b>ELEC 2200 Digital Logic Circuits</b>	<b>3</b>	Core Social Science	3	
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15</b>	
 <b>Junior Year</b>				
ENGL 2210 World Literature II	3	<b>COMP 3270 Introduction to Algorithms</b>	<b>3</b>	
<b>COMP 3350 Comp Org &amp; Asm Lang</b>	<b>3</b>	<b>COMP 3510 Embedded Sys Software</b>	<b>3</b>	
<b>COMP 3240 Discrete Structures</b>	<b>3</b>	<b>COMP 3710 Wireless Software Eng</b>	<b>3</b>	
<b>ELEC 3800 Random Signals &amp; Systems</b>	<b>3</b>	<b>ELEC 3400 Communication Systems</b>	<b>3</b>	
Core Social Science	3	INSY 3600 Engineering Economics	3	
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>	
 <b>Senior Year</b>				
PHIL 1020 or PHIL 1040	3	Fine Arts Elective	3	
<b>COMP 5700 Software Process*</b> or	<b>3</b>	<b>COMP 5710 Sw Quality Assurance*</b> or	<b>3</b>	
<b>ELEC 5120 Telecom Networks**</b>	<b>3</b>	<b>COMP 5340 Nw Quality Assurance**</b>	<b>3</b>	
<b>COMP 4320 Intro to Computer Netwk</b>	<b>3</b>	<b>COMP 5360 Wireless &amp; Mobile Netwk</b>	<b>3</b>	
<b>ELEC 3060 Wireless Des Lab</b>	<b>1</b>	<b>COMP 4730 Computer Ethics</b>	<b>1</b>	
Math/Science Elective* or	3	<b>COMP 4710 Wireless Senior Design</b>	<b>3</b>	
INSY 3410 Det Operations Research**	3			
Free Elective/ROTC	3	Wireless Elective/ROTC	3	
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>	

**TOTAL - 128 SEMESTER HOURS**

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

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

**BOLD** courses used to calculate in-major GPA