

**Bachelor of Wireless Engineering Curriculum**  
***Wireless Electrical Engineering Option***

<b>Fall Semester</b>		<b>Freshman Year</b>		<b>Spring Semester</b>	
MATH 1610 Calculus I	4	MATH 1620 Calculus II	4		
PHYS 1600 Engineering Physics I	4	PHYS 1610 Engineering Physics II	4		
COMP 1200 Intro. To Comp. Prog. For Engr. & Scts.	2	ENGR 1110 Intro. to Engineering	2		
ENGL 1100 Composition	3	ENGL 1120 Composition	3		
Core History	3	Core History	3		
ENGR 1000 Engineering Orientation	0				
<b>Sophomore Year</b>					
Core Social Science	3	CHEM 1030 Fund. of Chemistry I	3		
MATH 2630 Calculus III	4	CHEM 1031 Fund. Chemistry Lab	1		
MATH 2650 Linear Diff. Eq.	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>	<b>(M)ELEC 2210 Digital Electronics</b>	<b>3</b>		
<b>(M)ELEC 2010 EE Lab I</b>	<b>1</b>	<b>(M)ELEC 2220 Computer Systems</b>	<b>3</b>		
		<b>(M)ELEC 2020 EE Lab II</b>	<b>1</b>		
<b>Junior Year</b>					
ENGL 2200 Literature	3	ENGL 2210 Literature	3		
<b>(M)ELEC 3310 Fund. Of Electromagnetics</b>	<b>3</b>	<b>(M)ELEC 3320 Electromagnetics for Wireless Applications</b>	<b>3</b>		
<b>(M)ELEC 3700 Analog Electronics</b>	<b>3</b>	<b>(M)ELEC 3400 Communication Systems</b>	<b>3</b>		
<b>(M)ELEC 3800 Random Sig. &amp; Systems</b>	<b>3</b>	INSY 3600 Engineering Economics	3		
<b>(M)ELEC 3030 Lab III</b>	<b>1</b>	Fine Arts Elective	3		
COMP 3000 Object-Oriented Programming	3				
<b>Senior Year</b>					
Core Social Science	3	PHIL 1040 Business Ethics	3		
Free Elective/ROTC	3	<b>(M)Wireless Elective/ROTC</b>	<b>3</b>		
<b>(M)ELEC 6100 Wireless Comm. Systems</b>	<b>3</b>	<b>(M)ELEC 4000 Senior Design Projects</b>	<b>3</b>		
<b>(M)ELEC 3060 Wireless Comm. Lab</b>	<b>1</b>	<b>(M)ELEC 6410 Digital Signal Processing*</b>	<b>3</b>		
		<b>or</b>			
<b>(M)ELEC 6130 RF Devices &amp; Circuits*</b>	<b>3</b>	<b>(M)ELEC 6120 Telecomm. Networks**</b>			
<b>or</b>		Math/Science Elective*	3		
<b>(M)ELEC 6220 Info. Networks &amp; Tech.**</b>		<b>Or</b>			
<b>(M)ELEC 6110 Wireless Networks</b>	<b>3</b>	<b>(M)COMP 6330 Network Optimization &amp; Alg**</b>			

**TOTAL - 128 SEMESTER HOURS**

\* Hardware Specialization requires ELEC 6130, ELEC 6410, and a Math/Science Elective

\*\* Network Specialization requires ELEC 6120, ELEC 6220, and COMP 6330