

## Bachelor of Science in Electrical Engineering Guide to Selection of Concentration

COURSES	TITLE	PRE-REQUISITES*	CONCURRENT REQ'S
<b>General (no concentration declared)</b>			
EEE3xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEExxx1	EE Lab (elective)		
EEE4xx1	EE Lab (elective)		
<b>Computer Engineering</b>			
EEE3223	<i>Advanced Digital Electronics</i>	EEE2214	
EEE4253	<i>Computer Architecture</i>	EEE3233	
EEE4243	<i>Embedded Systems</i>	EEE3233	
EEE4xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEE3221*	Advanced Digital Elec Lab		EEE3223
EEE4xx1	EE Lab (elective)		
<b>Electronics</b>			
EEE3223	<i>Advanced Digital Electronics</i>	EEE2214	
EEE4323	<i>Advanced Electronics</i>	EEE3314	
EEE4713	<i>Optoelectronics</i>	EEE3414	
EEE4xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEE3221*	Advanced Digital Elec Lab		EEE3223
EEE4xx1	EE Lab (elective)		
<b>Power Engineering</b>			
EEE3513	<i>Intro to Electrical Systems</i>	EEE3124	
EEE4133	<i>Electrical Machines</i>	EEE3513	
Select one of these 4 courses to satisfy the concentration	EEE4313 <i>Power Electronics</i> OR	EEE3314 EEE4514 or EEE3124 (B+ or better)	
	EEE 5144 <i>Power Dist. Syst.</i> OR	GPA > 3.0 & Senior Standing	
	EEE5XX4 "Smartgrid" OR	Senior standing	
	EME5263 <i>Energy Resources and Technologies</i> OR	Senior Standing	
	EME5373 <i>Alter. Energy Engr</i>	Senior Standing	
EEE4xx3	EE Technical Elective		
EEE4xx3	EE Technical Elective		
EEE3511*	Intro Elect Sys Lab		EEE3513
EEE4xx1	EE Lab (elective)		

\*recommended Jr level laboratory for the concentration

**Special Note:** Students must meet the pre-requisites and concurrent requisites for the selected technical electives courses including laboratories. Required courses cannot double dip as selected electives courses.