

# Major in Electrical Engineering – B.S.E.E.

<b>University Requirements:</b>		
See University General Requirements for Baccalaureate degrees (p. 40)		<input type="checkbox"/>
<b>First Year Making Connections Course:</b>	<b>Sem. Hrs.</b>	
ENGR 1402, Concepts of Engineering (See Engineering Core Courses)	-	<input type="checkbox"/>
<b>General Education Requirements:</b>	<b>Sem. Hrs.</b>	
See General Education Curriculum for Engineering	<b>38</b>	<input type="checkbox"/>
<b>Engineering Core Courses:</b>	<b>Sem. Hrs.</b>	
Refer to Engineering Core Courses	<b>27</b>	<input type="checkbox"/>
<p><b>Major Requirements:</b></p> <p>Electives denoted with an asterisk (*) may be selected from any courses within the designated elective group; subject to a program advisor’s approval. They must make a rational contribution to the student’s personal and professional education goals.</p> <p>In addition to the University requirements for all Baccalaureate Degrees, a Bachelor of Science in Electrical Engineering requires that one of the two following conditions be met:</p> <ol style="list-style-type: none"> <li>1. “C” or better in each course in the 56-58 hour major courses; <b>OR</b></li> <li>2. 2.5 (or greater) grade point average in the 56-58 hour major courses listed below.</li> </ol>	<b>Sem. Hrs.</b>	
CS 2114, Structured Programming	4	<input type="checkbox"/>
CHEM 1023, General Chemistry II <b>AND</b> CHEM 1021, General Chemistry II Lab	4	<input type="checkbox"/>
EE 2322, Electrical Workshop	2	<input type="checkbox"/>
EE 3313, Electric Circuits II	3	<input type="checkbox"/>
EE 3331, Digital Electronics I Lab	1	<input type="checkbox"/>
EE 3333, Digital Electronics I	3	<input type="checkbox"/>
EE 3343, Engineering Fields and Waves	3	<input type="checkbox"/>
EE 3353, Signals and Systems	3	<input type="checkbox"/>

EE 3363, Semiconductor Materials and Devices	3	<input type="checkbox"/>
EE 3383, Principles and Practices in Electrical Engineering	3	<input type="checkbox"/>
EE 3393, Probability and Random Signals	3	<input type="checkbox"/>
EE 3401, Electronics I Laboratory	1	<input type="checkbox"/>
EE 3403, Electronics I	3	<input type="checkbox"/>
EE 4313, Control Systems	3	<input type="checkbox"/>
EE 4353, Power Systems	3	<input type="checkbox"/>
EE 4333, Communications Theory	3	<input type="checkbox"/>
EE 4373, Electronics II	3	<input type="checkbox"/>
EE 4773, Electronics II Laboratory	3	<input type="checkbox"/>
*Electrical Engineering Electives	6-8	<input type="checkbox"/>
*Approved Technical Electives	3	<input type="checkbox"/>
<b>Sub-total</b>	<b>60-62</b>	<input type="checkbox"/>
<b>Additional Support Course:</b>	<b>Sem. Hrs.</b>	
MATH 4403, Differential Equations	3	<input type="checkbox"/>
<b>Total Required Hours:</b>	<b>128-130</b>	