

**Recommended Four-Year Plan of Study COLLEGE OF ENGINEERING**  
**Bachelor of Science in Electrical Engineering**

<b>Four Year Plan of Study</b>			
<b>First Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
MATH 2114 - Calculus I	4	MATH 2124 - Calculus II	4
PHYS 1061 - Physics for Sci & Engr I	3	PHYS 1062 - Physics for Sci & Engr II	3
PHYS 1063 - Physics Lab for Sci & Engr I	1	PHYS 1065 - Physics Lab for Sci & Engr II	1
ENEE 1530 - Engineering Software Tools	3	ENEE 2582 - Digital System Design	3
ENGL 1157 - English Composition I	3	CHEM 1017 - General Chemistry I	3
UNIV 1001 - Univ Success or ENGR 1000 <sup>1</sup>	1	ENGL 1158 or 1159 - English Composition II	3
PHIL 2244 - Engineering Ethics	1		
<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>17</b>
<b>Second Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
MATH 2221 - Elem Differential Equations	3	MATH 2134 - Calculus III	4
MATH 3511 - Linear Algebra	3	ENEE 2551 - Circuits II	3
ENEE 2550 - Circuits I	3	ENEE 2510 - Circuits Lab	1
ENEE 2530 - EE Software Tools	3	ENGL 2152 - Technical Writing	3
PHYS 3064 - Modern Physics	3	Literature Elective	3
ENEE 2586 - Digital Systems Design Lab	2		
<b>Total Hours</b>	<b>17</b>	<b>Total Hours</b>	<b>14</b>
<b>Third Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
ENEE 3530 - Cont & Discrete Signals & Sys	3	ENEE 3572 - Prob Meth Signal Sys Analysis	3
ENEE 3540 - Engineering Electronics	3	ENEE 3533 - Classical Control Sys Design	3
ENEE 3560 - Engineering Electromagnetics	3	ENEE 3543 - Engineering Electronics Syst	3
Humanities Elective	3	ENEE 3517 - Engineering Electronics Lab	1
ECON 1203 - Microecon or 1330 - Intro to financial literacy	3	ENEE 3582 <sup>2</sup> - Digital Design Using Micros	3
		ENEE 3512 <sup>2</sup> - Microprocessor Design Lab	1
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>14</b>
<b>Fourth Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
Social Science Elective	3	ENEE Elective 3000+	3
Art Elective	3	ENEE Elective 3000+	3
ENEE 4091 - Senior EE Design Project I	1	ENEE Elective 3000+	3
ENGR 3090 - Senior Seminar	1	ENEE 4092 - Senior EE Design Project II	3
ENEE Elective 3000+	3	BIOS Elective	3
ENEE Elective Lab 3000+	1		
ENEE Elective 3000+	3		
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>15</b>
<b>Total Degree Hours</b>			<b>123</b>

<sup>1</sup> UNIV 1001/ENGR1000 is required for all first-time full-time students; it does not carry credit toward the bachelor of science in electrical engineering degree, which requires 122 credit hours.

<sup>2</sup> ENEE 3587 which is a 4 credit hour course can be taken in place of ENEE 3582 and ENEE 3512.