

## 2020-2021 Electrical Engineering Undergraduate Program

<b>Semester One</b>		<b>Credits</b>
Select one:		
<a href="#">CHM 2045</a>	General Chemistry 1 ( <b>Critical Tracking</b> ; State Core Gen Ed Biological and Physical Sciences) <b>OR</b>	3
<a href="#">CHM 2095</a>	Chemistry for Engineers 1 ( <b>Critical Tracking</b> ; State Core Gen Ed Biological and Physical Sciences)	
<a href="#">CHM 2045L</a>	General Chemistry 1 Laboratory (Gen Ed Physical Sciences)	1
<a href="#">MAC 2311</a>	Analytic Geometry and Calculus 1 ( <b>Critical Tracking</b> ; State Core Gen Ed Mathematics)	4
Quest 1 (Gen Ed Humanities)		3
State Core Composition (Writing Requirement)		3
	<b>Credits</b>	<b>14</b>
<b>Semester Two</b>		
<a href="#">MAC 2312</a>	Analytic Geometry and Calculus 2 ( <b>Critical Tracking</b> ; Gen Ed Mathematics)	4
<a href="#">PHY 2048</a>	Physics with Calculus 1 ( <b>Critical Tracking</b> ; Gen Ed Physical Sciences)	3
<a href="#">PHY 2048L</a>	Laboratory for Physics with Calculus 1 (Gen Ed Physical Sciences)	1
Computer Programming elective ( <b>Critical Tracking</b> )		3
Gen Ed Social and Behavioral Sciences (Writing Requirement)		3
	<b>Credits</b>	<b>14</b>
<b>Semester Three</b>		
<a href="#">MAC 2313</a>	Analytic Geometry and Calculus 3 ( <b>Critical Tracking</b> ; Gen Ed Mathematics)	4
<a href="#">PHY 2049</a>	Physics with Calculus 2 ( <b>Critical Tracking</b> ; Gen Ed Physical Sciences)	3
<a href="#">PHY 2049L</a>	Laboratory for Physics with Calculus 2 (Gen Ed Physical Sciences)	1
<a href="#">EEL 3000</a>	Introduction to Electrical and Computer Engineering <sup>1</sup>	2
<a href="#">EEL 3701C</a>	Digital Logic and Computer Systems <sup>1</sup>	4
	<b>Credits</b>	<b>14</b>
<b>Semester Four</b>		
<a href="#">EEL 3111C</a>	Circuits 1 <sup>1</sup>	4
<a href="#">EEL 3135</a>	Introduction to Signals and Systems <sup>1</sup>	4
<a href="#">MAS 3114</a>	Computational Linear Algebra	3
<a href="#">MAP 2302</a>	Elementary Differential Equations ( <b>Critical Tracking</b> )	3
	<b>Credits</b>	<b>14</b>
<b>Summer After Semester Four</b>		
<a href="#">EEL 3008</a>	Physics of Electrical Engineering <sup>1</sup>	3
<a href="#">ENC 3246</a>	Professional Communication for Engineers (State Core Composition; Writing Requirement)	3
<a href="#">STA 3032</a>	Engineering Statistics	3
	<b>Credits</b>	<b>9</b>
<b>Semester Five</b>		
<a href="#">EEE 3308C</a>	Electronic Circuits 1 <sup>1</sup>	4
<a href="#">EEL 3112</a>	Circuits 2 <sup>1</sup>	3
State Core Social and Behavioral Sciences with Diversity		3
Electrical Engineering Breadth 1 <sup>1</sup>		4
	<b>Credits</b>	<b>14</b>
<b>Semester Six</b>		
Electrical Engineering Breadth electives #2 and #3 <sup>1</sup>		8
Interdisciplinary elective #1 <sup>2</sup>		3
Electrical Engineering Technical course		3
State Core Humanities with International		3
	<b>Credits</b>	<b>17</b>
<b>Semester Seven</b>		
<a href="#">EEL 3923C</a>	Electrical Engineering Design 1 <sup>1</sup>	3
Electrical Engineering Depth elective #1 <sup>1</sup>		3
Electrical Engineering Technical electives		7
Interdisciplinary elective #2		3
	<b>Credits</b>	<b>16</b>
<b>Semester Eight</b>		
<a href="#">EEL 4924C</a>	Electrical Engineering Design 2 <sup>1</sup>	3
Electrical Engineering Depth elective #2 <sup>1</sup>		3
Electrical Engineering Technical electives		7
Interdisciplinary elective #3		3
	<b>Credits</b>	<b>16</b>
	<b>Total Credits</b>	<b>128</b>