

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

<b>First Year – 32-33 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENME 1011: <i>Intro to Two/Three-Dimensional Modeling</i>	1	ENCE 1040: <i>Vector Statics</i>	3
ENME 1030/1030L: <i>Basic Engineering Science/Lab</i>	4	MATH 1960: <i>Calculus w Analytic Geometry II</i>	4
MATH 1950: <i>Calculus w Analytic Geometry I (Math)</i>	4	MATH 2200: <i>Elementary Linear Algebra</i>	3
ENEE 1010: <i>Intro to Engineering</i>	3	CHEM 1110/1110L: <i>General Chemistry I/Lab (Nat. Science)</i>	4
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 or HIST 2100 (Rhetoric and Writing II)	3
	15-16		17
<b>Second Year – 33 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENEE 2250: <i>Engineering Programming</i>	3	ENEE 2740: <i>Digital Electronics</i>	3
ENEE 2700/2710L: <i>Electrical Circuits I/Lab</i>	4	ENEE 2720: <i>Electrical Circuits II</i>	3
PHYS 2310/2310L: <i>Principles of Physics - Electricity &amp; Magnetism/Lab (Natural Science)</i>	4	ENCE 2220: <i>Probability &amp; Stats for Engineering (Stats)</i>	3
MATH 2450: <i>Intro to Differential/Difference Equations</i>	3	MATH 2560: <i>Calculus w Analytic Geometry III</i>	4
Behavioral and Social Science (ECON 1010)	3	Behavioral and Social Science (ECON 1020)	3
	17		16
<b>Third Year – 33 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENEE 3250: <i>Signals and Systems</i>	3	ENEE 3790: <i>Modern Control Systems Analysis &amp; Design</i>	3
ENEE 3720/3720L: <i>Analog Electronics/Lab</i>	4	ENEE 4800: <i>Electronic Instrumentation</i>	3
ENEE 3750: <i>Electromagnetic Fields and Waves</i>	3	Approved Electrical Engineering Focus Elective	3
ENEE 3800/3800L: <i>Electrical Energy Conversion/Lab</i>	4	Approved Electrical Engineering Focus Lab Elective	1
Fine Arts and Humanities*	3	Electrical Engineering Elective (3000-4000 Level)	3
		Approved Technical Elective (3000-4000 Level)	3
	17		16
<b>Fourth Year – 32 hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENCE 3850: <i>Interdisciplinary Design Project I</i>	3	ENEE 4850: <i>Interdisciplinary Design Project II **</i>	3
Approved Electrical Engineering Focus Elective	3	ENEE 4900: <i>Fundamentals of Engr &amp; Professionalism</i>	1
Approved Electrical Engineering Focus Elective	3	Electrical Engineering Elective (3000-4000 Level)	3
Electrical Engineering Lab Elective (3000-4000 Level)	1	Electrical Engineering Lab Elective (3000-4000 Level)	3
Electrical Engineering Elective (3000-4000 Level)	3	Approved Technical Elective (3000-4000 Level)	3
Fine Arts and Humanities*	3	Non-Western Culture	3
	16		16

\*Fine Arts and Humanities: 6 hours must be taken so that two different categories in FAH: Historical Understanding; Literature; Thought, Values & Beliefs; or Visual & Performing Arts are satisfied.

\*\*Qualified students may substitute ENEE 4995r: *Departmental Thesis*

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
128 Total Hours		21-22 General Education Hours	
39 Upper Division (3000-4000) Hours		109 Program (Major) Hours	
32 Hours at UTC		Minor ( <i>Not Required</i> )	
60 Hours at 4-year Institution		Electives ( <i>Not Required</i> )	
		Foreign Language ( <i>Not Required</i> )	