

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

<b>First Year – 31-32 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENCE 1010: <i>Introduction to Civil Engineering</i>	2	ENCE 1040: <i>Vector Statics</i>	3
ENCE 1020: <i>Introduction to Engineering Graphics</i>	1	CHEM 1110/1110L: <i>General Chemistry I/Lab (Natural Science)</i>	4
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 (Quantitative Reasoning)</i>	4	Writing and Communication	3
Writing and Communication	3-4	Behavioral and Social Science	3
	14-15		17
<b>Second Year – 34-35 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENCE 2010/2020L: <i>Introduction to Environmental Engineering/Lab</i>	4	ENCE 2220: <i>Probability and Statistics for Engineering (Quantitative Reasoning)</i>	3
ENCE 2460/2460L: <i>Mechanics of Materials/Lab</i>	4	ENCE 2620/2620L: <i>Introduction to Geomatics/Lab</i>	4
MATH 2450: <i>Intro to Differential/Difference Equations</i>	3	ENME 2240: <i>Introduction to Engineering Computations</i>	3
PHYS 2310/2310L: <i>Principles of Physics - Electricity and Magnetism/Lab (Natural Science)</i>	4	ENCE 2530: <i>Computer Applications in Civil Engineering</i> or ENME 2480: <i>Dynamics</i>	2-3
Behavioral and Social Science	3	MATH 2560: <i>Calculus w/ Analytic Geometry III</i>	4
	18		16-17
<b>Third Year – 33-34 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENCE 3500/3500L: <i>Civil Engineering Materials/Lab</i>	4	ENCE 3380: <i>Water Resources Engineering</i>	3
ENCE 3640: <i>Structural Analysis I</i>	3	ENCE 3520: <i>Engineering Economy</i>	3
ENME 3070/3070L: <i>Fluid Mechanics/Lab</i>	4	ENCE 3610/3610L: <i>Soil Mechanics/Lab</i>	4
Engineering Speciality Elective (3000 Level)	3	ENCE 3680: <i>Design of Concrete Structures</i>	3
Approved Science Elective	3-4	Engineering Specialty Elective (4000 Level)	3
	17-18		16
<b>Fourth Year – 30-33 Hours</b>			
<b>Fall Semester:</b>	<b>Hrs</b>	<b>Spring Semester:</b>	<b>Hrs</b>
ENCE 3620: <i>Transportation Engineering I</i>	3	ENCE 4620: <i>Transportation Engineering II</i>	3
ENCE 3850: <i>Interdisciplinary Design Project I</i>	3	ENCE 4850: <i>Interdisciplinary Design Project II</i>	3
ENCE 4610: <i>Foundation Analysis Design</i>	3	Approved Civil Engineering Elective (4000-Level)	3
ENCE 4680: <i>Design of Steel Structures</i>	3	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4
	15-16		15-17

<b>Completed:</b>			
<b>Graduation Requirements:</b>	<b>Hrs</b>	<b>Degree Requirements:</b>	<b>Hrs</b>
128 Total Hours		21-25 General Education Hours	
39 Upper Division (3000-4000) Hours		107-109 Program (Major) Hours	
32 Hours at UTC		Minor ( <i>Not Required</i> )	
45 Hours at 4-year Institution		Electives ( <i>Not Required</i> )	
		Foreign Language ( <i>Not Required</i> )	