

CLEAR PATH for ADVISING – *Civil Engineering: Environmental, B.S.C.E.*

2025-2026

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

First Year – 31-32 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
ENCE 1010: <i>Introduction to Civil Engineering</i>	2	CHEM 1110/1110L: <i>General Chemistry I/Lab</i> (Natural Science)	4
ENCE 1020: <i>Introduction to Engineering Graphics</i>	1	ENCE 1040: <i>Vector Statics</i>	3
ENGL 1010: <i>Rhetoric and Composition I</i> or ENGL 1011: <i>Rhetoric and Composition I with Writing Tutorial</i> (Writing and Communication)	3-4	ENGL 1020: <i>Rhetoric and Composition II</i> (Writing and Communication)	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</i> (Quantitative Reasoning)	4	Behavioral and Social Science	3
	14-15		17
Second Year – 34-35 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
ENCE 2010/2020L: <i>Introduction to Environmental Engineering/Lab</i>	4	ENCE 2220: <i>Probability and Statistics for Engineering</i> (Quantitative Reasoning)	3
ENCE/ENME 2460/2460L: <i>Mechanics of Materials/Lab</i>	4	ENCE 2530: <i>Computer Applications in Civil Engineering</i> or ENME 2480: <i>Dynamics</i>	2-3
MATH 2450: <i>Introduction to Differential/Difference Equations</i>	3	ENCE 2620/2620L: <i>Introduction to Geomatics/Lab</i>	4
PHYS 2310/2310L: <i>Principles of Physics - Electricity and Magnetism/Lab</i> (Natural Science)	4	ENME 2240: <i>Introduction to Engineering Computations</i>	3
Behavioral and Social Science	3	MATH 2560: <i>Calculus w/ Analytic Geometry III</i>	4
	18		16-17
Third Year – 33-34 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
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 Specialty Elective (3000-4000 Level)	3	ENCE 3680: <i>Design of Concrete Structures</i>	3
Approved Science Elective (3000-4000 Level)	3-4	Engineering Specialty Elective (4000 Level)	3
	17-18		16
Fourth Year – 30-34 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
ENCE 3620: <i>Transportation Engineering I</i>	3	ENCE 4380: <i>Wastewater and Water Treatment</i>	3
ENCE 3850: <i>Interdisciplinary Design Project I</i>	3	ENCE 4480: <i>Urban Stormwater Management</i>	3
ENCE 4610: <i>Foundation Analysis and Design</i>	3	ENCE 4850: <i>Interdisciplinary Design Project II</i>	3
Approved Environmental Engineering Elective (3000-4000 Level)	3-4	Humanities and Fine Arts	3-4
Humanities and Fine Arts	3-4	Individual and Global Citizenship	3-4
	15-17		15-17

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
128 Total Hours		15-18 General Education Hours	
39 Upper Division (3000-4000 Level) Hours		113-117 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>)	