CLEAR PATH for ADVISING –

Environmental Science: Geographic and Cartographic Sciences, B.S.

2019-2020

Please see the Courses section of this catalog for complete course descriptions.

First Year – 30-31 Hours			
Fall Semester:	Hrs	*Spring Semester:*	Hrs
ESC 1500/1500L: *Intro to Environmental Science I/Lab* (Natural Science)	4	ESC 1510/1510L: *Intro to Environmental Science II/Lab* (Natural Science)	4
MATH 1710: *Precalculus I*	3	MATH 1720: *Precalculus II*	3
GEOG 1030: *World Geography* (Non-Western Culture)	3	CPSC 1100: *Fundamental of Computer Science*	4
ENGL 1010 or 1011 (Rhetoric and Writing I)	3-4	ENGL 1020 (Rhetoric and Writing II)	3
		Behavioral and Social Science	3
	13-14		17
Second Year – 31-32 Hours			
Fall Semester:	Hrs	*Spring Semester:*	Hrs
ENGL 2820: *Scientific Writing* *	3	GEOL 1110/1110L: *Physical Geology/Lab*	4
MATH 1950: *Calculus with Analytic Geometry I* (Mathematics)	3	ASTR 1010/L: *Intro to Astronomy-The Solar System/Lab,* GEOG 2060: *Atmosphere, Weather & Climate,* or GEOG 2250/L: *Oceanography/Lab*	3-4
BIOL 1110/1110L: *Principles of Biology I/Lab*	4	BIOL 1120/1120L: *Principles of Biology II/Lab*	4
GEOG 2210: *Maps and Mapping*	3	MATH 2100: *Introductory Statistics* (Statistics)	3
GEOG 1010: *Physical Geography*	4		
	17		14-15
Third Year – 30-31 Hours			
Fall Semester:	Hrs	*Spring Semester:*	Hrs
ESC/GEOG 4650: *Remote Sensing & Imagery Analysis*	3	BIOL 3060/3070: *Ecology/Lab*	4
GEOG Elective or CPSC 1110: *Data Structure and Program Design*	3-4	ESC/GEOG 4660: *Geographic Info Systems*	3
FAH: Historical Understanding	3	Approved GEOG Elective (3000-4000 Level)	3
Behavioral and Social Science	3	Approved GEOG Elective (3000-4000 Level)	3
Elective (3000-4000 Level)	3	FAH: Literature	3
	15-16		16
Fourth Year – 25-28 Hours			
Fall Semester:	Hrs	*Spring Semester:*	Hrs
ESC 3400/3400L: *Environmental Survey Methods/Lab*	4	ESC 4100: *Environmental Law and Agencies*	3
ESC 4920: *Advanced Applications of Remote Sensing and Geographic Info Systems*	3	ESC 4840: *Values and the Environment*	3
Approved GEOG Elective (3000-4000 Level)	2	Approved GEOG Elective (3000-4000 Level)	3
FAH: Thought, Values and Beliefs	3	FAH: Visual and Performing Arts	3
Elective	1-3	Elective	0-1
	13-15		12-13

*Students can substitute ESC 4495r: *Departmental Thesis* for ENGL 2820

Completed:			
Graduation Requirements:	Hrs	Degree Requirements:	Hrs
120 Total Hours		24-25 General Education Hours	
39 Upper Division (3000-4000) Hours*		89-91 Program (Major) Hours	
30 Hours at UTC		Minor *(Not Required)*	
60 Hours at 4-year Institution		4-7 Elective Hours	
		Foreign Language *(Not Required)*	