Texas A & M University-Corpus Christi

Curriculum Sheet for 2020-2021 Catalog

Degree: **Bachelor of Science**
Major: **Environmental Science**
Concentration: **Grades 4-8th Science Education**

UNIVERSITY CORE CURRICULUM:			**HOURS**	**PREREQUISITES**
_____	COMM 1311	Foundations of Communications	3	or ENGL 1301
_____	ENGL 1302	Writing and Rhetoric	3	
_____	ENGL 2_____	Language, Philosophy, and Culture	3	
_____	See Catalog	Creative Arts	3	
_____	HIST 1301	US History to 1865	3	
_____	HIST 1302	US History since 1865	3	or HIST 2301
_____	POLS 2305	US Government and Politics	3	
_____	POLS 2306	State and Local Government	3	
_____	PSYC 2301	Social and Behavioral Sciences	3	Must take PSYC 2301 for Social/Behavioral Sciences

NOTE: Taking Core curriculum courses other than those required for the major (Science, Math, PSYC, ENGL, COMM) will result in additional courses that may not be required to complete your degree. Please consult with your major Academic Advisor for more details.

SCIENCE CONTENT COURSES - 46-49 hours				
_____	PHYS 1304	Introduction to Astronomy: Solar System	3	
_____	BIOL 1406 (core)	Biology I FL,SP,SUM	4	MATH 1314 or placement above
_____	BIOL 1407 (core)	Biology II FL,SP,SUM	4	BIOL 1406
_____	CHEM 1411	General Chemistry I FL,SP,SUM	4	MATH 1314 or placement above
_____	ESCI 1401 (core)	Intro to Environmental Science FL,SP	4	
_____	ESCI 4202	Issues in Environmental Science SP	2	ESCI 1401 and Junior/Senior Standing
_____	GEOL 1403	Physical Geology FL,SP,SUM	4	
_____	GEOL 1404	Historical Geology SP	4	GEOL 1403
_____	PHYS 1401	General Physics I FL,SP,SUM	4	MATH 1314 or placement above
_____	SMTE 4217	Secondary Approaches to the Life Scienes	2	
_____	SMTE 4270	Science Education Topics	2	
_____	SMTE 4320	Secondary Science Laboratory Techniques	3	BIOL 1407 + CHEM 1412 + EDUC 3311
_____	ESCI 3351 or 3403	Oceanography or Intro to Meteorology FL,SP	3-4	CHEM 1412 or ESCI 1401 or GEOL 1403; N/A
_____	SMTE 3315 or PHYS 1402	Found. Approaches to Physical Sciences or General Physics II	3-4	N/A; PHYS 1401 or PHYS 2425

Choose one class from this list - cannot be used elsewhere on degree plan:

_____	ESCI 3443	Environmental Biology FL,SP	4	BIOL 1407
_____	CHEM 4443	Environmental Chemistry FP	4	CHEM 1412 + CHEM 3411
_____	ESCI 3351 or 3403	Oceanography or Intro to Meteorology FL,SP	3-4	CHEM 1412 or ESCI 1401 or GEOL 1403; N/A
_____	ESCI 4330	Oil Spill Prevention & Response	3	Minimesters: Spring Break, May, July
_____	ESCI 4335	Climate and Climate Variability SP	3	ESCI 3351 or ESCI 3403
_____	ESCI 4360	Physical Oceanography FL	3	PHYS 1401 or PHYS 2425
_____	GEOL 3443	Environmental Geology SP	3	GEOL 1403

MATHEMATICS COURSES - 7-8 hours				
_____	MATH 1442 (core)	Statistics for Life FL,SP,SUM	4	MATH 0300 or placement above
Choose one additional:	MATH 1316	Trigonometry FL,SP,SUM	3	MATH 1314 or placement above
	MATH 2312	Precalculus FL,SP,SUM	3	MATH 1314 or placement above
	MATH 2413	Calculus I FL,SP,SUM	4	MATH 2312 or [MATH 1314 + 1316]

Additional Teacher Certification Requirements - 3 hours (the rest counts in core)

_____	PSYC 2301	General Psychology	3	

PROFESSIONAL DEVELOPMENT - 30 hours				
_____	READ 3320	Principles & Practices of Reading Instruct. FL,SP	3	
_____	READ 3351	Diagnosis & Correction of Reading Prob. FL,SP	3	READ 3320 or 3321 or 3353
_____	EDUC 3311	School & Society FL,SP,SUM	3	Suggested during semester prior to Field Base
Field Base Semester:	EDUC 4313 & EDUC 4607	Classroom Management & Plan/Teach/Assess and Tech: Grades 4-8	9	
Semester:	EDUC 4992	Clinical Teaching: Grades 4-8	12	

See College of Education for admission requirements and handouts.

~Additional hours may be required to meet the minimum 120 hours for your degree~

Minimum GPA of 2.75 in all work attempted and 2.75 in all science/math, and specialization areas. No grade below "C" in any science, math or education courses. See College of Education, "Admission to Teacher Education" and "Admission to Student Teaching".

TSI Scores: **May be exempt with ACT/SAT scores or previous Bachelor's degree

Reading (min 359) _____
Math (min 369) _____
Writing (min 363~6) _____

Certification: TExES #160 (PPR)
Exams: TExES Science #116

Additional Teacher Certification Requirements:
Background check, Tuberculosis Screening, Pre-assessment Exam, and Content Exam

UNIVERSITY REQUIREMENTS:

Minimum Total Hours for Degree:	120
Minimum Upper Division Total Hours:	45
Minimum Upper Division in Residency (Major) Hours:	36(12)
Minimum Cumulative TAMUCC & Major GPA:	2.75
Foreign Language Requirement (see catalog)	
First Year Seminar Requirement (UNIV 1101 & 1102)	2