UTEP College of Science: Bachelor of Science Degree Plan

ENVIRONMENTAL SCIENCES - Chemistry Concentration
UNIVERSITY CORE CURRICULUM for this MAJOR

A maximum of 66 hours may be transferred from two-year institutions to UTEP degree programs

	COURSE NAME	UTEP	EPCC
A	**General Education**		
	(Minimum "C" grades required)		
1	**Communication (6 credits)**		
	Rhetoric & Composition I	**RWS 1301**	**ENGL 1301**
	Rhetoric & Composition II	**RWS 1302**	**ENGL 1302**
	Rhetoric, Composition, & Communication	**RWS 1601**	no equivalent
	Expository English Composition for Speakers of ESL	**ESOL 1311**	no equivalent
	Expository English Composition for Speakers of ESL	**ESOL 1312**	no equivalent
	Written and Oral Communication	**COMM 1611**	no equivalent
2	**Mathematics (PreCalculus plus 7 or 8 additional credits)**		
	PreCalculus	**MATH 1508**	**MATH 1314 & 2413**
	Calculus I	**MATH 1411**	**MATH 2412**
	Calculus II	**MATH 1312**	**2314**
3	**Life and Physical Sciences ****		
	See Blocks B and C		
	Language, Philosophy, & Culture (3 credits) - choose 1 course		
4	English Literature (to 1700's)	**ENGL 2311**	**ENGL 2322**
	English Literature (1700's - Modern)	**ENGL 2312**	**ENGL 2323**
	Inro to American Fiction	**ENGL 2313**	**ENGL 2324**
	Inroduction to American Drama	**ENGL 2314**	**ENGL 2343**
	Introduction to American Poetry	**ENGL 2318**	no equivalent
	World History to 1500	**HIST 2301**	**HIST 2321**
	World History since 1500	**HIST 2302**	**HIST 2322**
	Introduction to Philosophy	**PHIL 1301**	**PHIL 1301**
	Introduction to Ethics	**PHIL 2306**	**PHIL 2306**
	Making of the Other Americas	**FREN 2322**	no equivalent
	Introduction to Religious Studies	**RS 1301**	no equivalent
	Seeing & Naming: Conversations	**SPAN 2340**	no equivalent
	Introduction to Women's Studies	**WS 2300**	no equivalent
	Global Feminisms	**WS 2350**	no equivalent
	Creative Arts (3 credits) - choose 1 course		
5	Art Appreciation	**ART 1300**	**ARTS 1301**
	History of Art I (Pre-Renaissance Art History)	**ARTH 1305**	**ARTS 1303**
	History of Art II (Renaissance & Modern Art History)	**ARTH 1306**	**ARTS 1304**
	Dance Appreciation	**DANC 1304**	**DANC 2303**
	Introduction to Art of Motion/Film	**FILM 1390**	**DRAM 2366**
	Introduction to Music History	**MUSL 1321**	**MUSI 1307**
	Music Appreciation	**MUSL 1324**	**MUSI 1306**
	Jazz to Rock	**MUSL 1327**	**MUSI 1310**
	Introduction to Theater	**THEA 1313**	**DRAM 1310**

	COURSE NAME	UTEP	EPCC
6	**American History (6 credits) - must take both**		
	History of the U.S. to 1865	**HIST 1301**	**HIST 1301**
	History of the U.S. since 1865	**HIST 1302**	**HIST 1302**
7	**Government/Political Science (6 credits)****		
	Introduction to Politics	**POLS 2310**	**GOVT 2305**
	American Government & Politics	**POLS 2311**	**GOVT 2306**
8	**Social and Behavioral Sciences (3 credits) - choose 1 course**		
	Intro to Physical Anthropology & Archaelology	**ANTH 1301**	**ANTH 2346**
	Intro to Social & Cultural Anthropology	**ANTH 1302**	**ANTH 2351**
	Cultural Geography	**ANTH 1310**	no equivalent
	Introduction to Linguistics	**ANTH 2320**	no equivalent
	Economics for Engineers and Scientists	**CE 2326**	no equivalent
	Interpersonal Communication	**COMM 2350**	no equivalent
	Mass Media and Society	**COMM 2372**	**COMM 1307**
	Principles of Macroeconomics	**ECON 2303**	**ECON 2301**
	Principles of Microeconomics	**ECON 2304**	**ECON 2301**
	Inroduction to Educational Pyschology	**EDPC 1301**	no equivalent
	Action Research in Classrooms	**EDU 1342**	no equivalent
	Introduction to Linguistics	**ENGL 2320**	no equivalent
	Cultural Geography	**GEOG 1310**	no equivalent
	An Introduction to Linguistics	**LING 2320**	no equivalent
	Language Inside and Out: Select Topics	**LING 2340**	no equivalent
	Introduction to Pyschology	**PSYC 1301**	**PSYC 2301**
	Introduction to Sociology	**SOCI 1301**	**SOCI 1301**
	Cultural Geography	**SOCI 1310**	no equivalent
9	**Component Area Option (6 credits) - choose 2 courses**		
	Introduction to Global Business	**BUSN 1301**	no equivalent
	Public Speaking	**COMM 1301**	**SPCH 1315**
	Business/Professional Communication	**COMM 1302**	**SPCH 1321**
	Intro-Computational Thinking	**CS 1310**	no equivalent
	Computer Programming Sci/Eng	**CS 1320**	no equivalent
	Scientific Inquiry	**SCI 1301**	no equivalent
	Seminar/Critical Inquiry	**UNIV 1301**	**EDUC 1300**

IMPORTANT

1. It is recommended that both Political Science courses be completed at EPCC then transferred to UTEP or both be completed at UTEP.
2. All courses used to satisfy the core curriculum must be completed with a grade of "C" or better. This also applies to courses transferred from
3. No substitutions will be allowed in the Core Curriculum.

revised 9-20-16 KMG

UTEP College of Science: Bachelor of Science De
Environmental Sciences - Chemistry Concent

LOWER DIVISION COURSES for the MAJC

	COURSE NAME	UTEP	EPCC	
B	**MAJOR:**			
	Designated (ESCI) Core			C
	Intro to Environmental Sci - Environmental Sci Lab	**ESCI 1301-1101**	no equivalent	
	Environmental Policy & Law	**ESCI 2201**	no equivalent	
	Intro to Environmental Science Rsrch.	**ESCI 2301**	no equivalent	
	Intro to Environmental Science Rsrch.	**ESCI 2204**	no equivalent	
	Environmental Research 2.	**ESC 2105**	no equivalent	
	Senior Project	**ESCI 4301**	no equivalent	
	Environmental Sci. Intership	**ESCI 4398**	no equivalent	
	Prof. development in ESCI	**ESCI 3192**	no equivalent	

IMPORTANT

1 Upper division coursework = 3000 or 4000 level courses

2 Upper division coursework in the major or upper division electives are only available at UTEP (these are not offered at EPCC).

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OR

COURSE NAME	UTEP	EPCC
Environmental Chemistry Concentration		
General Chemistry - Lab for CHEM 1305	**CHEM 1305-1105**	**CHEM 1311-1111**
General Chemistry - Lab for CHEM 1306	**CHEM 1306-1106**	**CHEM 1312-1112**
Introdcutory Mechanics - Lab for PHYS 2320	**PHYS 2320-2120**	no equivalent
Introductory Electromagnetism - Lab for PHYS 2321	**PHYS 2321-2121**	no equivalent
Calculus III	**MATH 2313**	**MATH 2315**
Elementary Statistical Methods	**STAT 2480**	no equivalent
Organic Chemistry I - Organic Chemistr I Lab	**CHEM 2321-2221**	no equivalent
Organic Chemistry II	**CHEM 2322**	no equivalent
Analytical Chemistry- Lab for Chemistry 3310	**CHEM 3310-3110**	no equivalent
Physical Chemistry - Lab for Chemistry 3351	**CHEM 3351-3151**	
Physical Chemistry - Lab for Chemistry 3352	**CHEM 3352-3152**	no equivalent
Instrumental Meths Analyt Chem - lab for 4212	**CHEM 4211-4212**	no equivalent
Biochem I: Struc & Function	**CHEM 3330**	no equivalent
Additional semester hours chosen from: (3 credits)		
Introduction to GIS	**GEOL 4385**	no equivalent
Intro to Remote Sensing	**GEOP 4334**	no equivalent
Intro. To Remote Sensing	**GEOP 4336**	no equivalent
Advanced Spatial Analysis	**GEOG 4310**	no equivalent
Or any upper division Chemistry course		
Additonal Semester Hours Chosen From		

Environmental Health	**HSCI 3306**	no equivalent
Weather and Climate	**GEOG 3306**	no equivalent
Survey of Modern Physics	**PHYS 2325**	no equivalent
Envir. Just. & Min. Comm U.S.	**POLS 4304**	no equivalent
Or any Environmental ethics or		
Environmental Policy Course		