

**BS-ENVIRONMENTAL SCIENCE**

Chemistry Specialization

2018-2019

Year 1	Semester 1 Fall	Semester 2 Spring	Summer	Total
	WRIT 1301 Composition I 3	WRIT 1302 Composition II 3		
	HIST 1301 or POLS 2305 US History I or Federal Government 3	HIST 1302 or POLS 2306 US History II or Texas Government 3		
	COMM 1315 Public Speaking 3	CHEM 1312 & CHEM 1112 General Chemistry II & Lab II 4		
	CHEM 1311 & CHEM 1111 General Chemistry I & Lab I 4	CORE Creative Arts 3		
	PSYC 1100 Learning Frameworks 1	CORE Language, Philosophy and Culture 3		
	Semester Hours 14	16	0	30
Year 2	Semester 1 Fall	Semester 2 Spring	Summer	Total
	HIST 1301 or POLS 2305 US History I or Federal Government 3	HIST 1302 or POLS 2306 US History II or Texas Government 3		
	CHEM 2323 & CHEM 2123 Organic Chemistry I & Lab 4	CHEM 2325 & CHEM 2125 Organic Chemistry II & Lab 4		
	MATH 2413 Calculus I 4	PHYS 1302 & PHYS 1102 College Physics II & Lab II 4		
	PHYS 1301 & PHYS 1101 College Physics I & Lab I 4	CHEM 2301 Analytical Chemistry I 3		
		CORE Social & Behavioral Science 3		
	Semester Hours 15	17	0	32

Year 3	Semester 1 Fall	Semester 2 Spring	Summer	Total
	3000-4000 level Specialization Elective* 3	GEOL 3333 Environmental Geology 3		
	CHEM 3333 Environmental Chemistry 3	INDH 3333 Environmental Safety & Health 3		
	BIOL 3333 Environmental Biology 3	GEOL 4323 Soils in the Environment 3		
	CHEM 2302 Analytical Chemistry II 3	CHEM 3320 Survey of Physical Chemistry 3		
	STAT 3308 Computational Statistics 3	3000-4000 level Specialization Elective* 3		
	Semester Hours 15	15	0	30
Year 4	Semester 1 Fall	Semester 2 Spring	Summer	Total
	CHEM 4352 Water Chemistry & Water Pollution 3	ENSC 4391 Independent Study 3		
	WRIT 3315 Technical Writing 3	CHEM 4356 Soil and Groundwater Remediation 3		
	CHEM 4367 Instrumental Analysis 3	3000-4000 level Specialization Elective * 3		
	3000-4000 level Specialization Elective * 3	CHEM 4251 Lab for Environmental Analysis 2		
	3000-4000 level Specialization Elective * 2	CHEM 4355 Environmental Sampling & Monitoring 3		
	Semester Hours 14	14	0	28
	Total Plan Hours			120

\* Specialization electives are science or related classes selected with approval of faculty advisor

- State of Texas Core Curriculum Course. Please refer to the 2016-2017 UHCL Undergraduate Catalog ([www.uhcl.edu/catalog](http://www.uhcl.edu/catalog)) for approved options.
- This document is only intended as a guide. Please see an academic advisor for assistance with academic planning.

