

ENVIRONMENTAL MANAGEMENT, BACHELOR OF SCIENCE

2018-2019 Degree Plans

University Core Requirements (42 hours):	UHCL Course Title	TCCNS*	CODE
Communications (6 hours):	WRIT 1301—Composition I (<i>Grade must be "C-" or better</i>)	ENGL 1301	010
	WRIT 1302—Composition II (<i>Grade must be "C-" or better</i>)	ENGL 1302	010
Mathematics (3 hours):	MATH 1314—College Algebra	MATH 1314	020
Life and Physical Sciences (6 hours):	CHEM 1311—Chemistry I	CHEM 1311	030
	CHEM 1312, BIOL 1306, ENSC 1301, GEOL 1303 <u>or</u> PHYS 1301		030
Language, Philosophy, and Culture (3 hours):	Choose ONE course from the core approved list		040
Creative Arts (3 hours):	Choose ONE course from the core approved list		050
U.S. History (6 hours):	HIST 1301—U.S. History I	HIST 1301	060
	HIST 1302—U.S. History II	HIST 1302	060
Government/Political Science (6 hours):	POLS 2305—Federal Government	GOVT 2305	070
	POLS 2306—Texas Government	GOVT 2306	070
Social/Behavioral Science (3 hours):	Choose ONE course from the core approved list (can be ECON 2301)	ECON 2301	080
Component Area Option (6 hours):	COMM 1315—Public Speaking	SPCH 1315	090
	PSYC 1100—Learning Frameworks	PSYC 1100	090
	Two 1 hour Life/Physical Science Labs		090

Environmental Management Core Requirements (18 hours):	UHCL Course Title	TCCNS*	CODE
Core Requirements (18 hours):	ACCT 2301—Principles of Accounting I	ACCT 2301	
	ACCT 2302—Principles of Accounting II	ACCT 2302	
	<i>(ACCT 2301 and/or 2302 can be substituted with additional natural science.)</i>		
	ECON 2301—Principles of Macroeconomics (Also satisfies Social/Behavioral Science)	ECON 2301	
	ECON 2302—Principles of Microeconomics	ECON 2302	
	LEGL 2301—Legal Environment of Business	BUSI 2301 or 2302	
	MATH 1324—Finite Math <i>(MATH 1324 can be substituted with MATH 1325, 2412 or 2413)</i>	MATH 1324	

Environmental Management Major Requirements (45 hours):	
Core Requirements (27 hours):	DSCI 3321—Statistics I or STAT 3306—Computational Statistics
	ENVR 3311—Foundations of Environmental Management
	ENVR 4313—Techniques of Environmental Assessment
	ENVR 4315—Introduction to Environmental Law
	ENVR 4332—The Process of Environmental Permitting
	ENVR 4333—Introduction to Pollution Control Technology
	ENVR 4336—Administrative Practice and Ethical Issues
	MGMT 3301—Management Theory and Practice
	WRIT 3315—Technical Writing

Select two of the following courses (6 hours):

ENVR 4311—Principles of Air Quality Management

ENVR 4317—Solid Waste Management Practices

ENVR 4312—Water Management Principles

ENVR 4391— *Special Topics Courses, topic must be approved by faculty coordinator***Select two of the following courses (6 hours):**

MGMT 3313—Organizational Communication

MGMT 4357—Governmental Budget Planning and Assessment

MGMT 3331—Human Resource Management

GEOG 4301—Urban Geography

MGMT 4326—Effective Negotiations

GEOG 4312—Human Geography

MGMT 4327—Leadership

LEGL 3351—Legal Research

MGMT 4353—International Business Management

LEGL 4353—Dispute Resolution

MGMT 4354—Organizational Behavior Theory and Application

Select two of the following courses (6 hours):

BIOL 3333 Environmental Biology

GEOL 4356 Soil and Groundwater Remediation

BIOL 3335 Epidemiology

INDH 3311 Industrial Health and Hygiene

BIOL 3373 Human Anatomy

INDH 3313 Laboratory Safety

BIOL 4311 Ecology

INDH 3332 Principals of Professional Safety

GEOG 4322 Problems in Geographical Information Systems

INDH 3333 Environmental Safety and Health

GEOL 3307 Geographical Information Systems

BIOL 4313 Biology of Fishes

GEOL 3333 Environmental Geology

CHEM 3333 Environmental Chemistry

GEOL 4323 Soils in the Environment

CHEM 4355 Environmental Sampling and Monitoring

GEOL 4327 Natural Disasters

CHEM 4356 Soil and Groundwater Remediation

GEOL 4337 Applied GIS Systems

GEOG 4321 Fundamentals of Geographical Information

Environmental Management Upper-Level Elective Requirements (15 hours):**ENVR Elective (3 hours)**

33XX or 43XX ENVR course not already taken

General Electives (3 hours)

33XX or 43XX courses offered by Colleges of Business, Human Sciences & Humanities, Science & Computer Engineering or Education

Open Electives (9 hours)

These electives can be satisfied with either upper or lower-level course work.

General Degree Requirements

- Students must complete at least 120 semester credit hours. A minimum of 60 hours of the 120 semester hours must be advanced (3000-4000 level) course work according to the requirements of the respective major.
- Students must complete the University Core Curriculum requirements (refer to Core Curriculum Requirements section of this catalog).
- Students must fulfill the statutory requirements of the Texas State Education Code, including the following:
 - Six hours of U.S. History (three hours may be Texas History).
 - Six hours of Constitutions of the United States and Texas.
- Students must demonstrate writing proficiency by completing nine hours of lower-level (1000-2000 level) and upper-level (3000-4000 level) English composition course credit with a minimum grade of "C-" or better. Some majors may require higher grades in English composition.
- Students must complete at least 25% of the credit hours required for the degree (i.e., 30 semester credit hours for a 120 credit hour program) through instruction offered by UHCL to fulfill the Southern Association of Colleges and Schools (SACS) residency requirements.
- Students must complete the final 30 semester hours of 3000 and 4000 level course work in residence at UHCL.
- Students must complete a minimum of 12 semester credit hours of upper-level (3000-4000 level) coursework in the major in residence at UHCL.
- Students must have a cumulative GPA of 2.000 on course work completed at UHCL with grades of "C" or better on at least 30 hours of resident upper-level work. Grades of "C-" or below cannot be applied toward the 30 hours of resident upper-level work.