

## OCCUPATIONAL SAFETY AND HEALTH, BACHELOR OF SCIENCE

## Industrial Hygiene Specialization

2018-2019 Degree Plans

University Core Requirements (43* Hours)	UHCL Course Title	TCCNS	CODE
<b>Communications (6 hours):</b>	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
<b>Mathematics (4* hours):</b>	MATH 2413—Calculus I ( <i>Grade must be "C-" or better</i> )	MATH 2413	020
*Three (3) hours of Calculus will count toward the University Core and one (1) hour will count toward the Major			
<b>Life and Physical Sciences (6 hours):</b>	CHEM 1311—General Chemistry I ( <i>lecture, Grade must be "C-" or better</i> )	CHEM 1311	030
	CHEM 1312—General Chemistry II ( <i>lecture, Grade must be "C-" or better</i> )	CHEM 1312	030
<b>Language, Philosophy, and Culture (3 hours):</b>	Choose ONE course from the core approved list		040
<b>Creative Arts (3 hours):</b>	Choose ONE course from the core approved list		050
<b>U.S. History (6 hours):</b>	HIST 1301—U.S. History I	HIST 1301	060
	HIST 1302—U.S. History II	HIST 1302	060
<b>Government/Political Science (6 hours):</b>	POLS 2305—Federal Government	GOVT 2305	070
	POLS 2306—Texas Government	GOVT 2306	070
<b>Social/Behavioral Science (3 hours):</b>	Choose ONE course from the core approved list		080
<b>Component Area Option (6 hours):</b>	COMM 1315—Public Speaking	SPCH 1315	090
	PSYC 1100—Learning Frameworks	PSYC 1100	090
	CHEM 1111—Lab General Chemistry I ( <i>Grade must be "C-" or better</i> )	CHEM 1111	090
	CHEM 1112—Lab for General Chemistry II ( <i>Grade must be "C-" or better</i> )	CHEM 1112	090

Major Requirements (33 hours)	UHCL Course Title	TCCNS*	CODE
<b>Required minimum grade is "C-" in the following classes:</b>			
	WRIT 3315—Technical Writing		
	PHYS 1301/1101—College Physics I & Lab	PHYS 1301/1101	030/090
	PHYS 1302/1102—College Physics II & Lab	PHYS 1302/1102	030/090
	STAT 3308—Computational Statistics		
	CHEM 2323/2123—Organic Chemistry I & Lab	CHEM 2323/2123	
	CHEM 3333/ENSC 3332—Environmental Chemistry		
	BIOL 3333/ENSC 3331—Environmental Biology		
	GEOL 3333/ENSC 3333—Environmental Geology		
	INDH 3333—Environmental Hygiene and Safety		
	ENSC/INDH 43xx 3 hours: Internship, Independent Study, Seminar or Advanced Studies		

Specialization Requirements (32 hours)	UHCL Course Title	TCCNS*	CODE
<b>Required minimum grade is "C-" for all Specialization and Elective requirements</b>			
	BIOL 2301/2101—Anatomy and Physiology I & Lab	BIOL 2301/2101	
	BIOL 2302/2102—Anatomy and Physiology II & Lab	BIOL 2302/2102	
	BIOL 4325/ENSC 4325—Environmental Toxicology		
	INDH 3332—Principles of Safety		
	INDH 3311—Industrial Health and Hygiene		

**Specialization Requirements (32 hours, continued)**

INDH 4311—Noise and Hearing Conservation
INDH 4313—Industrial Ventilation
INDH 4315—Industrial Radiological Health
INDH 4321—Ergonomics, Human Factors and Workspace Design
INDH 4322—Industrial Hygiene Sampling Analysis

**Specialization Electives (12 hours)****Required minimum grade is "C-" for all Specialization Electives**

Specialization electives are junior or senior level science or related classes chosen from: INDH 3340, INDH 4323, INDH 4324, INDH 4333

## General Degree Requirements

- Students must complete at least 120 semester credit hours. A minimum of 45 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.