

BACHELOR OF SCIENCE – INTERDISCIPLINARY STUDIES

Middle School Teacher Certification, Science 4-8

2018-2019 Degree Plans

University Core Requirements (43 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 (4 hours):	MATH 2412—Pre-Calculus Mathematics (<i>Grade must be "C-" or better</i>)	MATH 2412	020
Life and Physical Sciences (6 hours):	BIOL 1306—Biology for Science Majors I	BIOL 1406	030
	BIOL 1307—Biology for Science Majors II	BIOL 1407	030
Language, Philosophy, and Culture (3 hours):	Choose ONE course from the UHCL core approved list		040
Creative Arts (3 hours):	Choose ONE course from the UHCL 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 UHCL core approved list		080
Component Area Option (6 hours):	COMM 1315—Public Speaking	SPCH 1315	090
	PSYC 1100—Learning Frameworks	PSYC 1100	090
	BIOL 1106—Laboratory for Biology for Science Majors I		
	BIOL 1107—Laboratory for Biology for Science Majors II		

COE Core Requirements (19 hours):	UHCL Course Title	TCCNS*	CODE
	TCED 1301—Exploring Teaching as a Profession	EDUC 1301	
	SPED 2301—Introduction to Special Populations	EDUC 2301	
	INST 3313—Survey of Instructional Technologies		
	TCED 4102--Secondary (4-8 & 7-12) Content Teacher Seminar		
	EDUC 4310—Theories of Educational Psychology		
	SILC 4315—Theories of American Pluralism		
	SPED 4300—Survey of Exceptionalities		

Teacher Education Program (TEP) Admission Requirements:

- Completion of 60 semester credit hours.
- Completion of prerequisite coursework (EDUC 4310, INST 3313, SILC 4315 & TCED 4102).
- Public speaking requirement met.
- Basic skills in reading, mathematics & writing requirements met.
- 2.750 GPA overall or in the last 60 semester credit hours.
- Completion of 15 semester credit hours in science.
- \$57 TEA Admission Fee
- Application for admission to the Teacher Education Program (TEP).

Major Requirements (49 hours):	UHCL Course Title	TCCNS*	CODE
	CHEM 1311—General Chemistry I	CHEM 1411	
	CHEM 1111—Laboratory for General Chemistry I		

Major Requirements (48 hours, continued):	UHCL Course Title	TCCNS*	CODE
	CHEM 1312—General Chemistry II	CHEM 1412	
	CHEM 1112—Laboratory for General Chemistry II		
	ENSC 1301—Environmental Science I	ENVR 1401	
	ENSC 1101—Laboratory for Environmental Science I		
	GEOL 1303—Physical Geology	GEOL 1403	
	GEOL 1103—Laboratory for Physical Geology		
	GEOL 1304—Historical Geology	GEOL 1404	
	GEOL 1104—Laboratory for Historical Geology		
	GEOL 3305—Fundamentals of Earth Science		
	LLLS 4311 —Survey of Reading		
	LLLS 4351 —Reading in Content Subjects		
	MATH 1350—Fundamentals of Mathematics I	MATH 1350	
	MATH 1351—Fundamentals of Mathematics II	MATH 1351	
	PHYS 1301—College Physics I	PHYS 1401	
	PHYS 1101—Laboratory for College Physics I		
	PHYS 1302—College Physics II	PHYS 1402	
	PHYS 1102—Laboratory for College Physics II		
	TCED 4304—Creating Positive Learning Environments in 4-8		
Choose ONE of the following:	WRIT 3307—Writing for Education		
	WRIT 3307—Advanced Writing		

- GPA of 2.500 or higher required in natural science coursework.
- Grade of B- or better required in WRIT 3304 or WRIT 3307.

Pedagogy Requirements (15 hours):

TCED 4332—Science Methods for Grades 4-8	TCED 4978—Pre-Service Internship II/Student Teaching
TCED 4378—Pre-Service Internship I	

- Enrollment in the courses listed above requires admission to TEP.
- 3.000 GPA required in pedagogy coursework.
- TCED 4378 must be taken in the fall or spring semester immediately preceding the final semester.
- TCED 4978 must be taken in the final semester.

Teacher Certification Requirements

- Passing scores on the appropriate state assessments (Texas Examinations of Educator Standards [TExES]) are required for recommendation for teacher certification.
 - Science 4-8 TExES #116
 - Pedagogy and Professional Responsibilities EC-12 TExES #160
- All courses outside the University Core must be C- or better.

General Degree Requirements

- Students must complete at least 126 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 in the UHCL 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.