

**BIOLOGICAL SCIENCE, BACHELOR OF ARTS**

## High School Teacher Certification, Life Science 7-12

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):	BIOL 1306—Biology for Science Majors I ( <i>Grade must be "C-" or better</i> )	BIOL 1406	030
	BIOL 1307—Biology for Science Majors II ( <i>Grade must be "C-" or better</i> )	BIOL 1407	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		080
Component Area Option (6 hours):	COMM 1315—Public Speaking	SPCH 1315	090
	PSYC 1100—Learning Frameworks	PSYC 1100	090
	BIOL 1106—Lab for Biology for Science Majors I ( <i>Grade must be "C-" or better</i> )	BIOL 1106	090
	BIOL 1107—Lab for Biology for Science Majors II ( <i>Grade must be "C-" or better</i> )	BIOL 1107	090

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		
	EDUC 4310—Theories of Educational Psychology		
	SILC 4315—Theories of American Pluralism		
	TCED 4102--Secondary (4-8 & 7-12) Content Teacher Seminar		
	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.
- Completed 15 semester credit hours in life science.
- \$57 TEA Admission Fee
- Application for admission to the Teacher Education Program (TEP)

Major Requirements (51 hours):	UHCL Course Title
	LLLS 4351—Reading in Content Subjects
	STAT 3308—Computational Statistics

**Major Requirements (51, Continued):**

TCED 4306—Creating Positive Learning Environments in 7-12	<b>Choose ONE course from the following 2 choices:</b> BIOL 3307—Cell Biology
WRIT 3315—Technical Writing (Grade of B- or better)	
<b>Choose ONE Natural Science Elective, in addition to University Core science (3 hours from: ASTR, BIOL, CHEM, ENSC, GEOL or PHYS)</b>	BIOL 4341—Biochemistry I
CHEM 1311—General Chemistry I	
CHEM 1111—Laboratory for General Chemistry I	<b>Choose ONE course from the following 3 choices:</b> BIOL 4343—Plant Physiology BIOL 4344—Comparative Animal Physiology BIOL 4345—Human Physiology
CHEM 1312—General Chemistry II	
CHEM 1112—Laboratory for General Chemistry II	
CHEM 2323—Organic Chemistry I	<b>Choose ONE course from the following 3 choices:</b> BIOL 3311—Marine Biology BIOL 3333—Environmental Biology BIOL 4305—Ecology of the Amazon
CHEM 2123—Laboratory for Organic Chemistry I	
BIOL 3341—Genetics	
BIOL 3141—Genetics Laboratory	<b>Choose ONE course from the following two choices:</b> BIOL 3335—Epidemiology BIOL 4311—Ecology
BIOL 2321—Microbiology for Science Majors	
BIOL 2121—Laboratory for Microbiology for Science Majors	
<ul style="list-style-type: none"> <li>GPA of 2.500 or higher required in Natural Science coursework.</li> <li>Grade of B- or better required in WRIT 3315</li> </ul>	<b>Choose ONE course combination from the following 3 choices with required labs:</b> BIOL 3313/3113—Plant Anatomy and Lab BIOL 3373/3173—Human Anatomy and Lab BIOL 4313/4113—Biology of Fishes and Lab

**Pedagogy Requirements (15 hours):**

TCED 4362—Methods in Secondary Science	TCED 4978—Pre-Service Internship II/Student Teaching
TCED 4378—Pre-Service Internship I	
<ul style="list-style-type: none"> <li>Enrollment in the courses listed above requires admission to TEP.</li> <li>3.000 GPA required in pedagogy coursework.</li> <li>TCED 4378 must be taken in the fall or spring semester immediately preceding the final semester.</li> <li>TCED 4978 must be taken in the final semester.</li> </ul>	

**Teacher Certification Requirements**

- Passing scores on the appropriate state assessments (Texas Examinations of Educator Standards [TEXES]) are required for recommendation for teacher certification.
  - Life Science 7-12 TEXES #238
  - 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 127 semester credit hours. A minimum of 45 hours of the 127 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.