

## UNIVERSITY-REQUIRED TRANSFER COURSES

### Bachelor of Arts- Biological Science

High School Certification: 8-12 Life Science

2012-2013 2+2 Transfer Plan to University of Houston-Clear Lake

CORE CURRICULUM <sup>A</sup>	COURSE TITLE	HOURS	CODE <sup>A</sup>
<b>Communication:</b>	ENGL 1301 – Composition I (Grade must be “C-” or better)	3	10
	ENGL 1302 – Composition II (Grade must be “C-” or better)	3	10
<b>Speech/Communication:</b>	Public Speaking <b>required</b> for certification <sup>3</sup> (suggested courses include: SPCH 1311, 1315, 1321, 1342, 2341, 2335, 2336)	3	11
<b>Mathematics:</b>	MATH 1314 – College Algebra, equivalent or higher-level math	3	20
<b>Natural Science:</b>	Biology <b>required</b> <sup>2,3</sup>	3	30
	Biology <b>required</b> <sup>2,3</sup>	3	30
<b>Humanities:</b>	ENGL literature preferred (sophomore-level) <sup>1</sup> (other acceptable courses include: HUMA, PHIL, RELI)	3	40
<b>Visual &amp; Performing Arts:</b>	Suggested courses include <sup>1</sup> : ARTS, DANC, DRAM, MUSI or MUAP	3	50
<b>Social &amp; Behavioral Science:</b>	HIST 1301 – United States History I <sup>1</sup>	3	60
	HIST 1302 – United States History II <sup>1</sup> or HIST 2301 – Texas History <sup>1</sup> (six hours of American History required, three of which may be Texas History)	3	60
	GOVT 2301 – American Government I	3	70
	GOVT 2302 – American Government II	3	70
	GEOG 1303 – Global Geography <b>preferred</b> <sup>1</sup> (other acceptable courses include: PSYC, SOCI, ECON, ANTH)	3	80
	Suggested courses include: ITSC 1301/1401, 1309, EDTC 1341, POFI 1301/1401, COSC 1301/1401 or BCIS 1305/1405 (other courses may meet this requirement) <sup>1</sup>	3	90
<b>Total Hours:</b>		<b>42</b>	
ADDITIONAL REQUIRED LOWER-LEVEL AND FIELD OF STUDY COURSES			HOURS
EDUC 1301 – Introduction to the Teaching Profession <sup>3,4</sup>		3	
EDUC 2301 – Introduction to Special Populations <sup>3,4</sup>		3	
CHEM 1411 – General Chemistry I <sup>3</sup>		3	
CHEM 1412 – General Chemistry II <sup>3</sup>		3	
CHEM 2423 – Organic Chemistry I <sup>1,3</sup>		3	
Natural Science Elective <sup>1,3</sup>		3	

#### NOTES:

- <sup>A</sup> UHCL’s requirements are consistent with the 42-hour Texas core curriculum. If a student completes components of the core at one Texas institution, those courses will substitute for UHCL’s same core components. If a student is core complete at any Texas Institution the student is also core complete at UHCL, however, foundation (#) courses are still required. The Core Code is used by Texas schools to identify which area of the 42-hour core curriculum a course fulfills.
- These General Education Requirements may be fulfilled by approved upper-level equivalents at UHCL.
  - Botany (BIOL 1411) and Zoology (BIOL 1413) are preferred. Anatomy and Physiology I and II may also be completed.
  - Must be completed with a grade of “C-” or better.
  - These courses are required for students pursuing the Associate of Arts in Teaching (AAT). Students not pursuing the AAT may replace these courses with approved upper-level electives.
- Associate degree requirements at the community college, including the minimum allowed grade point average, are found in the community college catalog in effect during the candidate’s initial semester of continuous enrollment. See a community college counselor for more information. Please note that not all courses are offered at all community colleges. Check with your counselor for availability of courses on your campus.
  - In order to meet the UHCL admission requirement of 54 hours with a cumulative GPA of 2.0 or higher, candidates may complete additional coursework at the lower level. Candidates should contact the School of Education at UHCL about additional lower-level coursework that may apply toward the bachelor’s degree.
  - Candidates are encouraged to attend an Admissions Preview during the semester prior to enrollment at UHCL. Contact the Office of Admissions at 281-283-2521 for dates.

The Texas State Legislature limits the number of hours undergraduates can attempt in excess of the hours required for their degree without incurring a financial penalty. A recovery fee of \$130 per semester credit hours is added to regular tuition for students who exceed the limits. Attempted hours include credits completed plus withdrawals and repeats. Undergraduates who enrolled in a Texas public college or university between Fall 1999 and Summer 2006 are allowed 45 attempted hours in excess of those required for their degree (120) and undergraduates who enrolled Fall 2006 and later are allowed 30 excess attempted hours. When these limits are exceeded, the penalty goes in to effect. Details at: <http://prtl.uhcl.edu/portal/page/portal/AR/excess-hours>



University  
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Clear Lake

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## Bachelor of Arts-- Biological Science

### High School Certification: 8-12 Life Science

#### SCHOOL OF SCIENCE AND COMPUTER ENGINEERING DEGREE REQUIREMENTS

- A total of 127 semester hours of applicable college credit for the Bachelor of Arts degree. No more than 30 semester hours of previously earned lower-level credit may have been taken by correspondence, extension or CLEP.
- At least 30 hours of the degree program must be taken in residence at UHCL.
- A minimum of 9 hours of composition are required for all UHCL bachelor's degrees.
- A cumulative GPA of 2.0 on coursework completed at UHCL with grades of "C" or better on at least 30 hours of resident upper-level work. Grades of "C-" and below cannot be applied toward the 30 hours of resident upper-level work.
- For teacher certification, all UHCL courses must be "C-" or better. GPA of 2.5 or higher required in the Academic Specialization and GPA of 3.0 required in the Pedagogy coursework.
- Remain continuously enrolled (complete at least one course in a 12 month period) or meet requirements of a later catalog.
- Complete the degree within seven years or meet requirements of a later catalog.

#### PREREQUISITES TO TEACHER EDUCATION PROGRAM (9 HOURS)

EDUC 4130 – Theories of Educational Psychology (F/Sp/Su)

INST 3133 – Survey of Instructional Technologies (F/Sp/Su)

SILC 4135 – Theories of American Pluralism (F/Sp/Su)

TASP/THEA with minimum scores of Reading – 260, Writing – 230, Mathematics – 230<sup>1</sup>

Public Speaking requirement met

2.50 GPA overall or in the last 60 semester credit hours

Completed 12 semester credit hours in the subject-specific content area for target teacher certification

Application for admission to Teacher Education Program (TEP) – available in the online ABC Workshop at [www.uhcl.edu/soe](http://www.uhcl.edu/soe)

#### ACADEMIC SPECIALIZATION (25 HOURS) 2.50 GPA REQUIRED IN ACADEMIC SPECIALIZATION COURSES

One course from: BIOL 3037 or BIOL 4431

One course from: BIOL 3134, or BIOL 4434, or 4435

One course from: BIOL 3131, or BIOL 3333, BIOL 4035, or BIOL 4131

One pair of courses from: BIOL 3031/3011, or BIOL 3133/3113, or BIOL 3733/3713, or BIOL 4133/4113

BIOL 3431 and BIOL 3411 Genetics with Laboratory

BIOL 3231 and BIOL 3221 Fundamentals of Microbiology with Laboratory

BIOL 4031 and BIOL 4011 Methods in Life Science with Laboratory

#### OTHER REQUIRED COURSES (16 HOURS)

WRIT 3135 – Technical Writing (*grade of B- or better*)

LLLS 4531 – Reading in Content Subjects (F/Sp/Su)

MATH 3038 – Computational Statistics (F/Sp/Su)

SPED 4030 – Survey of Exceptionalities (F/Sp/Su)

TCED 4034 – Creating Positive Learning Environments in 4-8 & 8-12 (*prerequisites are WRIT 3135 & INST 3133*) (F/Sp/Su)

TCED 4010 – Senior Seminar EC-12 (***requires admission to TEP***) (F/Sp/Su)

#### PEDAGOGY (15 HOURS): ADMISSION TO TEP REQUIRED AND 3.00 GPA REQUIRED IN PEDAGOGY COURSES (OFFERED FALL/SPRING ONLY)

TCED 4632 – Methods in Secondary Science (*pre or co-requisite is TCED 4034*) (Sp)

**Must Be Taken Semester Immediately Preceding Final Semester:**

TCED 4738 – Pre-Service Internship I (*Every Wednesday in the field*)

**Final Semester:**

TCED 4798 – Pre-Service Internship II (*prerequisite is passing scores on all required state assessments*) (*Every day in the field*)

#### PASSING SCORES ON THE APPROPRIATE STATE ASSESSMENTS – TEXAS EXAMINATIONS OF EDUCATOR STANDARDS (TEXES)

8-12 Life Science TEXES #138

EC-12 Pedagogy and Professional Responsibilities TEXES #160

<sup>1</sup> – Students must attempt the THEA at least once each long semester until the scores required to enter the Teacher Education Program are achieved.

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