

UNIVERSITY-REQUIRED TRANSFER COURSES Biological Sciences

Bachelor of Arts or Bachelor of Science at UHCL

2009-2010 2+2 Transfer Plan to University of Houston-Clear Lake

FOOT NOTE	CORE CURRICULUM REQUIREMENTS*	HRS	CODE	FOOT NOTE	HRS
a	ENGL 1301 Composition I	3	10	<u>FOUNDATIONS FOR B.A. DEGREE*</u>	
a, #	ENGL 2311 Technical Writing (preferred) OR - ENGL 1302 Composition II	3	10	d, #	CHEM 1411 General Chemistry I 4
b	Speech Communication**	3	11	d, #	CHEM 1412 General Chemistry II 4
c, #	For B.A. MATH 1314 College Algebra For B.S. Calculus I required (see BS foundation)	(3) (3)	20	j, #	CHEM 2423 Organic Chemistry I** Electives 4 <hr/> 16*
d, #	BIOL 1406 General Biology I	4	30	<u>FOUNDATIONS FOR B.S. DEGREE *</u>	
d, #	BIOL 1407 General Biology II	4	30	d, #	CHEM 1411 General Chemistry I 4
e	Humanities**	3	40	d, #	CHEM 1412 General Chemistry II 4
f	Visual & Performing Arts **	3	50	c, #	MATH 2413 Calculus I (from Core column) 4
g	HIST 1301 American History I**	3	60	k, #	PHYS 1401 College Physics I 4
g	HIST 1302 American History II** or HIST 2301, 2302 or 2303 Texas History	3	60	k, #	PHYS 1402 College Physics II 4 <hr/> 16*
	GOVT 2301 US and Texas Constitutions	3	70	Total lower-level transfer credit for B.A. 60	
	GOVT 2302 US and Texas Institutions	3	70	Total lower-level transfer credit for B.S. 60	
h	Social & Behavioral Science **	3	80		
i	Computer Competency**	3	90		
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EXPLANATION OF FOOTNOTES

- * 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 courses may be fulfilled by approved upper-level equivalents at UHCL.
- # These courses are included in the Program Foundation. For the B.A. they must be completed with a grade of "C-" or better. For the B.S. they must be completed with a grade of "C" or better.
- a Admission to UHCL requires **prior** completion of six hours of English Composition/Writing classes with grade of "C-" or better. *ENGL 1301 Composition I* (3 hrs) is an admission requirement for all UHCL applicants. *ENGL 2311 Technical Writing* (3 hrs), a program foundation course, will satisfy the second (3 hr) English entrance requirement for UHCL Science and Computer Engineering majors if taken at the transfer institution **prior** to admission. If an applicant takes *ENGL 1302 Composition II* instead of Technical Writing, UHCL entrance requirements are satisfied, but *Technical Writing* must also be completed before graduation. (At UHCL, WRIT 3135 can be taken as a designated elective.)
- b Suggested courses for Speech/Communication include: any SPCH course. At some community colleges, foreign languages may also fulfill state core speech requirements.
- c For B.A. degree, MATH 1314 or higher is required. For B.S. degree MATH 2413 is required.
- d General Biology I and II and General Chemistry I and II **must** be completed before the student can begin the bachelor's program at UHCL. Check with your advisor for further information.
- e Suggested courses for Humanities include any ENGL literature, HUMA, PHIL, RELI, or sophomore-level foreign language course – also any SPCH or HIST taken in addition to core requirements.
- f Suggested courses for Visual & Performing Arts include: any ARTS, DANC, DRAM, MUSI, or MUAP course. Three semester credit hours required.
- g Six hours of U.S. History required: three hours may be in Texas History. Six hours of U.S. Government are required and three of the six hours must, by state law, include Texas Constitutional Government.
- h Suggested courses for Social & Behavioral Science include: any ANTH, ECON, GEOG, PSYC, or SOCI course - also any GOVT, HIST, or POLS course taken in addition to core requirements.
- i Suggested courses for Computer Competency include any COSC or CSCI course. Other courses may meet this requirement. Please check with an advisor on your campus.
- j The *lower-level* class *CHEM 2423 Organic Chemistry*, taken at Community college, is acceptable **only** for the BA degree. For B.S. degree, take *upper-level* Organic Chemistry: CHEM 3233, CHEM 3234 and CHEM 3224 at UHCL.
- k For the B.A. degree PHYS courses are *recommended*. For the B.S. degree College Physics I and II are *required*.



**University
of Houston
Clear Lake**

2700 Bay Area Blvd.
Houston, TX 77058
www.UHCL.edu

Bachelor of Arts or Bachelor of Science Biological Sciences

2009-2010 Catalog

GENERAL DEGREE REQUIREMENTS

- 120 semester hours of applicable college credits are required for the Bachelor of Arts or the Bachelor of Science degrees. A maximum of three hours of lower-level "activities" credits may apply toward graduation. If approved, up to 18 hours of lower-level correspondence, extension or CLEP credit may apply as lower level credit toward graduation in accordance with catalog rules.
- At least 30 hours of the degree plan, including at least 12 hours in the major, must be completed in residence at UHCL. At least 60 hours must be upper-level.
- A cumulative GPA of at least 2.000 must be maintained for course work completed at UHCL, with grades of "C" or better in at least 30 hours of UHCL classes.
- Students must remain continuously enrolled (complete at least one course in a 12 month period) or meet the requirements of a later catalog.
- Students must complete the degree within seven years or meet requirements of a later catalog.

BASIC REQUIREMENTS

For the B.A. degree, graduation requires at least 12 upper-level hours in Biology completed at UHCL with grades of "C" or better.

For the B.S. degree all foundation, core and specialization courses must be completed with grades of "C" or better. Upper-level general electives are selected with advisor approval. For the B.S. degree, three specialization areas are available to students.

BACHELOR OF ARTS IN BIOLOGY (B.A.) DEGREE - UHCL DEGREE REQUIREMENTS (60 HOURS)

MATH 3038 Statistics	3hrs	BIOL 4728 Seminar in Biology	2hrs
BIOL 3431/3411 Genetics and Laboratory	4hrs	Anatomy - BIOL 3733/3713 or 3133/3113 or 3031/3011	4hrs
BIOL 3037 Cellular Biol or BIOL 4431 Biochemistry I	3hrs	Physiology - BIOL 4435 or 4434 or 3134	3hrs
BIOL 4131 Ecology or BIOL 3335 Epidemiology	3hrs	WRIT 3135 Technical Writing (if not taken previously)	3hrs
BIOL 3333 Environmental Biology or BIOL 3131 Marine Biology or BIOL 3231 Microbiology			3hrs
GENERAL ELECTIVES (Approval of faculty advisor required before enrolling in a general electives)			32hrs

BACHELOR OF SCIENCE IN BIOLOGY (B.S.) DEGREE - UHCL DEGREE REQUIREMENTS (60 HOURS)

UHCL PLAN CORE REQUIREMENTS FOR B.S. DEGREE (25-28 HOURS)

CHEM 3233/3234/3224 Organic Chemistry I/II/Lab	8hrs	BIOL 4131 Ecology	3hrs
BIOL 3431/3411 Genetics/Lab	4hrs	BIOL 4728 Seminar in Biology	2hrs
BIOL 4431/4422 Biochemistry I/Lab	5hrs	MATH 3038 Statistics	3hrs
WRIT 3135 Technical Writing (if not taken previously)	3hrs		

CHOOSE ONE SPECIALIZATION AREA.

CELLULAR / MOLECULAR SPECIALIZATION AREA (18-19 HRS) + GENERAL UPPER-LEVEL ELECTIVES

BIOL 4432 Biochemistry II	3hrs	BIOL 4437 Cell Physiology	3hrs
BIOL 4531 Molecular Biology	3hrs	Anatomy - BIOL 3031 or 3133 or 3733/3713	3-4hrs
BIOL 4438 Developmental Biology	3hrs	Physiology - BIOL 4435 or 4434 or 3134	3hrs
GENERAL ELECTIVES (faculty advisor approved)			

PHYSIOLOGY / PRE-HEALTH SPECIALIZATION AREA (19 HRS) + GENERAL UPPER-LEVEL ELECTIVES

BIOL 4432 Biochemistry II	3hrs	BIOL 3231 Microbiology	3hrs
BIOL 3733/3713 Human Anatomy and Lab	4hrs	BIOL 4435 Human Physiology	3hrs
BIOL 4631 Immunology	3hrs		
BIOL 4437 Cell Physiology or BIOL 4436 Pathophysiology or BIOL 4531 Molecular Biology			3 hrs
GENERAL ELECTIVES (faculty advisor approved)			

ECOLOGY / MICROBIOLOGY SPECIALIZATION AREA (20-21 HRS) + GENERAL UPPER-LEVEL ELECTIVES

BIOL 4434 or BIOL 3134 Physiology	3hrs	BIOL 3231/3221 Microbiology/Lab	5hrs
BIOL 3031 or BIOL 3133 Anatomy	3hrs	BIOL 4235 Environmental Toxicology	3hrs
BIOL 4233 Field Biol or BIOL 3131 Marine Biol or BIOL 3333 Environ Biol			3hrs
BIOL 4237 Plant ID or BIOL 3334 Environ & Public Hlth Microbiol or BIOL 4133/4113 Biology of Fishes and Lab			3-4hrs
GENERAL ELECTIVES (faculty advisor approved)			

School of Science and Computer Engineering Advising Office

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