

**UH-Downtown • Department of Natural Sciences
Student Worksheet for Bachelor of Science in Biotechnology**

(August 2008)

Name _____ Student ID # _____
Phone _____ Email _____

Notice to all advisors: List only the courses and grades that are to be applied to this degree. List course grade to the left of the course number. Put a (T) to the left of transfer courses. Check boxes when requirements are completed.

General Education Core (30 hrs)

<input type="checkbox"/>	<input type="checkbox"/>	ENG 1301 - Composition I
<input type="checkbox"/>	<input type="checkbox"/>	ENG 1302 - Composition II
<input type="checkbox"/>	<input type="checkbox"/>	ENG 23XX - Sophomore Lit _____
<input type="checkbox"/>	<input type="checkbox"/>	Fine Arts (ART, DRA, MUS) _____
<input type="checkbox"/>	<input type="checkbox"/>	COMM 1304, 3304, or 3306 - Speech

<input type="checkbox"/>	<input type="checkbox"/>	POLS 2303 - US Govt I
<input type="checkbox"/>	<input type="checkbox"/>	POLS 2304 - US Govt II
<input type="checkbox"/>	<input type="checkbox"/>	HIST 1305, 1306, 2303, or 2309 - History
<input type="checkbox"/>	<input type="checkbox"/>	HIST 1305, 1306, 2303, or 2309 - History
<input type="checkbox"/>	<input type="checkbox"/>	Social/Behavioral Sciences* _____

Technical Writing (3 Hours)

<input type="checkbox"/>	<input type="checkbox"/>	ENG 3302, 3325, 3326, 3329, or 4306
--------------------------	--------------------------	-------------------------------------

*see University Catalog for Core Curriculum options

Basic Science and Math (43 hrs)

<input type="checkbox"/>	<input type="checkbox"/>	MATH 1404 - Precalculus
<input type="checkbox"/>	<input type="checkbox"/>	MATH 2401 - Calculus I
<input type="checkbox"/>	<input type="checkbox"/>	STAT 3311 - Stat Analysis for NS
<input type="checkbox"/>	<input type="checkbox"/>	CS 1408 - VB or CS 1410 - C++
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1301/1101 - Gen Bio I

<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1302/1102 - Gen Bio II
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1307/1107 - Gen Chem I
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1308/1108 - Gen Chem II
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 2305/2105 - Gen Mbio

An additional 8 hrs of lower-level biology or physics (8 hrs of physics is required for graduate school in the life sciences or for professional school admissions)

<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
--------------------------	--------------------------	-------	--------------------------	--------------------------	-------

Upper-Level Science (43-45 hrs)

Required Courses

<input type="checkbox"/>	<input type="checkbox"/>	BIOL 3303/3103 - General Genetics
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 3330/3130 or 3340/3140 - Plant Bio or Fungi
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4220 - Intro to Genomics & Bioinformatics
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4230 - Adv Lab in Cell & Molecular Bio
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4330 - Molecular Bio
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3301/3201 - Organic Chem I
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4340/4140 - Gen Biochem I

<input type="checkbox"/>	<input type="checkbox"/>	BIOL/MBIO 4210 - Bio Seminar
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4310 - Microbial Biotech
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4320/4120 - Immunology
<input type="checkbox"/>	<input type="checkbox"/>	Select one: CHEM 3302/3202, 3310/3110
<input type="checkbox"/>	<input type="checkbox"/>	Select one: BIOL 4320, CHEM 4342, 4364, BIOL/CHEM/MBIO 4390*, STAT 4307, MATH 3301, 4304, 4315, or 4399
<input type="checkbox"/>	<input type="checkbox"/>	Select one: BIOL 4313/4113, 4325, BIOL/CHEM/MBIO 4390*, CHEM 4360, MBIO 3320, 3340, CS 3300, 3308, 4306, 4328, 4333, or 4399

INTERNSHIP or RESEARCH PROJECT IN BIOTECHNOLOGY (3 hrs)

*BIOL/CHEM/MBIO 4390 must be approved for the degree plan in writing by your Faculty Advisor

Approved Electives (at least 8 hrs)

Electives must be approved by your faculty advisor and/or program coordinator. Students are encouraged to use an appropriate research experience to satisfy three hours of this requirement.

<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
--------------------------	--------------------------	-------	--------------------------	--------------------------	-------

130-132 Hrs Required

ADDITIONAL REQUIREMENTS - May be satisfied by requirements above

Writing Proficiency Exam (WPE) - All students must take and pass the WPE after completing 60 credit hours and before completing 75 hours. Transfer students with more than 75 hours must attempt the exam during their first semester at UH.

TSI Complete - See university catalog for more information

ONE ETHICAL AND MORAL ISSUES COURSE - See NS website for eligible courses

ONE ADDITIONAL WRITING SKILLS COURSE - See NS website for eligible courses

ONE WORLD COMMUNITY COURSE - See NS website for eligible courses

ENG 2301, 2302, 2313, or 2314 will satisfy both the Sophomore Lit and World Community requirements.

ONE NONVERBAL ANALYTICAL SKILLS COURSE - Satisfied by degree requirements