

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

(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"/>	POLS 2303 - US Govt I
<input type="checkbox"/>	<input type="checkbox"/>	ENG 1302 - Composition II	<input type="checkbox"/>	<input type="checkbox"/>	POLS 2304 - US Govt II
<input type="checkbox"/>	<input type="checkbox"/>	ENG 23XX - Sophomore Lit _____	<input type="checkbox"/>	<input type="checkbox"/>	HIST 1305, 1306, 2303, or 2309 - History
<input type="checkbox"/>	<input type="checkbox"/>	Fine Arts (ART, DRA, MUS) _____	<input type="checkbox"/>	<input type="checkbox"/>	HIST 1305, 1306, 2303, or 2309 - History
<input type="checkbox"/>	<input type="checkbox"/>	COMM 1304 or 3306 - Speech	<input type="checkbox"/>	<input type="checkbox"/>	Social/Behavioral Sciences* _____

Technical Writing (3 hrs)

English 3302, 3325, 3326, 3329, or 4306

*see University Catalog for Core Curriculum options

Basic Math and Science (43 hrs)

<input type="checkbox"/>	<input type="checkbox"/>	CS 1408 - VB <u>or</u> CS 1410 - C++	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1307/1107 - Gen Chem I
<input type="checkbox"/>	<input type="checkbox"/>	MATH 1404 - Precalculus	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1308/1108 - Gen Chem II
<input type="checkbox"/>	<input type="checkbox"/>	MATH 2401 - Calculus I	<input type="checkbox"/>	<input type="checkbox"/>	MBIO 2305/2105 - Gen Mbio*
<input type="checkbox"/>	<input type="checkbox"/>	STAT 3311 - Stat Analysis for NS	<input type="checkbox"/>	<input type="checkbox"/>	PHYS 1307/1107 - Gen Phys I
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1301/1101 - Gen Bio I	<input type="checkbox"/>	<input type="checkbox"/>	PHYS 1308/1108 - Gen Phys II
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1302/1102 - Gen Bio II			

*A grade of C or better in both MBIO 2305 & MBIO 2105 must be earned before entering any upper-level MBIO courses.

REQUIRED UPPER-LEVEL COURSES (29 hrs)

<input type="checkbox"/>	<input type="checkbox"/>	BIOL 3303/3103 - General Genetics	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4340/4140 - Gen Biochem I
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4320 - Cellular Bio	<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4210 - Mbio Seminar
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3301/3201 - Organic Chem I	<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4320/4120 - Immunology
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3302/3202 - Organic Chem II	<input type="checkbox"/>	<input type="checkbox"/>	BIOL/MBIO 4230 - Adv Lab in Cell & Molecular Bio

UPPER-LEVEL CONCENTRATION (16 hrs)

In addition to the requirements listed above, choose a minimum of three (3) courses from Category A and one (1) from Category B. Total credit must equal a minimum of sixteen (16) hours.

Category A

<input type="checkbox"/>	<input type="checkbox"/>	MBIO 3320 - Virology
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 3340 - Environmental Mbio
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4310 - Microbial Biotech
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4340/4140 - Pathogenic Mbio*
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 3340/MBIO 3350 - Fungi
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 3140/MBIO 3150 - Fungi Lab
<input type="checkbox"/>	<input type="checkbox"/>	BIOL/MBIO 4313/4113 - Parasitology
<input type="checkbox"/>	<input type="checkbox"/>	MBIO 4390 - Special Topics**

Category B

<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4220 - Intro to Genomics & Bioinformatics
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4310/4110 - Histology
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 4330 - Molecular Bio
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3310/3110 - Quant Analysis
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4342 - Gen Biochem II

*MBIO 4320/4120 (Immunology) is a pre-requisite for this course

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

Approved Electives: (at least 8-9 hrs)

Students are encouraged to use an appropriate field experience course to satisfy six hrs of this requirement.

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

129-130 Hours 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 UHD.

TSI Complete - See university catalog for more info.

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