

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

(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: (47-49 hrs)**

<input type="checkbox"/>	<input type="checkbox"/>	CS 1408 - VB <u>or</u> CS 1410 - C++	<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1301/1101 - Gen Bio I
<input type="checkbox"/>	<input type="checkbox"/>	STAT 3311 - Stat Analysis for NS	<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1302/1102 - Gen Bio II
<input type="checkbox"/>	<input type="checkbox"/>	MATH 1404 - Precalculus	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1307/1107 - Gen Chem I
<input type="checkbox"/>	<input type="checkbox"/>	MATH 2401 - Calculus I	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1308/1108 - Gen Chem II
<input type="checkbox"/>	<input type="checkbox"/>	MATH 2402 - Calculus II	<input type="checkbox"/>	<input type="checkbox"/>	PHYS 1307/1107 or 2401/2101 - Physics
<input type="checkbox"/>	<input type="checkbox"/>	MATH 2403 - Calculus III	<input type="checkbox"/>	<input type="checkbox"/>	PHYS 1308/1108 or 2402/2102 - Physics

**Major Area of Emphasis (42 hrs)**

<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3300 - Undergrad Research	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3332/3132 - Phys Chem II
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3301/3201 - Organic Chem I	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4310 - Instrumental Methods
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3302/3202 - Organic Chem II	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4340/4140 - Gen Biochem I
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3310/3110 - Quant Analysis	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4362/4162 - Adv Inorganic Chem
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3320 - Environmental Chem	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 4364 - Polymer Chem
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3330/3130 - Phys Chem I			

**Approved Electives (6-8 hrs)**

Electives must be approved by your faculty advisor and/or program coordinator. Students are encouraged to use an appropriate field experience or undergraduate research course to satisfy part of this requirement. CHEM 4390 must be approved for the degree plan in writing by your Faculty Advisor.

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

**130-132 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 information

[ONE ETHICAL AND MORAL ISSUES COURSE - Satisfied by requirements](#)

[ONE ADDITIONAL WRITING SKILLS COURSE - Satisfied by requirements](#)

[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**