

**UH-Downtown • Department of Natural Sciences  
Student Worksheet for Bachelor of Science in Industrial 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"/>	ECO 1301 - Intro to Economics

**Technical Writing (3 hrs)**

English 3302, 3325, 3326, 3329, or 4306

**Basic Math and Science: (43-45 hrs)**

<input type="checkbox"/>	<input type="checkbox"/>	CS 1408 - VB or CS 1410 - C++	<input type="checkbox"/>	<input type="checkbox"/>	CHEM 1307/1107 - Gen Chem I
<input type="checkbox"/>	<input type="checkbox"/>	STAT 3311 - Stat Analysis for NS	<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"/>	GEOG 1405 - Physical Geology
<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"/>	BIOL 1301/1101 - Gen Bio I	<input type="checkbox"/>	<input type="checkbox"/>	PHYS 1308/1108 or 2402/2102 - Physics
<input type="checkbox"/>	<input type="checkbox"/>	BIOL 1302/1102 - Gen Bio II			

**Upper-Level Science (28 hrs)**

<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 4364 - Polymer Chem
<input type="checkbox"/>	<input type="checkbox"/>	CHEM 3330/3130 - Phys Chem I			

**Approved Electives (at least 26 hrs)**

Electives must be approved by the Chemistry Coordinator and should be selected based on the student's career interest. No more than 7 hours of lower-level courses may be used unless they are needed to satisfy a minor approved by the coordinator. No more than 6 hours of CHEM 3300 or CHEM 4380 may be applied toward this degree. 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"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
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<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 UHD.

**TSI Complete** - See university catalog for more information

[ONE ETHICAL AND MORAL ISSUES 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 ADDITIONAL WRITING SKILLS COURSE - Satisfied by degree requirements**

**ONE NONVERBAL ANALYTICAL SKILLS COURSE - Satisfied by degree requirements**