

ORIGINAL

The University Of Toledo

Program Requirement Revision Form

Administrative Use Only (rev. 9/2011)		
Code:	CM	
Date Received:	/ /	(dd/mm/yyyy)
Date Effective:	/ /	(dd/mm/yyyy)

Please list the proposed program structure.

College: Natural Sciences & Mathematics	Dept: Chemistry
Contact Person: Xiche Hu	Phone: 530-1513
Email: xhu@utoledo.edu	
Program Name: BA in Chemistry	
Program Level: <input type="checkbox"/> Graduate <input checked="" type="checkbox"/> Undergraduate	

CHANGES AND REASONS FOR CHANGES

See attached.

APPROVAL:

	Signature	Date
Department Curriculum Authority:	<i>Xiche Hu</i>	3/16/12
Department Chairperson:	<i>W. Hu</i>	3/16/12
College Curriculum Authority:	<i>Ally</i>	3/22/12
College Dean:	<i>Christine A. Habrecht</i>	3/22/12

After college approval, submit the original signed form to the Faculty Senate (UH3320) for undergraduate-level courses; for graduate-level courses submit the original signed form to the Graduate School (UH3240).

	Signature	Date
FS Acad. Programs or Graduate Council:		
Office of the Provost:		
Registrar's Office:		

The University of Toledo

PROGRAM REQUIREMENT REVISION

Please list the proposed program structure. Attach additional pages as necessary.

College: NSM **Dept/Academic Unit:** CHEM

Contact Person: Xiche Hu **Phone:** x1513

Email: XHu@utoledo.edu

Program Name: Chemistry BA

Program Level: Undergraduate

Changes and Reason for Changes (Less than 1500 words or 5000 bytes):

The primary reason for the changes is the new credit requirements of the College of Natural Sciences and Mathematics, which requires students pursuing a BA degree to have 34 hrs in the major and a combined total of 58 hrs in the major and related courses.

The specific changes include:

- Increase the number of required credits for CHEM courses from 33 to 35.
- Add one more chemistry elective with 2 to 4 credits.
- Add one more required course to the related courses so that the total number of credits increases to 21-22 from 18.

Program: Chemistry BA.

1. Required CHEM Courses (35 credits)

•	CHEM 1230	General Chemistry I	4
•	CHEM 1240	General Chemistry II	4
•	CHEM 1280	General Chemistry Lab I	1
•	CHEM 1290	General Chemistry Lab II	1
•	CHEM 2410	Organic Chemistry I	3
•	CHEM 2420	Organic Chemistry II	3
•	CHEM 2480	Organic Separations and Elementary Synthesis	2
•	CHEM 2490	Synthesis and Identification of Organic Compounds	2
•	CHEM 3310	Analytical Chemistry	2
•	CHEM 3360	Analytical Chemistry Laboratory WAC	2
•	CHEM 3710	Physical Chemistry for the Biosciences I	3
•	CHEM 3720	Physical Chemistry for the Biosciences II	3
•	CHEM 3860	Advanced Laboratory I WAC	2
•	Choose one from:		
	CHEM 3510	Biochemistry I	3
	CHEM 3610	Inorganic Chemistry I	3

2. CHEM Elective Courses (2 to 4 credits)

- Choose one from any remaining 3000 or 4000 level CHEM courses except CHEM 3910, 3920, 4910 or 4920.

3. Required Non-CHEM Courses (21-22 credits)

- Choose one from:
MATH 1850 & 1860 Calculus I & II 4, 4
MATH 1830 & 1840 Calculus I & II 4, 4
(for Mathematicians, Scientists and Educators)
- Choose one from:
PHYS 2070 & 2080 General Physics I & II 5, 5
PHYS 2130 & 2140 General Physics I & II for Scientists & Engineers 5, 5
- Choose one from:
MATH 2850, 2890 or 3610; BIOL 2170 or any other 4000 level BIOL course; or EEES 2010, 2200, 2400, 3050, 4220 or 4450.

TOTAL

58-61