UCC 203 Document # _COAS 064_ Date Received _____



CATALOG YEAR 2011-2012

(Please use separate form for each add/change)

COLLEGE/SC	CHOOL/SECTION:	Arts and	Sciences		
Course: (check all that apply)	Add: Delete: Change: Number Title SCH Description Prerequisite New course will be part of major minor as a required or elective course New course will introduce, reinforce, or apply concepts				
Value, Descrip	e Course Prefix, Number, 7 ption, prerequisite, and lect e and attach text with chan	ure/lab ho	ours if applicabl	e. If in current online ca	
_	Delete: Add:Chad 4-year plan. If in current .	_			•
			F SCIENCE HEMISTRY		
each semester	one suggested four-year de for help with program of Program of Study Require	lecisions			
FALL	НО	URS	SPRING	ЮН	JRS
ENGL 1301 E	YEAR General Chemistry I English Composition I Cell & Molecular Biology	4 3 4	ENGL 1302	WYEAR General Chemistry II English Composition II Minor Elective Biology Elective	4
HIST 1301 T MATH2412 P	The U.S. to 1877 Tre-Calculus	3 4		The U.S. Since 1877 Activity/Wellness	
Total		14	14111112113		15
MATH2414 C	Organic Chemistry I Calculus I	4 4 ——4 4	MATH2414 (HIST 1301	Organic Chemistry II	4 4 —3 3
	Survey of Literature	3	ENGL 2311	recinical withing	3

PHYS 1301 General Physics I	3	PHYS 1302	2 General Physics II	3
PHYS 1101 General Physics I Lab	1	PHYS 1102	2 General Physics II Lab	1
Total	16			15
JUNIOR YEAR		JUNIOR Y		1
CHEM 3405 Analytical Chemistry I	4	CHEM	Advanced Chem Elective	
CHEM 3451 Biochemistry I	4	CHEM	Advanced Chem Elective	¹ 4
Visual/Performing Arts	3	MATH333	O Differential Equations	3
Minor Elective	4		Minor Elective	4
CHEM 4498 Research in Chem	4	CHEM 340	6 Analytical Chemistry II	-4
		HIST 130	2 The U.S. since 1877	3
Total	15			15
SENIOR YEAR		SENIOR Y		
CHEM 3431 Physical Chemistry I	4	CHEM	Advanced Chem Elective	¹ 4
CHEM 4411 Inorganic Chemistry	4		Minor Elective	4
CHEM 4120 Senior Seminar	1	CHEM 412	0 Senior Seminar	1
PSCI 2305 American National Govt	3	PSCI 230	6 American State Govt	3
Soc/Behavioral Science	3	ENGL	Survey of Literature	3
		CHEM 343	2 Physical Chemistry II	_4
			Advanced Chem Elective	<u>-4</u>
			Activity/Wellness	_1
Total	15			15
TOTAL SEMESTER CREDIT HOUR	S: 120			
¹ Advanced Chemistry Electives. Selec	of 12 SC	H from any (HFM 3000 or 4000 cours	
Advanced Chemistry Electives. Selec	.t 12 SC.	II II OIII ally C	THEN SOUD OF 4000 COURS	C.
Justification:				
This plan adds a minor to the chemistry m	naior and	I raises the ma	th requirement to differenti	al
equations. The minor will allow the chem	•		<u>=</u>	
	nistry ma	nior to fulfill th	ne requirements for medica	1
school within the program of study. The a				
school within the program of study. The a				
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physical and analytical chemistry.	additiona	l math will be	tter prepare the students for	•
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Other: Add information: Change current online catalog, provide change		9
Approvals:	Signature	Date
Chair Department Curriculum Committee		
Chair Department		
Chair College Curriculum Committee		
Dean		
10/19/10		



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CATALOG YEAR _2011-2012

(Please use separate form for each add/change)

COLLEGE/SCI	HOOL/SECTION: Arts and Sciences			
Course: (check all that apply)	Add: Delete: Change: Number Title SCH Description Prerequisite New course will be part of major minor as a required or elective course New course will introduce, reinforce, or apply concepts			
If new, provide Course Prefix, Number, Title, <u>Measurable</u> Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.				
_	Delete: Add: Change: _X_ Attach new/changed Program of Study 4-year plan. If in current online catalog, provide change and attach text with			

Degree Requirements for the BS with a Major in Chemistry

- 1. **Hours Required:** A minimum of **120** semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog.
- 2. **University Core Curriculum: 42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
- 3. **MATH Elective:** 5 SCH designated as MATH 2413 and 1 SCH surplus from core. 7 SCH designated as MATH 2414 and 3330 and the 4 SCH of MATH 2413 taken as part of the core.
- 4. **Major:** 53 38 SCH and the 8 SCH of CHEM 1411 and 1412 taken as part of the core; additional lower level requirements of CHEM 2423, 2425; upper level requirements of CHEM 3405, 3406, 3431, 3432, 3451, 4120, and 4411 and 4498,; and 16 SCH selected from CHEM 3400, 3452, 4409, 4410, 4411, 4431, 4451 or 4198-4498 12 SCH selected from any additional CHEM course at the 3000-4000 level: and 1 excess SCH from the Core Curriculum. CHEM 4198 4498 may be repeated for up to 6 SCH of credit within the degree program. CHEM 4120 may be repeated for up to 2 SCH of credit within the degree program.
- 5. **Minor: A minimum of 20 SCH from one discipline** at least twelve of which must be at the 3000-4000 level. See Appendix C.
- 6. **Supporting Sciences Curriculum: 20-12** SCH including MATH 2414, PHYS 1301/1101, 1302/1102 and BIOL 1406 and 1411 or BIOL 1413.

Justification:

This plan adds a minor to the chemistry major.

Minor: online catalog.	Add: Delete: of the change and att	_	Attach new/changed minor. changes in red.	If in current
Faculty: current online	Add: Delete: catalog, provide change	•	Attach new/changed faculty of ext with changes in red.	entry. If in
College Introductory Pages: Add information: Change information: Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.				
Other : Add information: Change information: Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.				
Approvals:		Signat	cure	Date
Chair Department Curr	iculum Committee			
Chair Department				
Chair College Curriculu	um Committee			
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