

CATALOG YEAR 2006-2008  
(Please use separate form for each add/change)

COLLEGE/SCHOOL : College of Arts and Sciences \_\_\_\_\_

Current Catalog Page(s) Affected 118 & 90

**Program:** Add: \_\_\_\_\_ Change: X Attach new/changed Program of Study description and 4-year plan. If in current catalog, copy and paste the text from the and indicate changes in red.

**Bachelor of Science in Chemistry**

**Justification:** To comply with the 120 hour rule, eight (8) hours of the advanced elective have been cut.

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**Degree Requirements for the BS with a Major in Chemistry**

1. **Hours Required:** A minimum of ~~128~~**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..
4. **Major:** ~~61~~**53** SCH and the 8 SCH of CHEM [1411](#) and [1412](#) taken as part of the core. Additional ~~8~~ **8** SCH of lower-level requirements include CHEM [2423](#) and [2425](#). Advanced requirements include ~~29~~ **29** SCH of CHEM [3405](#), [3406](#), [3431](#), [3432](#), [3451](#), [4120](#), [4411](#), and [4498](#) and ~~20~~ **16** SCH selected from CHEM [3400](#), [3452](#), [4409](#), [4410](#), [4411](#), [4431](#), [4451](#), or [4198-4498](#). CHEM [4198-4498](#) may be repeated for up to 6 SCH of credit within the degree program.
5. **Supporting Sciences Curriculum:** 24 SCH including MATH [2414](#), PHYS [1301](#), [1101](#), [1302](#) and [1102](#) and BIOL [1406](#) and [1411](#) or BIOL [1413](#).

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## BACHELOR OF SCIENCE MAJOR IN CHEMISTRY

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*\*See Appendix A Core Curriculum and Optional Course Information.*

<b>FALL</b>		<b>HOURS</b>	<b>SPRING</b>		<b>HOURS</b>	
<b>FRESHMAN YEAR</b>						
BIOL	1406	<u>Cell&amp;Molecular Biology</u>	4	BIOL	<u>Biology Elective</u> <sup>1</sup>	4
CHEM	1411	<u>General Chemistry I</u>	4	CHEM	1412 <u>General Chemistry II</u>	4
ENGL	1301	<u>English Composition I</u>	3	ENGL	1302 <u>English Composition II</u>	3
MATH	2412	<u>Pre-Calculus</u>	4	MATH	2413 <u>Calculus I</u>	3
				HIST	1301 <u>The U.S. to 1877</u>	3
<b>Total</b>			<b>15</b>			<b>15</b>

<b>SOPHOMORE YEAR</b>			<b>SOPHOMORE YEAR</b>			
CHEM	2423	<u>Organic Chemistry I</u>	4	CHEM	2425 <u>Organic Chemistry II</u>	4
PHYS	1301	<u>General Physics I</u>	3	PHYS	1302 <u>General Physics II</u>	3
PHYS	1101	<u>Physics I Lab</u>	1	PHYS	1102 <u>Physics II Lab</u>	1
MATH	2414	<u>Calculus II</u>	4	ENGL	2311 <u>Technical Writing</u>	3
ENGL		<u>Survey of Literature*</u>	3	HIST	<del>1302</del> 1301 <u>The U.S. to 1877</u>	3
<b>Total</b>			<b>15</b>			<b>14</b>

<b>JUNIOR YEAR</b>			<b>JUNIOR YEAR</b>			
CHEM	3405	<u>Analytical Chemistry</u>	4	CHEM	<u>Advanced Chemistry Elec</u> <sup>2</sup>	4
CHEM	4498	<u>Research in Chem</u>	4	CHEM	<u>Advanced Chemistry Elec</u> <sup>2</sup>	4
CHEM	3451	<u>Biochemistry I</u>	4	CHEM	3406 <u>Analytical Chemistry II</u>	4
		<del>Advanced Elective</del> <sup>2</sup> - Visual/Performing Arts	4 3	HIST	1302 <u>The U.S. Since 1877</u>	3
<b>Total</b>			<b>15</b>			<b>15</b>

<b>SENIOR YEAR</b>			<b>SENIOR YEAR</b>			
CHEM	4120	<u>Senior Seminar</u>	1	CHEM	3432 <u>Physical Chemistry II</u>	4
CHEM	3431	<u>Physical Chemistry I</u>	4	CHEM	<u>Advanced Chemistry Elec</u> <sup>2</sup>	4
CHEM	4411	<u>Inorganic Chemistry</u>	4	CHEM	<u>Advanced Chemistry Elec</u> <sup>2</sup>	4

PSCI	2305	<u>American National Govt</u>	3	PSCI	2306	<u>American State Govt</u>	3
CHEM	-	<u>Advanced Chemistry Elee<sup>2</sup>-</u>	<u>4</u>			<u>Activity/Wellness*</u>	<u>1</u>
		<u>Soc/Behavioral Science*</u>	3				
<b>Total</b>			<b>15</b>				<b>16</b>

**TOTAL SEMESTER CREDIT HOURS: 128120**

<sup>1</sup>Select 4 SCH from BIOL 1411 or 1413

<sup>2</sup>Advanced Chemistry electives, select 20 SCH from Chem 3400, 3452, 4409, 4410, 4411, 4431, 4451, 4198-4498.

CHEM 4198-4498 may be repeated for up to 6 SCH of credit within the degree program..

Approvals:

Signature

Date

Chair  
Department Curriculum Committee

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Chair  
Department

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Chair  
College Curriculum Committee  
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