DEGREE GUIDE FOR THE COLLEGE OF ARTS AND SCIENCES
B.A.: CHEMISTRY -- 2012-2013

Note: of the 128 credits required for graduation, students must earn at least 104 within Arts and Sciences departments.

Thought and Expression

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<tbody>
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<td>PHIL 101 Critical Thinking</td>
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<td>SPCO 101 Intro to Speech Comm</td>
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Religious Studies

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<td>RELI 200 Level Course</td>
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<tr>
<td>RELI 300 Level Course</td>
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Philosophy

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<td>PHIL 301 Ethics</td>
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English

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<td>ENGL 102, 103H, 105 or 106</td>
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<tr>
<td>ENGL 201 -- 285*</td>
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*ENGL 250 does not satisfy this requirement

Fine Arts

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Foreign Language/Culture

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History (choice of 2)*

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*HIST 101 and either 102 or 112. HIST 201 or 202 may be substituted for ONE 100-level course.

Social Science

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Math/Lab Science/Elective

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<tr>
<td>MATH 100-level or above*</td>
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<tr>
<td>Lab Science**</td>
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<tr>
<td>Elective***</td>
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*MATH 203 does not satisfy this requirement.

**BIOL, CHEM or PHYS course with lab

***Elective in MATH, CPSC, BIOL, CHEM, PHYS or ITEC.

Social Justice

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<tr>
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TOTAL CORE CREDIT

|               | 62 |

B.A. -- CHEMISTRY -- 53 Credits

MAJOR LOWER DIVISION

<table>
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<tr>
<th>CRSE</th>
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<tbody>
<tr>
<td>CHEM 101 General Chemistry</td>
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<tr>
<td>CHEM 101L General Chemistry Lab</td>
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<tr>
<td>CHEM 206 Inorganic Chemistry</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHEM 206L Inorganic Chemistry Lab</td>
<td>1</td>
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<tr>
<td>CHEM 230 Organic Chemistry</td>
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<tr>
<td>CHEM 230L Organic Chemistry Lab</td>
<td>1</td>
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<tr>
<td>MATH 157 Calc &amp; Analy Geometry I</td>
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</tr>
<tr>
<td>MATH 258 Calc &amp; Analy Geometry II</td>
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One of the following two sets of courses:

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<tr>
<td>PHYS 102 &amp; 102L Gen Physics II/Lab</td>
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OR

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<tr>
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<th>GRD</th>
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<tr>
<td>PHYS 103 &amp; 103L Scienc Physics I/Lab</td>
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<tr>
<td>PHYS 204 &amp; 204L Scienc Physics II/Lab</td>
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MAJOR UPPER DIVISION

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<td>CHEM 310L Quantitative Analysis Lab</td>
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<td>CHEM 331 Organic Chemistry II</td>
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<tr>
<td>CHEM 331L Organic Chemistry II Lab</td>
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<td>CHEM 340 Unified Lab I</td>
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<td>CHEM 440 Biochemistry I</td>
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<td>CHEM 485 Seminar</td>
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<td>CHEM 486 Seminar</td>
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<td>CHEM 488 Seminar Literature Review</td>
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One of the following courses:

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OR

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<tr>
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<tbody>
<tr>
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OR

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OR

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<tr>
<th>CRSE</th>
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<tr>
<td>CHEM 321 Physical Chemistry II</td>
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Updated 08/16/11
### BA Degree in Chemistry

[53 credits required for major (including supporting courses); 128 total credits]

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**NOTES:**

1. CORE refers to University core requirements (other than T/E, Math, and science) and other electives.
2. MATH 258 and PHYS 103 (or 102) are prerequisites for CHEM 320.
3. One of the following courses is needed as a CHEM elective: CHEM 406 or 410
4. CHEM 488 may be taken FALL or SPRING.