### ARKANSAS STATE UNIVERSITY
**COLLEGE OF SCIENCES AND MATHEMATICS**

<table>
<thead>
<tr>
<th>NAME</th>
<th>ID#</th>
</tr>
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### DEGREE AND MAJOR: B.A. CHEMISTRY
**MINOR (if applicable):**
**CATALOG YEAR: 2011 - 2012**

#### GENERAL EDUCATION REQUIREMENTS: 46-49 HRS

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
</tr>
</thead>
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- **Composition – 6 hrs.**
  - ENG 1003 Freshman English I
  - ENG 1013 Freshman English II

- **Mathematics – 3 hrs. (One of the following):**
  - MATH 1054 Pre-calculus Mathematics
  - MATH 2204 Calculus I

- **Critical Thinking – 3 hrs.**
  - (One of the following):
    - PHIL 1103 Intro to Philosophy
    - PHIL 1503 Logic and Practical Reasoning
    - SCOM 1203 Speech Communication

- **Understanding Global Issues – 3 hrs.**
  - (One of the following):
    - ANTH 2223 Intro to Cultural Anthropology
    - GEOG 2613 Intro to Geography
    - HIST 1013 World Civilization to 1600
    - HIST 1023 World Civilization Since 1600

- **Arts & Humanities – 9 hrs.**
  - (Must complete 3 courses from this section. At least one must be a fine arts course. At least one must be a humanities course.)

<table>
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<tr>
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<th>Grade</th>
</tr>
</thead>
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  - **Fine Arts:**
    - MUS 2503 Fine Arts – Musical
    - THEA 2503 Fine Arts – Theater
    - ART 2503 Fine Arts – Visual

  - **Humanities:**
    - ENG 2003 Intro to Lit. of West. World I
    - ENG 2013 Intro to Lit. of West. World II
    - PHIL 1103 PHIL 1103, Intro to Philosophy

  - **Social Sciences – 9 hrs.**
    - (From the following courses at least one course must be selected from HIST 2763, HIST 2773, or POSC 2103)

    | Course | Grade |
    |--------|-------|

  - **ECON 2313 Principles of Macroeconomics**
  - **ECON 2333 Economic Issues and Concepts**
  - **HIST 2763 The U.S. to 1876**
  - **HIST 2773 The U.S. since 1876**
  - **PHIL 1103 Intro to Philosophy**
  - **POSC 1003 Intro to Politics**
  - **POSC 2103 Introduction to United States Government**
  - **PSY 2103 Intro to Psychology**
  - **SOC 2213 Intro to Sociology**

- **Science – 8 hrs.**

<table>
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<th>Course</th>
<th>Grade</th>
</tr>
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  - **Life Sciences. Select one of the following:**
    - BIOL 1043 Plants, & People, & BIOL 1001 Bio. Science Lab
    - BIOL 1063 People & Environs, & BIOL 1001 Bio. Science Lab
    - BIO 2013 Biology of the Cell
    - BIO 2101 Microbiology for Nursing
    - BIO 2103 Microbiology for Nursing Lab
    - **BIO 2203 Human A&P I and BIO 2201 Human A&P I Lab**
    - **BIO 2223 Human A&P II and BIO 2221 Human A&P II Lab**

  - **Physical Sciences:**
    - CHEM 1013 General Chemistry I
    - CHEM 1011 Lab for General Chemistry I

  - **Health and Wellness – 2 hrs.**
    - PE 1002 Concepts of Fitness

- **Enhancements – 3-6 hrs. (See Bulletin online for other rules.)**

<table>
<thead>
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<th>Course</th>
<th>Grade</th>
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#### MAJOR REQUIREMENTS – CHEMISTRY 42-46 HRS.

(If the specific requirements listed at left will not be counted in the major.)

<table>
<thead>
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<th>Course</th>
<th>Grade</th>
</tr>
</thead>
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- **CHEM 1023 General Chemistry II**
- **CHEM 1021 General Chemistry II Lab**
- **CHEM 2004 Descriptive Inorganic Chemistry**
- **CHEM 3054 Quantitative Analysis**
- **CHEM 3103 Organic Chemistry I**
- **CHEM 3101 Organic Chemistry I Lab**
- **CHEM 3113 Organic Chemistry II**
- **CHEM 3111 Organic Chemistry II Lab**
- **CHEM 3154 Survey Physical Chemistry**
- **CHEM 4243 Biochemistry**

- **MATH 2204 Calculus I**

*If not taken as Gen. Ed. Requirement*

<table>
<thead>
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<th>Course</th>
<th>Grade</th>
</tr>
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- **PHYS 2054 General Physics I AND**
- **PHYS 2064 General Physics II OR**
- **PHYS 2034 University Physics I AND**
- **PHYS 2044 University Physics II**

- **Biology of Plants, Geology, or Zoology electives - 6 hrs.**

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<th>Course</th>
<th>Grade</th>
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- **Foreign Language – 12 hrs.**

(See Foreign Lang. requirement in Bulletin)

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<th>Course</th>
<th>Grade</th>
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- **Electives: 15-34 hrs.**

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<th>Course</th>
<th>Grade</th>
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- **Emphasis Area – Pre-pharmacy**

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<th>Course</th>
<th>Grade</th>
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- **Additional Specific Gen. Ed. Req. 3 hrs.**

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<th>Grade</th>
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- **ECON 2313 Principles of Macroeconomics**

- **1000/2000 LEVEL COURSES TAKEN AT TWO YEAR INSTITUTIONS CANNOT BE USED TO SATISFY JUNIOR/SENIOR HOUR REQUIREMENTS**

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NAME________________________________________
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DEGREE AND MAJOR: B.A. CHEMISTRY
MINOR (if applicable)__________________________
CATALOG YEAR: 2011 - 2012

GRADUATION CHECK LIST

Current Enrollment

1. _____________________________
2. _____________________________
3. _____________________________
4. _____________________________
5. _____________________________
6. _____________________________
7. _____________________________

The above named student has met all requirements for graduation providing he/she satisfactorily completes the courses of current enrollment. If correspondence or transfer credit, official transcript must be filed with registrar at least three weeks prior to graduation.

Advisor ___________________________ Date __________

Department Chair _____________________ Date __________

Dean of Sciences and Mathematics __________ Date __________