

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

NAME: _____
ID# _____

DEGREE AND MAJOR: B. S. E. GEN SCI: CHEM. EMPHASIS

MINOR (if applicable): _____

CATALOG YEAR: 2004 – 2006

**SUBSTITUTION
OR TRANSFER
COURSE NO. GRADE**

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OR TRANSFER
COURSE NO. GRADE**

GENERAL EDUCATION REQUIREMENTS: 46-49 hrs.

Composition – 6 hrs.:

ENG 1003, Freshman English I _____
ENG 1013, Freshman English II _____

Mathematics – 3 hrs. (one of the following):

MATH 1054, Precalculus Mathematics OR _____
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)

SOC 2233, Intro. to Cultural Anthropol. _____
GEOG 2613, Intro to Geography _____
HIST 1013, World Civ. to 1660 _____
HIST 1023, World Civ. Since 1660 _____

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.)

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, Intro to Philosophy _____

Social Sciences – 9 hrs.:

HIST 2763, The U. S. to 1876 OR _____
HIST 2773, The U. S. since 1876 _____
POSC 2103, Intro. to U. S. (Amer.) Gov. _____
PSY 2103, Intro. to Psychology _____

Sciences – 8 hrs.:

Life Sciences, Select one of the following

BIOL 1003, Bio Science, & BIOL 1001, Lab _____
BIOL 1013, Bio. of the Cell & BIOL 1021, Lab _____
BIOL 1033, Bio. Of Sex, & BIOL 1001, Lab _____
BIOL 1043, Plants & People, & BIOL 1001 Lab _____
BIOL 1063, People & Environ., & BIOL 1001, Lab _____
BIOL 2103, Microbio, and BIOL 2101, Lab N&AH _____

If BIOL 2103 is selected, the student must also take EITHER: ZOO 2003,

Human Anatomy & Physio. I and ZOO 2001, Lab for Human A&PI; OR
ZOO 2013, Human Anatomy and Physiology II and _____
ZOO 2001, Lab for Human Anatomy and Physio. II _____

Physical Sciences:

CHEM 1013, Gen Chemistry I _____
CHEM 1011, Lab for Gen. Chemistry I _____

Health and Wellness – 2 hrs.:

PE 1002, Concepts of Fitness _____

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

MAJOR REQUIREMENTS-CHEMISTRY 41-45 hrs.

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

CHEM 1021, General Chemistry II Lab _____
CHEM 1023, General Chemistry II _____
CHEM 2004, Descriptive Inorganic Chemistry _____
CHEM 3054, Quantitative Analysis _____
CHEM 3101, Organic Chemistry I Lab _____
CHEM 3103, Organic Chemistry I _____
CHEM 3111, Organic Chemistry II Lab _____
CHEM 3113, Organic Chemistry II _____
CHEM 3154, Survey of Phys Chem _____
GEO 1003, Environmental Geology _____
GEOG 3723, Intro to Physical Geography _____
* MATH 2204, Calculus I _____
PHYS 1103, Introduction to Space Sci. OR _____
PHYS 3133, Astronomy _____
PHYS 2034, University Physics I AND _____
PHYS 2044, University Physics II _____

OR

PHYS 2054, General Physics I AND _____
PHYS 2064, General Physics II _____

***(If not taken as General Education Requirement)**

EMPHASIS AREA: (Select one of these options)

PROFESSIONAL EDUCATION REQUIREMENTS: 33 HRS

PSY 3703, Educational Psychology _____
SCED 2514, Intro to Secondary Teaching _____
SCED 3515, Performance Based Instru. Design _____
EDSC 4593, M/M Teaching Science _____
** TICH 4826, Teaching Internship Secondary School _____
SCED 4713, Ed. Measurement w/Computer App. _____
SE 3643, Exceptional Student Regular Classroom _____
** (This is a 12 Credit hour course)

ADDITIONAL CERTIFICATION REQUIREMENTS: 6 HRS

HLTH 2513, Principles of Personal Health _____
SCOM 1203, Oral Communications _____

SIX POINT UNDERGRADUATE SYSTEM:

- _____ 1. Admission into Teacher Ed. Program (min 36 hrs)
- _____ 2. Pre-Student Teaching Check (one semester prior to student teaching)
- _____ 3. Intent to Student Teach (one semester prior to student teaching)
- _____ 4. Student teacher Validation (semester of student teaching)
- _____ 5. Evaluation of Student Teacher Performance (summative, end of student teaching)
- _____ 6. Intent to Graduate & Graduate Checklist

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

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GRADUATION CHECK LIST

- 3 hours HIST 2763 or 2773 or POSC 2103 _____
- 3 hours HIST 1013 or 1023 _____
- POSC 2103 _____
- PSY 2013 _____
- 32 resident hours _____
- 2.50 average in major _____
- 2.50 average in overall _____
- 2.00 average at ASU _____
- Maximum 31 hours corr/ext/exam
CLEP/MS/USAFI/ (maximum 30
hours by exam/CLEP) _____
- 45 Jr/Sr hours after 30 hours _____
- 126 - 133 hours for degree _____
- 18 of last 24 hours on ASU campus _____
- Minimum 57 hours from 4-year institutions _____
- English Proficiency _____
- Math Proficiency _____
- Speech Proficiency _____
- 6 hours PE (3hrs. **must be** activity) _____
- Middle School Endorsement _____
- NCATE Stamp _____
- NTE _____
- PPST/CBT Scores: (Prerequisite for admission into BSE
program) _____
- Reading _____ Math _____ Writing _____
(170/314) (169/316) (171/316)

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