

ARKANSAS STATE UNIVERSITY  
COLLEGE OF SCIENCES AND MATHEMATICS

NAME \_\_\_\_\_  
ID# \_\_\_\_\_

DEGREE AND MAJOR: B.S. CHEMISTRY  
MINOR (if applicable) \_\_\_\_\_  
CATALOG YEAR: 2009 - 2010

		Sub. Or Transfer	Course	Grade
<b>GENERAL EDUCATION REQUIREMENTS: 46-49 HRS</b>				
<b>Composition – 6 hrs.</b>				
ENG 1003	Freshman English I	_____	_____	_____
ENG 1013	Freshman English II	_____	_____	_____
<b>Mathematics – 3 hrs. (One of the following):</b>				
MATH 1054	Precalculus Mathematics	_____	_____	_____
MATH 2204	Calculus I	_____	_____	_____
<b>Critical Thinking – 3 hrs.</b>				
<b>(One of the following)</b>				
PHIL 1103	Introduction to Philosophy	_____	_____	_____
PHIL 1503	Logic and Practical Reasoning	_____	_____	_____
SCOM 1203	Oral Communication	_____	_____	_____
<b>Understanding Global Issues – 3 hrs.</b>				
<b>(One of the following)</b>				
ANTH 2233	Intro to Cultural Anthropology	_____	_____	_____
GEOG 2613	Introduction to Geography	_____	_____	_____
HIST 1013	World Civilization to 1660	_____	_____	_____
HIST 1023	World Civilization Since 1660	_____	_____	_____
<b>Arts &amp; Humanities – 9 hrs.</b>				
<b>(Must complete 3 courses from this section. At least one must be a fine arts course. At least one must be a humanities course.)</b>				
<b>Fine Arts:</b>				
MUS 2503	Fine Arts – Musical	_____	_____	_____
THEA 2503	Fine Arts – Theater	_____	_____	_____
ART 2503	Fine Arts – Visual	_____	_____	_____
<b>Humanities:</b>				
ENG 2003	Intro to Literature of Western World I	_____	_____	_____
ENG 2013	Intro to Literature of Western World II	_____	_____	_____
PHIL 1103	Introduction to Philosophy	_____	_____	_____
<b>Social Sciences – 9 hrs.</b>				
<b>(From the following courses at least one course must be selected from HIST 2763, HIST 2773, or POSC 2103)</b>				
ECON 2313	Principles of Macroeconomics	_____	_____	_____
ECON 2333	Economic Issues and Concepts	_____	_____	_____
HIST 2763	The United States to 1876	_____	_____	_____
HIST 2773	The United States since 1876	_____	_____	_____
PHIL 1103	Introduction to Philosophy	_____	_____	_____
POSC 1003	Introduction to Politics	_____	_____	_____
POSC 2103	Intro to United States Government	_____	_____	_____
PSY 2013	Introduction to Psychology	_____	_____	_____
SOC 2213	Introduction to Sociology	_____	_____	_____
<b>Science – 8 hrs.</b>				
<b>Life Sciences. Select one of the following:</b>				
BIO 2013	Biology of the Cell	_____	_____	_____
BIO 2011	Biology of the Cell Lab	_____	_____	_____
<b>Physical Sciences:</b>				
CHEM 1013	General Chemistry I	_____	_____	_____
CHEM 1011	Lab for General Chemistry I	_____	_____	_____
<b>Health and Wellness – 2 hrs.</b>				
PE 1002	Concepts of Fitness	_____	_____	_____
<b>Enhancements – 3-6 hrs. (See Bulletin online for other rules.)</b>				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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

		Sub. Or Transfer	Course	Grade
<b>MAJOR REQUIREMENTS – CHEMISTRY 61-65 HRS.</b>				
<b>(The specific requirements listed at left will not be counted in the major.)</b>				
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 3124	Physical Chemistry I	_____	_____	_____
CHEM 3134	Physical Chemistry II	_____	_____	_____
CHEM 4204	Inorganic Chemistry	_____	_____	_____
CHEM 4224	Instrumentation	_____	_____	_____
CHEM 4232	Chemical Literature	_____	_____	_____
CHEM 2002	Computers in Chemistry	_____	_____	_____
CHEM 427V	Research in Chemistry	_____	_____	_____
CHEM 4243	Biochemistry	_____	_____	_____
CHEM 4281	Chemistry Seminar	_____	_____	_____
*MATH 2204	Calculus I	_____	_____	_____
MATH 2214	Calculus II	_____	_____	_____
MATH 3254	Calculus III	_____	_____	_____
PHYS 2054	General Physics I <b>AND</b>	_____	_____	_____
PHYS 2064	General Physics II	_____	_____	_____
<b>OR</b>				
PHYS 2034	University Physics I <b>AND</b>	_____	_____	_____
PHYS 2044	University Physics II	_____	_____	_____
<b>*(If not taken as Gen. Ed. Requirement)</b>				
<b>EMPHASIS AREA: (Select one of these options.)</b>				
<b>Chemistry 8-18 hrs.</b>				
Geology or Bio. Science Electric - 3 hrs.				
_____				
Electives 5-15 hrs.				
_____				
_____				
_____				
<b>Environmental - 12-15 hrs.</b>				
GEOL 1003	Environmental Geology	_____	_____	_____
GEOL 1001	Environmental Geology Lab	_____	_____	_____
CHEM 4043	Environmental Chemistry	_____	_____	_____
CHEM 4053	Geochemistry	_____	_____	_____
GEOL 4333	Hydrogeology	_____	_____	_____
Electives - 0-5 hrs.				
_____				
<b>Pre-professional Studies 12-18 hrs.</b>				
BIO 1303	Biology of Animals	_____	_____	_____
BIO 1301	Biology of Animals Lab	_____	_____	_____
Biology Electives - 8 hrs.				
_____				
_____				
Electives - 0-6 hrs.				
_____				
_____				
<b>Foreign Language - 0-6 hrs.</b>				
<b>(See Bulletin online for specific req.)</b>				
_____				
_____				