

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

**DEGREE AND MAJOR: B.S. MATHEMATICS**

**NAME:** \_\_\_\_\_

**MINOR (if applicable):** \_\_\_\_\_

**ID#:** \_\_\_\_\_

**CATALOG YEAR:** 2011 -- 2012

substitution  
or transfer  
course no.    grade \_\_\_\_\_

substitution  
or transfer  
course no.    grade \_\_\_\_\_

**UNIVERSITY REQUIREMENT: 3 HRS.**

MATH 1093 Making Connections (First Yr Exp)    \_\_\_\_\_

**MAJOR REQUIREMENTS: 46 HRS.**

CS 2114 Structured Programming and Laboratory\*    \_\_\_\_\_

\*Students with no programming experience should take  
CS 1114, Concepts of Programming, before taking CS 2114  
PHYS 2044 University Physics II    \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS: 44-45 HRS**

**Communication - 6 hrs (take both of the following)**

ENG 1003 Composition I (C or better required)    \_\_\_\_\_  
ENG 1013 Composition II (C or better required)    \_\_\_\_\_

**Mathematics - 4 hrs**

MATH 2204 Calculus I    \_\_\_\_\_

MATH 2214 Calculus II    \_\_\_\_\_  
MATH 3254 Calculus III    \_\_\_\_\_  
MATH 3243 Linear Algebra    \_\_\_\_\_  
MATH 3303 Modern Algebra I    \_\_\_\_\_  
MATH 4403 Differential Equations    \_\_\_\_\_  
MATH 4553 Advanced Calculus I    \_\_\_\_\_  
STAT 4453 Probability and Statistics I    \_\_\_\_\_  
MATH 4563 Advanced Calculus II **OR**  
MATH 4423 Modern Algebra II **OR**  
STAT 4463 Probability and Statistics II    \_\_\_\_\_

**Critical Thinking - 3 hrs (choose one of the following--PHIL 1503 recommended)**

PHIL 1103 Introduction to Philosophy    \_\_\_\_\_  
PHIL 1503 Logic & Practical Reasoning    \_\_\_\_\_  
SPCH/SCOM 1203 Oral Communication    \_\_\_\_\_

**Understanding Global Issues - 3 hrs (choose one of the following)**

AGRI 2243 Feeding the Planet    \_\_\_\_\_  
ANTH 2233 Introduction to Cultural Anthropology    \_\_\_\_\_  
GEOG 2613 Introduction to Geography    \_\_\_\_\_  
HIST 1013 World Civilization to 1660    \_\_\_\_\_  
HIST 1023 World Civilization since 1660    \_\_\_\_\_  
IB 1013 The Global Challenge    \_\_\_\_\_

**#Mathematics or Statistics Electives - 12 hrs**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Arts & Humanities - 9 hrs (choose three of the following)**

**Fine Arts (at least one from Fine Arts required)**

MUS 2503 Fine Arts--Musical    \_\_\_\_\_  
THEA 2503 Fine Arts--Theatre    \_\_\_\_\_  
ART 2503 Fine Arts--Visual    \_\_\_\_\_

**Humanities (at least one from Humanities required)**

ENG 2003 Intro to Literature of Western World I    \_\_\_\_\_  
ENG 2013 Intro to Literature of Western World II    \_\_\_\_\_  
PHIL 1103 Introduction to Philosophy    \_\_\_\_\_

#Selected from MATH 3273, MATH 3323, MATH 3343, MATH 3353  
MATH 4423, MATH 4513, MATH 4533, MATH 4563, OR STAT 4463  
Courses used to satisfy the major requirements cannot be used as an elective.

**Foreign Language - 0-6 hrs**

(See Foreign Language Requirement on p. 251 of the 2011-2012 Undergraduate Bulletin)

\_\_\_\_\_  
\_\_\_\_\_

**Additional Jr/Sr Hours (total must be 45 hrs or more)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Social Sciences - 9 hrs (choose three of the following)**

HIST 2763 U.S. to 1876    \_\_\_\_\_  
HIST 2773 U.S. since 1876    \_\_\_\_\_  
POSC 2103 Intro to U.S. Government    \_\_\_\_\_  
**(HIST 2763 OR 2773 OR POSC 2103 REQUIRED)**  
ECON 2313 Principles of Macroeconomics    \_\_\_\_\_  
ECON 2333 Economic Issues & Concepts    \_\_\_\_\_  
POSC 1003 Intro to Politics    \_\_\_\_\_  
PSY 2013 Intro to Psychology    \_\_\_\_\_  
SOC 2213 Intro to Sociology    \_\_\_\_\_

**Life Sciences - 4 hrs (choose one of the following lec/lab combinations)**

BIOL 1003 Biological Science AND    \_\_\_\_\_  
BIOL 1001 Lab for Biological Science    \_\_\_\_\_  
BIOL 2013 Biology of the Cell AND    \_\_\_\_\_  
BIOL 2011 Lab for Biology of the Cell    \_\_\_\_\_  
BIOL 1033 Biology of Sex AND \*\*    \_\_\_\_\_  
BIOL 1043 Plants and People AND \*\*    \_\_\_\_\_  
BIOL 1063 People and the Environment AND \*\*    \_\_\_\_\_  
\*\*BIOL 1001 may be used for lab component    \_\_\_\_\_

**Physical Sciences - 4 hrs (choose one of the following)**

PHYS 2034 University Physics I    \_\_\_\_\_

**Health & Wellness - 2-3 hrs (choose one of the following)**

PE 1002 Concepts of Fitness    \_\_\_\_\_  
NRS 2203 Basic Human Nutrition    \_\_\_\_\_

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GRADUATION CHECK LIST

English proficiency  
(C or better in ENG 1003 & 1013) \_\_\_\_\_

Mathematics proficiency  
(satisfied with Calculus I) \_\_\_\_\_

3 hrs HIST 2763 or 2773 or POSC 2103 \_\_\_\_\_

18 of last 24 hours must be  
ASU-Jonesboro courses \_\_\_\_\_

32 resident hours \_\_\_\_\_

Maximum 31 hours via correspondence/  
extension/examination/PLA/Military/  
CLEP (30 hours) or similar means \_\_\_\_\_

124 total credit hours for degree \_\_\_\_\_

Minimum of 57 hours from 4-year  
institutions \_\_\_\_\_

45 Jr/Sr hours after completing 30 hrs  
(STAT 3233, Applied Statistics, is highly recommended) \_\_\_\_\_

2.00 GPA Overall \_\_\_\_\_

2.00 GPA at ASU \_\_\_\_\_

2.00 GPA in Major \_\_\_\_\_

Current Enrollment:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

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 College of Sciences and Mathematics Date