

**B. S. E. GENERAL SCIENCE: BIOLOGY EMPHASIS**

CATALOG YEAR: 2008-2009

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

substitution or transfer course / grade

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

SS# \_\_\_\_\_

substitution or transfer course no. grade

GENERAL EDUCATION REQUIREMENTS: 46 - 49 HRS.

**Communication - 6 hrs**

ENG 1003 Fr Eng I \_\_\_\_\_  
 ENG 1013 Fr Eng II \_\_\_\_\_

**Mathematics - 3 hrs (Precal Required)**

MATH 1054 Precalculus (ACT 22 -24) \_\_\_\_\_  
 MATH 1023 College Algebra (ACT 19 -21) \_\_\_\_\_  
 MATH 1013 College Math (ACT 18 and below) \_\_\_\_\_

**Social Sciences - 9 hrs: (Choose three)**

HIST 2763 U.S. to 1876 \_\_\_\_\_  
 HIST 2773 U.S. sn 1876 \_\_\_\_\_  
 POSC 2103 Intro Am Govt \_\_\_\_\_  
**HIST 2763 OR 2773**  
 POSC 2103 (Required) \_\_\_\_\_  
 PSY 2013 Intro to Psychology (required) \_\_\_\_\_  
 SOC 2213 Prin of Soc \_\_\_\_\_  
 POSC 1003 Intro to Politics \_\_\_\_\_  
 ECON 2313 Principles of Macro \_\_\_\_\_  
 ECON 2333 Economic Issues & Concepts \_\_\_\_\_  
 PHIL 1103 Intro to Philosophy \_\_\_\_\_

**Arts & Humanities - 9 hrs:(Choose three)**

**Fine Arts ( One from Fine Arts required)**

MUS 2503 FA Musical \_\_\_\_\_  
 ART 2503 FA Visual \_\_\_\_\_  
 THEA 2203 FA Theater \_\_\_\_\_

**Humanities (one from Humanities required)**

ENG 2003 Intro to Lit I \_\_\_\_\_  
 ENG 2013 Intro to Lit II \_\_\_\_\_  
 PHIL 1103 Intro to Philosophy \_\_\_\_\_

**Health & Wellness 2 hrs:**

PE 1002 Concepts of Physical Activity \_\_\_\_\_  
 NRS 2203 Basic Human Nutrition \_\_\_\_\_

**Critical Thinking - 3 hrs:**

PHIL 1103 Intro to Philosophy \_\_\_\_\_  
 PHIL 1503 Logic & Reasoning \_\_\_\_\_  
 SCOM 1203 Speech Communication \_\_\_\_\_

**Understanding Global Issues - 3 hrs:**

ANTH 2233 Intro to Cult Anthro \_\_\_\_\_  
 GEOG 2613 Intro to Geography \_\_\_\_\_  
 HIST 1013 World Civilization to 1660 \_\_\_\_\_  
 HIST 1023 World Civilization sn 1660 \_\_\_\_\_

**Life Sciences Required for majors - 8 hrs:**

**BIO 1303** ZOOL 1043 Biology of Animals \_\_\_\_\_  
**BIO 1301** ZOOL 1041 Biology of Animals Lab \_\_\_\_\_  
**BIO 1503** BOT 1103 Biology of Plants \_\_\_\_\_  
**BIO 1501** BOT 1101 Biology of Plants Lab \_\_\_\_\_

**Life Sciences General Education - 4 hrs: (Chem I suggested)**

**BIO 2013** BIOL 1013 Biology of the Cell \_\_\_\_\_  
**BIO 2011** BIOL 1021 Biology of the Cell Lab \_\_\_\_\_

**Physical Sciences - 4 hrs:**

CHEM 1013 Gen Chem I \_\_\_\_\_  
 CHEM 1011 Gen Chem I Lab \_\_\_\_\_

**Enhancement - 3 hrs:** Any questions go to link below

<http://www.clt.astate.edu/advising/Checksheets/enhancements1.htm>

AAGES ESAY =Under 300-Communication enhancement chose from below

**Enhancements - 3 hrs: Communications**

ENG 3013 (CE) Practical Writing \_\_\_\_\_  
 ENG 3043 (CE) Technical Writing \_\_\_\_\_  
 ENG 4703 (CE) Persuasive Writing \_\_\_\_\_

AAGES Math = Under 55 - Math enhancement chose from below

**Enhancements - 3 hrs: Math**

CS 2173 Intro to Progaming \_\_\_\_\_  
 STAT 3233 Applied Statistics \_\_\_\_\_

**MAJOR REQUIREMENTS -- BIOLOGY EMPHASIS 53-55 HRS:**

Biology and related science course requirements **38 hours required)**

BIOL 3122 Prin of Ecol	F,S	_____	_____
BIOL 3313 Genetics	F,S	_____	_____
BIOL 3311 Genetics Lab	F,S	_____	_____
BIOL 3513 Evolution	S odd	_____	_____
BIOL 4014 Microbiology	F,S, SU even	_____	_____
BIOL 4133 Cell Biology	S	_____	_____
BIOL 4131 Cell Biology Lab	S	_____	_____
CHEM 1023 Gen Chem II	F,S,SU II	_____	_____
CHEM 1021 Gen Chem II Lab	F,S,SU II	_____	_____
CHEM 1033 Intro Org & BioChem	F,S,SU	_____	_____
CHEM 1031 Intro Org & BioChem Lab	F,S,SU	_____	_____
MATH 2194 Survey of Calculus (ACT 25 +)	F,S	_____	_____
PHYS 2054 Gen Phys I	F,S,SU I	_____	_____
PHYS 2064 Gen Phys II	F,S,SU II	_____	_____

**Biology Electives (2000 level or above: minimum of 6-8 hours required).**

If a lecture and lab component are associated with a particular biology course, both the lecture and lab courses must be successfully completed in order for the course to count toward major requirements.

**Earth Science Requirements (minimum of 9 hours required):**

GEOG 3723 Intro Phys Geog: Weather & Climate	F even	_____	_____
GEOG 1003 Environmental Geology	F,S	_____	_____
GEOG 1001 Environmental Geology Lab	F,S	_____	_____
PHYS 1103 Intro to Space Science	F,S	_____	_____
PHYS 3133 Astronomy	F,S,SU	_____	_____

**Professional Education Requirements: 33 hrs:**

PSY 3703 Educational Psychology	F,S,SU	_____	_____
SCED 2514 Intro to Secondary Teaching	F,S	_____	_____
SCED 4515 Performance Based Ints Design	_____	_____	_____
SCED 4713 Ed Meas w/ Computer Applications	F,S	_____	_____
EDSC 4593 M/M for Teaching Sci Sec Sch	F,S	_____	_____
TIBI 4826 Teaching Internship in the Sec Sch	F,S	_____	_____
SE 3643 Ex Stu Reg Classroom	F,S,SU	_____	_____

**Additional Program Requirements: 6 hrs.**

HLTH 2513 Prin of Per Hlth	F,S,SU	_____	_____
SCOM 1203 Oral Communications	F,S,SU	_____	_____

**Six Point Undergraduate System:**

- \_\_\_\_\_ 1) Admission in Teacher Ed. Pgmr (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 and Graduate Checklist

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***Graduation Check List***

HLTH 2513	_____	<b>Current Enrollment</b>
SCOM 1203	_____	1) _____
PSY 2013	_____	2) _____
32 resident hours	_____	3) _____
2.50 average in major	_____	4) _____
2.50 average in overall	_____	5) _____
2.50 average at ASU	_____	6) _____
Maximum 31 hours corr/ext/exam CLEP/MS/USAFI/ (maximum 30 hours by exam/CLEP	_____	7) _____

45 Jr/Sr hours after 30 hours \_\_\_\_\_

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.

138 - 140 hours for degree \_\_\_\_\_

18 of last 24 hours on ASU campus \_\_\_\_\_

\_\_\_\_\_  
Advisor Date

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

\_\_\_\_\_  
Department Chair Date

NCATE Stamp \_\_\_\_\_

**PRAXIS 1: PPST/CBT Scores:** (Prerequisite for admission into TEP program)

Reading \_\_\_\_\_ Math \_\_\_\_\_ Writing \_\_\_\_\_  
172/319 171/316 173/319

\_\_\_\_\_  
Dean of Sciences and Math Date