

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

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

**IN EFFECT FALL 2009**

**GENERAL ZOOLOGY CURRICULUM (ZOO, ZGEN)**

**FRESHMAN YEAR**

|   |   |
|---|---|
| ENGL 1100 English Comp I..... 3             | ENGL 1120 English Comp II.....3         |
| CORE HISTORY I..... 3                       | CORE HISTORY II.....3                   |
| CHEM 1030 Fund. of Chemistry I..... 3       | CHEM 1040 Fund of Chemistry II .....3   |
| CHEM 1031 Chem Lab..... 1                   | CHEM 1041 Chem Lab ..... 1              |
| BIOL 1020/1021 Principles of Biology..... 4 | BIOL 1030/1031 Organismal Biology.....4 |
| 14  | 14                                      |

**SOPHOMORE YEAR**

|                                     |  |
|-------------------------------------|--|
| CHEM 2070 Organic Chem I ..... 3    | CHEM 2080 Organic Chem II.....3        |
| CHEM 2071 Organic Lab..... 1        | CHEM 2081 Organic Lab ..... 1          |
| MATH 1610 Calculus I..... 4         | MATH 1620 Calculus II. ....4           |
| <b>BIOL 3000 Genetics ..... 4</b>   | <b>BIOL 3030 Evol &amp; Syst.....3</b> |
| ENGL 2200 World Literature I..... 3 | ENGL 2210 World Literature II .....3   |
|                                     | CORE SOC SCI GROUP I .....3            |
| 15                                  | 17                                     |

**JUNIOR YEAR**

|  |   |
|--|---|
| <b>BIOL 3060 Principles of Ecology ..... 4</b>     | <b>BIOL 4100 Cell Biology .....3</b>      |
| <b>BIOL 4010 or 4020 Invert or Vert Bio..... 4</b> | <b>BIOL 5240 Animal Physiology .....4</b> |
| PHYS 1500/1501 Physics I..... 4                    | PHYS 1510/1511 Physics II.....4           |
| CORE SOC SCI GROUP II..... 3                       | CORE FINE ARTS.....3                      |
| COMM 1000 Public Speaking ..... 3                  | Free Elective.....3                       |
| 18   | 17  |

**SENIOR YEAR**

|  |                                 |
|--|---------------------------------|
| <b>BIOL Electives* ..... 11</b>              | <b>BIOL Electives* ..... 11</b> |
| STAT 3010 Statistics for Engr. & Sci ..... 3 | CORE PHILOSOPHY ..... 3         |
| 14   | 14                              |

**TOTAL HOURS 123**

Long range schedules for COSAM courses are online at [www.auburn.edu/cosam/students/registration/](http://www.auburn.edu/cosam/students/registration/)

Courses in **BOLD** will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin, under Core Curriculum.

Students not prepared for MATH 1610 will meet with advisor to determine appropriate math course.

\*Approved BIOL Electives are on the back of this sheet.

## ZOOL, ZGEN & PVET

### BIOL Electives

BIOL 3010 Comparative Anatomy, 4 hrs  
BIOL 4000 Histology, 4 hrs  
BIOL 4010 Invertebrate Diversity, 4 hrs  
BIOL 4020 Vertebrate Biodiversity, 4 hrs  
BIOL 5090 Conservation Biology, 3 hrs  
BIOL 4101 Cell Biology Lab, 2 hrs  
BIOL 4150 Human Genetics, 3 hrs  
BIOL 5150 Animal Community Ecology, 3 hrs  
BIOL 5360 Population Ecology, 3 hrs  
BIOL 4410 Vertebrate Development, 5 hrs  
BIOL 5510 Biogeography, 3 hrs  
BIOL 5550 Wetland Biology, 4 hrs  
BIOL 4997 Honors Thesis, maximum of 3 hrs  
BIOL 5740 Herpetology, 4 hrs  
BIOL 5750 Ornithology, 4 hrs  
BIOL 4950 Undergraduate Seminar, maximum of 1 hr  
BIOL 4980 Undergraduate Research, maximum of 4 hrs  
BIOL 5020 Developmental Biology, 3 hrs  
BIOL 5110 Parasitology, 4 hrs  
BIOL 5160 Field Biology and Ecology, var. hrs  
BIOL 5190 Cell Mol. Signal Transduc., 3 hrs  
BIOL 5340 Protozoology, 4 hrs  
BIOL 5380 General Ichthyology, 4 hrs  
\*\*BIOL 5600 Mammalian Physiology, this course may be used as a substitute for BIOL 5240, with the remaining 2 hours of credit as ZOOL electives – students may not receive credit for 5240 AND 5600  
BIOL 5650 Ethology, 4 hrs  
BIOL 5760 Mammalogy, 4 hrs

WILD 3280 Prin. Wildlife Management, 3 hrs  
WILD 3281 Prin. Wildlife Management Lab, 1 hr

### COSAM Science Majors Curriculum Sheet Option:

The following two course series is recommended as electives for those students seriously considering a career in teaching in secondary schools (grades 6-12) or junior colleges. These courses can be applied towards the alternative fifth year masters degree for becoming a licensed science teacher. Please contact the secondary science education program coordinator in the Department of Curriculum and Teaching for more information and permission to take these courses. Seating is limited each semester.

\*CTSE 4090: Science Methods I (fall term)

OR

\*CTSE 4100: Science Methods II (spring term)

RSED 5000: Study of Exceptionality

\*Pre-requisite requirement: 2.5 'un-gapped' grade point average in science and 2.5 'un-gapped' overall grade point average; commitment to an eight hour weekly field component in local schools