

NAME: _____

ID#: _____

IN EFFECT FALL 2009

ZOOLOGY: CELLULAR BIOLOGY/PHYSIOLOGY TRACK (ZOO/CBPS)

| | |
|--|---|
| ENGL 1100 English Comp I..... 3 | ENGL 1120 English Comp II.....3 |
| CORE HISTORY 3 | CORE HISTORY3 |
| CHEM 1030 Fund. of Chemistry I..... 3 | CHEM 1040 Fund of Chemistry II3 |
| CHEM 1031 Chem Lab 1 | CHEM 1041 Chem Lab 1 |
| BIOL 1020/1021 Principles of Biology 4 | BIOL 1030/1031 Organismal Biology.....4 |
| | CORE PHILOSOPHY3 |
| 14 | 17 |

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 II4 |
| BIOL 3000 Genetics 4 | SOC SCI GROUP I.....3 |
| ENGL 2200 World Literature I..... 3 | ENGL 2210 World Literature II3 |
| | BIOL 3030 Prin of Evol & Syst3 |
| 15 | 17 |

JUNIOR YEAR

| | |
|--|---|
| BIOL 4410 Vert Development..... 5 | BIOL 4100 Cell Biology3 |
| BIOL 4010 or 4020 Invert or Vert Bio..... 4 | BIOL 4101 Cell Biology Lab.....2 |
| PHYS 1500/1501 Physics I..... 4 | PHYS 1510/1511 Physics II4 |
| Free Elective 3 | CORE SOC SCI GROUP II3 |
| | BIOL 3060 Ecology4 |
| 16 | 16 |

SENIOR YEAR

| | |
|-------------------------------|---|
| BIOL Elective* 4 | BIOL Elective*4 |
| BIOL Elective* 4 | **BIOL 5240 Animal Physiology4 |
| BIOL Elective* 3 | STAT 3010 Stat for Engr & Sci 3 |
| CORE FINE ARTS 3 | COMM 10003 |
| 14 | 14 |

TOTAL HOURS 123

Long range schedules for COSAM courses are online at 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.

**Please see back.

ZOOLOGY, CBPS

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 5150 Animal Community Ecology, 3 hrs
BIOL 4150 Human Genetics, 3 hrs
BIOL 5360 Population Ecology, 3 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 Molecular Signal Transduction, 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 BIOL electives – students may not receive credit for both 5240 AND 5600
BIOL 5650 Ethology, 4 hrs
BIOL 5760 Mammalogy, 4 hrs

WILD 3280 Principles of Wildlife Mgmt, 3 hrs
WILD 3281 Principles of Wildlife Mgmt 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