

IN EFFECT FALL 2009**ZOOLOGY: PRE-VETERINARY OPTION (ZOO, PVET)****FRESHMAN YEAR**

ENGL 1100 English Comp I.....3	ENGL 1120 English Comp II 3
MATH 1610 Calculus I.....4	CORE HIST I..... 3
CHEM 1030 Fund of Chem I3	CHEM 1040 Fund of Chem II 3
CHEM 1031 Chem Lab 1	CHEM 1041 Chem Lab..... 1
BIOL 1020/1021 Principles of Biology.....4	BIOL 1030/1031 Organismal Biol..... 4
15	14

SOPHOMORE YEAR

CHEM 2070 Organic Chem I.....3	CHEM 2080 Organic Chem II 3
CHEM 2071 Organic Lab1	CHEM 2081 Organic Lab..... 1
CORE SOC SCI GROUP I3	CORE SOC SCI GROUP II..... 3
PHYS 1500/1501 Physics I4	PHYS 1510/1511 Physics II 4
ENGL 2200 World Literature I3	ENGL 2210 World Literature II..... 3
COMP 1000** Personal Comp App.....2	
16	14

JUNIOR YEAR

BIOL 4010 or 4020 Inv or Vert BIOL.....4	BIOL 3030 Evolution & Sys..... 3
BIOL 3000 Genetics.....4	BIOL 3060 Ecology..... 4
BCHE 3200 Prin. Of Biochemistry3	CORE FINE ARTS 3
CORE HISTORY II.....3	CORE PHILOSOPHY..... 3
COMM 1000 Public Speaking3	Free Elective 3
17	16

Students who complete the above 6 semesters and successfully complete the first year of veterinary school may be awarded a B.S. in Zoology. In the event the first year Veterinary College alternative is not followed, the indicated senior year courses must be successfully completed to receive the B.S. in Zoology.

SENIOR YEAR

BIOL 3200 Microbiology4	Biology Elective*** 9
BIOL 4100 Cell Biology3	BIOL 5240 Animal Physiology** 4
Biology Elective***5	Free Elective 3
STAT 3010 Stat for Engr & Sci3	
15	16

TOTAL HOURS 123

Long range schedules for COSAM courses are online at www.auburn.edu/cosam/students/registration/

*** A course in Animal Nutrition is now required. See advisor for details.**

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.

**Elective hours may be substituted upon passing COMP 1000 competency test. See

http://frontpage.auburn.edu/comp1000/placement_exam.htm for information about the test.

***Approved Biology 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 5150 Animal Community Ecology, 3 hrs.
BIOL 4101 Cell Biology Lab, 2 hrs
BIOL 4150 Human Genetics, 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