

IN EFFECT FALL 2009**ZOOLOGY: ECOLOGY, EVOLUTION, AND BEHAVIOR TRACK (ZOO/ECEB)****FRESHMAN YEAR**

ENGL 1100 English Comp I.....	3	ENGL 1120 English Comp II.....	3
MATH 1610 Calculus I.....	4	MATH 1620 Calculus II.....	4
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
		CORE SOC SCI GROUP I.....	3
	15		18

SOPHOMORE YEAR

CHEM 2070 Organic Chem I.....	3	PHYS 1500/1501 Physics I.....	4
CORE HISTORY.....	3	CORE PHILOSOPHY.....	3
CORE FINE ARTS.....	3	BIOL 3000 Genetics.....	4
CORE SOC SCI GROUP II.....	3	STAT 3010 Stat for Engr & Sci.....	3
ENGL 2200 World Literature I.....	3	ENGL 2210 World Literature II.....	3
	15		17

JUNIOR YEAR

BIOL 4020 Vert Biodiversity.....	4	BIOL 3060 General Ecology.....	4
BIOL 4010 Invert Biodiversity.....	4	BIOL 3030 Evol & Syst.....	3
BIOL 4100 Cell Biology.....	3	BIOL 5240 Animal Phys*.....	4
COMM 1000.....	3	Free Elective.....	3
	14		14

SENIOR YEAR

Anat/Cell/Phys Elective**.....	4	Diversity Elective**.....	4
Ecology Elective**.....	3	BIOL 5140 Plant Ecology.....	4
Diversity Elective**.....	4	BIOL 5650 Ethology.....	4
CORE HISTORY.....	3	Anat/Cell/Phys Elective**.....	3
	14		15

TOTAL HOURS 122

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.

* See option on the back of this sheet.

**Approved Anat/Cell/Phys, Ecology, and Diversity Electives are on the back of this sheet.

ZOOL, ECEB

Anatomy/Cell/Physiology electives - 7 hrs

BIOL 3010 Comparative Anatomy, 4 hrs

BIOL 4000 Histology, 4 hrs

BIOL 4101 Cell Biology lab, 2 hrs

BIOL 4150 Human Genetics, 3 hrs

BIOL 4410 Vertebrate Development, 5 hrs

BIOL 4997 Honors Thesis, maximum of 3 hrs

BIOL 4950 Undergraduate Seminar, maximum of 1 hour

BIOL 4980 Undergraduate Research, maximum of 4 hrs

BIOL 5020 Developmental Biology, 3 hrs

BIOL 5110 Parasitology, 4 hrs

BIOL 5190 Cell Mol. Signal Transduc., 3 hrs

BIOL 5340 Protozoology, 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 Anat/Cell/Phys electives – students may not receive credit for both 5240 AND 5600

Ecology Electives - 3 hrs

BIOL 5150 Animal Community Ecology, 3 hrs

BIOL 5360 Population Ecology, 3 hrs

BIOL 5160 Field Biology and Ecology, var. hrs

Diversity Electives - 8 hrs

BIOL 5090 Conservation Biology, 3 hrs

BIOL 5510 Biogeography, 3 hrs

BIOL 5550 Wetland Biology, 4 hrs

BIOL 5740 Herpetology, 4 hrs

BIOL 5750 Ornithology, 4 hrs

BIOL 5380 General Ichthyology, 4 hr

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