NAME: _____ ID#:_____

IN EFFECT FALL 2009

BOTANY CURRICULUM: ECOLOGY AND EVOLUTION TRACK (BTNY, ECEV)

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
	15		15

SOPHOMORE YEAR

CHEM 2070 Organic Chem I	3	CHEM 2080 Organic Chem II	3
CHEM 2071 Organic Lab	1	CHEM 2081 Organic Lab	1
CORE HISTORY	3	CORE HISTORY	3
CORE FINE ARTS	3	**BIOL 3000 Genetics**	**4**
CORE SOC SCI GROUP I	3	CORE SOC SCI GROUP II	3
ENGL 2200 World Literature I	3	ENGL 2210 World Literature II	3
	16		17

JUNIOR YEAR

PHYS 1500/1501 Physics I & Lab	4	PHYS 1510/1511 Physics II & Lab	4
BIOL 3030 Evol & Syst	**3**	**BIOL 3060 Principles of Ecology**	**4**
BIOL 3100 Plant Biology	**3**	STAT 3010 Stat for Eng & Sci	3
BIOL 3101 Plant Bio Lab	**1**	CORE PHILOSOPHY	3
COMP 1000*	2	Free Elective	3
	13		17

SENIOR YEAR

BIOL 5300 Plant Anatomy & Devel	**4**	**BIOL 5120 Systemic Botany**	**4**
BIOL 4950 Undergrad Seminar	**1**	**BIOL 5140 Plant Ecology**	**4**
BIOL 5130 Prin of Plant Phys	**4**	**Biology Elective****	**4**
Biology Elective**	**4**	Free Elective	2
	13		14

TOTAL HOURS 120

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.
*Elective hours may be substituted upon passing COMP 1000 competency test. See http://frontpage.auburn.edu/comp1000/placement_exam.htm about the test.
**Approved Biology electives on back of this sheet.

BOTANY (ECOLOGY AND EVOLUTION TRACT)

(BTNY, ECEV)

APPROVED BIOLOGY ELECTIVES

BIOL3200	General Microbiology (4)
BIOL4200	Clinical Microbiology (4)
BIOL4970	Special Topics (Maximum of 4 hours)
BIOL4980	Undergraduate Research (Maximum of 4 hours)
BIOL5210	Microbial Physiology (3)
BIOL5220	Introductory Molecular Genetics (3)
BIOL5230	Virology (3)
BIOL5415	Salt Marsh Plant Ecology (4)*
BIOL5425	Marine Botany (4)*
BIOL5435	Coastal Vegetation (4)*
BIOL5455	Marsh Ecology (4)*
BIOL5500	Immunology (3)
BIOL5501	Immunology Lab (2)
BIOL5521	Gene Expression and Recombinant DNA Lab (2)
BIOL5660	Food Microbiology (5)

* Offered only at sea labs. See Bulletin for details.

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