

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

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

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

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

**SOPHOMORE YEAR**

CHEM 2070 Organic Chem.....	3	CHEM 2080 Organic Chem.....	3
CHEM 2071 Organic Lab.....	1	CHEM 2081 Organic Lab .....	1
BIOL 3000 Genetics.....	4	<b>BIOL 3200 Microbiology .....</b>	<b>4</b>
PHYS 1500/1501 Physics I.....	4	PHYS 1510/1511 Physics II.....	4
ENGL 2200 World Literature I.....	3	ENGL 2210 World Literature II .....	3
	15		15

**JUNIOR YEAR**

<b>BIOL 4200 Clin Micro.....</b>	<b>4</b>	<b>BIOL 5220 Intro Molec Genetics.....</b>	<b>3</b>
BIOL 4100 Cell Biology .....	3	<b>BIOL 5210 Micro Phys .....</b>	<b>3</b>
CORE HISTORY.....	3	CORE FINE ARTS.....	3
SOC SCI GROUP I.....	3	SOC SCI GROUP II .....	3
BCHE 3200* Prin. of Biochemistry.....	3	<b>BIOL 4950 Undergrad Seminar .....</b>	<b>1</b>
	16	CORE PHILOSOPHY .....	3
			16

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

**SENIOR YEAR**

<b>BIOL 5500 Immunology.....</b>	<b>3</b>	<b>BIOL 5230 Virology.....</b>	<b>3</b>
<b>BIOL 5501 Lab.....</b>	<b>2</b>	<b>Biology Elective .....</b>	<b>3</b>
<b>Biology Elective .....</b>	<b>3</b>	BCHE 5190 Biochemistry II .....	3
BCHE 5180 Biochemistry I.....	3	COMP 1000**Personal Computer Applic. ....	2
BCHE 5181 Biochem Lab .....	1	Free Elective.....	2
Free Elective .....	4		
	16		13

**TOTAL HOURS 120**

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

Approved Biology electives are on the back of this sheet.

\*Students should consult with advisor before scheduling.

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

[http://frontpage.auburn.edu/comp1000/placement\\_exam.htm](http://frontpage.auburn.edu/comp1000/placement_exam.htm) for information about the test.

**MICROBIOLOGY/PRE-VET  
(MICB, PVET)**

**BIOLOGY ELECTIVES**

BIOL 3030	Evolution and Systematics (3)
BIOL 4000	Histology (4)
BIOL 4101	Cell Biology Lab (2)
BIOL 4970	Special Topics, maximum of 4 hours
BIOL 4980	Undergraduate Research, maximum of 4 hours
BIOL 5110	Parasitology (4)
BIOL 5190	Cell and Molec Signal Transduction (3)
BIOL 5340	Protozoology (4)
BIOL 5465	Marine Microbiology (5)*
BIOL 5521	Gene Express and Recom DNA Lab (2)
BIOL 5660	Food Microbiology (5)
BIOL 5700	Applied and Environ. Micro (4)
BCHE 5191	Biochem.II Lab (1)
PLPA 3000	General Plant Pathology (3)
STAT 3010	Stats for Engineers and Scientists (3)

\*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