

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

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

**IN EFFECT FALL 2009****BIOCHEMISTRY CURRICULUM (BCHM)****FRESHMAN YEAR**

ENGL 1100 English Comp I.....	3	ENGL 1120 English Comp II.....	3
MATH 1610 Calculus I.....	4	MATH 1620 Calculus II.....	4
<b>CHEM 1110 General Chemistry I.....</b>	<b>3</b>	<b>CHEM 1120 General Chemistry II.....</b>	<b>3</b>
<b>CHEM 1111 Chem Lab.....</b>	<b>1</b>	<b>CHEM 1121 Chem Lab.....</b>	<b>1</b>
CORE HISTORY I.....	3	<b>BIOL 1020/1021 Principles of Biology.....</b>	<b>4</b>
	14		15

**SOPHOMORE YEAR**

<b>CHEM 2070 Organic Chem I.....</b>	<b>3</b>	<b>CHEM 2080 Organic Chem II.....</b>	<b>3</b>
<b>CHEM 2071 Organic Lab.....</b>	<b>1</b>	<b>CHEM 2081 Organic Lab.....</b>	<b>1</b>
MATH 2630 Calculus III.....	4	MATH 2650 Differential Equations.....	3
PHYS 1600/1601 Physics I.....	4	PHYS 1610/1611 Physics II.....	4
<b>CHEM 3050 Analytical Chem.....</b>	<b>3</b>	CORE History II.....	3
<b>CHEM 3051 Analytical Lab.....</b>	<b>1</b>		
	16		14

**JUNIOR YEAR**

<b>CHEM 4070 Physical Chem I.....</b>	<b>3</b>	<b>CHEM 4080 Physical Chem II.....</b>	<b>3</b>
<b>CHEM 4071 Physical Lab.....</b>	<b>1</b>	<b>CHEM 4081 Physical Lab.....</b>	<b>1</b>
BIOL 3200 Microbiology.....	4	ENGL 2200 World Literature I.....	3
<b>BCHE 5180 Biochemistry I.....</b>	<b>3</b>	<b>BCHE 5190 Biochemistry II.....</b>	<b>3</b>
<b>BCHE 5181 Biochem Lab.....</b>	<b>1</b>	<b>BCHE 5191 Biochem Lab.....</b>	<b>1</b>
Elective.....	3	<b>CHEM 3000 Chem Literature.....</b>	<b>1</b>
	15	BIOL3000 Genetics.....	4
			16

**SENIOR YEAR**

<b>CHEM 4100 Inorganic Chem.....</b>	<b>3</b>	<b>CHEM 4130 Instr. Analysis.....</b>	<b>3</b>
<b>CHEM 4101 Inorganic Lab.....</b>	<b>1</b>	<b>CHEM 4131 Instr. Analysis Lab.....</b>	<b>1</b>
<b>CHEM 4950 Undergrad Seminar.....</b>	<b>1</b>	CORE FINE ARTS.....	3
<b>CHEM 4901**Special Problems.....</b>	<b>3</b>	CORE PHILOSOPHY.....	3
ENGL 2210 World Literature II.....	3	CORE SOCIAL SCI GRP II.....	3
CORE SOCIAL SCI GRP I.....	3	Elective.....	3
	14		16

**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/)  
 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.

\*\*May take more CHEM 4901 as additional elective hours.

### **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