

# Chemistry and Biology-2017

## Primary - Chemistry (Pre-Medicine), Secondary – Biology (Pre-Health Sciences -BIHS) Double Major

Name: \_\_\_\_\_ S#: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_ Advisor: \_\_\_\_\_ Date Enrolled: \_\_\_\_\_

Area I - Written Composition (6 hours)	Hrs	Grade	Sem	Notes
English Composition I: ENGL 1010 or ENGL 1017	3			
English Composition II: ENGL 1020 or ENGL 1027	3			
Area II - Humanities and Fine Arts (12 hours)				
Literature: ENGL 2530, 2540, 2570, 2580, 2600, 2610 (Minimum 3 hrs)	3			
Fine Arts: MUSI 2110, THEA 2040, VISU 1000, 2030, 2040 (Minimum 3 hrs)	3			
Communication: COMM 1010, 2212	3			
Elective: See AUM catalog for current Area II elective courses	3			
<i>Students Must take a 2 History sequence and 1 Literature or 1 History and a 2 Literature sequence.</i>				
Area III - Natural Science and Mathematics (12 hours)				
Biology I with Lab: BIOL 1010/1011, BIOL 1017/1018	4			
Biology II with Lab: BIOL 1020/1021, BIOL 1027/1028	4			
Calculus I: MATH 1610	4			
Area IV - History, Social Sciences and Behavioral Sciences (12 hours)				
History: HIST 1010, 1020, 1060, 1070, 2010, 2020 (Minimum 3 hrs)	3			
Elective: See AUM catalog for current Area IV elective courses	3			
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University Success: UNIV 1000 (3 hours)	3			
Area V- Required and Support Courses for Biology and Chemistry Majors (30 hours)				
General Chemistry I with lab: CHEM 1100/1101	4			
General Chemistry II with lab: CHEM 1200/1201	4			
Organic Chemistry I with lab: CHEM 3100/3101	4			
Organic Chemistry II with lab: CHEM 3200/3201	4			
Biochemistry with lab: CHEM 3300/3301	4			
Biostatistics: BIOL 2200	3			
Microbiology with lab: 3010/3011	4			
Genetics: BIOL 3300/3301	4			
Capstone (WI): BIOL 4952 <i>or</i> Senior Seminar: PSCI 4970	3			
Area V- Required Courses for Biology Health Sciences and Chemistry Pre Medicine (24 hours)				
Orientation for Medical Sciences: BIOL 1950	1			
Physics I with lab: PHYS 2100/2101	4			
Physics II with lab: PHYS 2200/2201	4			
Anatomy and Physiology I with lab: BIOL 2100/2101	4			
Anatomy and Physiology II with lab: BIOL 2110/2101	4			
Biomedical Vocabulary: BIOL 2410	3			

<b>Area V- Electives for Biology Health Sciences (3000 or 4000) and Chemistry Pre Medicine (28 – 30)</b>				
<b>Choose with Advisor.</b>				
BIOL Writing Intensive with lab	4			
Biology elective with lab <i>or</i> BIOL Writing Intensive with lab	4			
Biology elective with lab	4			
Biology elective with or without lab	3/4			
CHEM with lab	4			
CHEM with lab	4			
CHEM with lab	4			

Only 4 hours of Directed Research (BIOL 4932) can count as BIOL elective and BIOL 4800/4801 or 4803 can only be taken once. (Total hours 127 - 129)

**All GPAs must be 2.0 or above.**

Core GPA = \_\_\_\_\_ BIOL GPA = \_\_\_\_\_ CHEM GPA = \_\_\_\_\_ AUM GPA = \_\_\_\_\_ Overall GPA = \_\_\_\_\_

**Suggested Electives for Specific Programs:**

- PSYC 2110 Psychology and SOCI 2000 Sociology are recommended Area IV courses for MCAT preparation.
- Vertebrate Physiology – WI (BIOL 4150/4151): Required for Auburn and Samford Pharmacy Schools
- Immunobiology –WI (BIOL 4070/4071): Required for Auburn and Samford Universities Pharmacy Schools
- Cell Biology (BIOL 4350/4351): Required for Auburn University Veterinary School
- Animal Nutrition (BIOL 2040): Required for Auburn University Veterinary School
- Physical Education: Required for Samford University Pharmacy School

**Additional Information:** <http://sciences.aum.edu/departments/biology>

Freshman and sophomores should make an appointment with Sciences Central Advising 244-3592, Room 125, Taylor Center. Juniors and seniors should make an appointment with their biology advisor:  
<http://sciences.aum.edu/departments/biology/advising>

1000 level courses are freshman level, 2000 are sophomore level, 3000 are junior level, and 4000 are senior level. Each undergraduate student will be classified according to the number of semester credit hours earned at Auburn University Montgomery and other institutions as follows: freshman, 27 or fewer; sophomore, 28 to 57; junior, 58 to 87 senior, 88 or more.

In planning the sequence of your courses, you should be aware of the required prerequisite or co-requisites. These are listed with the course descriptions in the catalog. It is the responsibility of the student to know these requirements and to comply with them when registering. Any waiver of these requirements must be approved by the instructor of the course and/or the head of the department in which the course is taught.

The Department of Biology and Environmental Science requires that students complete two writing intensive courses. One of these is GEOG 4990, Research in GIS, and the other is an elective in ENSC, BIOL or GEOG which also may be required for your concentration. Writing intensive courses are designated “WI” on the schedule and have a required number of writing assignments in the class.

**UNIVERSITY CORE CURRICULUM (Areas I, II, III, and IV)**

See the current AUM Undergraduate Catalog for approved university (Areas I, II, III, and IV) core courses and the hours required in each of the four areas. Students must make a C or better in English Composition.