

**Biology-2017**  
**Molecular Biology (BIMB)**

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

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

Area I - Written Composition	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				
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				
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				
History: HIST 1010, 1020, 1060, 1070, 2010, 2020	3			
Elective: See AUM catalog for current Area IV elective courses	3			
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<i>Students Must take a 2 History sequence and 1 Literature or 1 History and a 2 Literature sequence.</i>				
University Success: UNIV 1000	<b>3</b>			
Area V- Required and Support Courses for Biology Majors				
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			
Biostatistics: BIOL 2200	3			
Microbiology with lab: 3010/3011	4			
Genetics: BIOL 3300/3301	4			
Capstone (WI): BIOL 4952	3			
Biochemistry with lab: CHEM 3300/3301	4			
Area V- Required Courses for Molecular Biology				
Physics I with lab: PHYS 2100/2101	4			
Physics II with lab: PHYS 2200/2201	4			
Immunobiology (WI): BIOL 4070/4071 or 4073	4			
Cell Biology: BIOL 4350/4501 or 4353	4			
Molecular Genetics (WI): BIOL 4600/4601 or 4603	4			

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<b>Area V- Electives for Molecular Biology 16 hrs, 2 with lab</b>				
Forensics Biology with lab	4			
Epidemiology	3			
Environmental Microbiology	4			
Virology with lab (WI)	4			
Developmental Biology/lab	4			
Industrial Microbiology/lab	4			
Vertebrate Physiology/lab	5			
Medical Microbiology/lab (WI)	4			
Endocrinology with lab	4			
Perspectives in Biology	3-4			
Directed Research	1-4			
Principles of Toxicology	3			
<b>Elective Hours 6 hrs</b>				

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

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

**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 BIOL 4952 Capstone Biology, and the other is a biology elective 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. Students must complete a 6-hour sequence in either literature or history. Students must take at least one course in history and one course in literature.

