

Senior:	Fall		
BIO 309 or 314	Microbiology or Histology	4	
BIO 4XX	BIO Elective Environmental area	4	
Elective	300/400 Level Elective	3	
Elective	Elective	3	
Elective	Elective	3	
	Fall Credits	17	
	Spring		
BIO 450	Evolution and the Integration of Knowledge	3	
CHE 310	Biochemistry	4	
BIO 421 or BIO 318	Advanced Physiology or Immunology	4	
BIO 354	Botany	4	
HUM 499	Senior Competences Assessment	0	
	Spring Credits	15	
	Total Senior Credits	32	
	Total UMary Credits	64	
	Total Bachelor's Degree Credits	125	

Specific admission requirements vary by medical school. For this reason, it is essential that students contact the schools they are interested in attending early in their academic programs, and periodically thereafter, to be sure they include all required courses in their programs of study.

Note: Because some biology courses (e.g. Microbiology) are offered every other year, it is important for students to consider the rotation of courses in planning their programs of study to ensure they take these courses in the appropriate year.

Biology Electives: Students must take five biology electives selected from three major areas of study. Of the five, at least one course must be taken from each of the three areas. These electives are in addition to the required biology courses.

Organismal & Systematics Area

BIO 207	Human Anatomy and Physiology I	(Bio 207 & 208 together count as 1 elective)
BIO 208	Human Anatomy and Physiology II	
BIO 312	Parasitology	
BIO 330	Zoology	
BIO 421	Advanced Physiology	
BIO 339	Mammalogy	
BIO 333	Ornithology	

Cell and Molecular Area

BIO 309	Microbiology
BIO 310	Cell and Molecular Biology
BIO 314	Histology
BIO 318	Immunology and Serology
BIO 319 and 320	Hematology and Hematology Lab
BIO 417	Developmental Biology

Environmental Area

BIO 326	Environmental Biology
BIO 415	Conservation Biology
BIO 422	Principles of Ecology
BIO 423	Animal Behavior
BIO 433	Range Management
BIO 432	Wildlife Management