

Course Title	Number	Typical Sequence	Credits	Laboratory	Semester & Year
Core Sequence	Bio 203 is offered only in Fall, & 204 only in Spring semester.				
Intro Biol: Molecules, Cells...	Bio 203 & 203L & 203D	Fall Freshman Year	4	included	
Intro Biol: Organisms...	Bio 204 & 204L & 204D	Spring Freshman Year	4	included	
Integrative & Comparative Biology Requirement (Any one of):					
Integ. Biol 1: Animals	Bio 302	Fall Soph Year	4	included	
Integ. Biol 2: Plants	Bio 304	Spring Soph Year	4	included	
Microbiology	Bio 306	Fall/Sp Soph Year	4	included	
Molecular/Cellular Biology Requirement (Any one of):					
Molecular Cell Biology OR Developmental Biology OR Genetic Analysis	Bio 310 or 420 or 433	Soph or Junior year	3		
Population Processes Requirement (Any one of):					
Evolution of Organisms, Conservation Biology, Plant Systematics, P&C Ecology, Aq. Ecology, Wetland Ecosystems	Bio 312, 318, 412, 417, 426, or 427; possibly other courses	Soph or Junior year	3		
Required 400 level laboratory (may be with a course above or another 400-level class)					
			1		
Required Seminar course (usually Bio 460; some others meet seminar requirements)					
	Bio 460 (or other)		3		
To the reach the required 37 credits in Biology, add electives (may include research) (Includes nearly any 300-400 level Biology course--check course descriptions for application to major)					
Freshman Research	Bio 201	Usually Sprng Freshm	1		
Research in Biology (1 st 3 credits count for major)	Bio 403 (or 303)	Any time (total up to 3 towards major, 6 towards graduation)			
Honors in Biology	Bio 495 & 496	Normally F & Sp, Sr	(3 + 3 = 6)		
Summer non-WM Field Courses and/or biology Study Abroad Credits: (With a petition, these may count toward your 37 biology credits & toward other requirements. For appropriate courses, it's not hard, but you need pre-approval from the Biology Department AND a Petition to the Committee on Degrees. The Biology Department endorses appropriate courses. Talk or email the Dept. Chair or Study Abroad Coordinator in Biology to learn the process and check on courses. Under usual circumstances, the maximum approved toward a biology major or minor is 8 credits.)					
CHECK: Total Biology Credits at least 37:					
Biology elective credits (these credits will be on your transcript, but not applicable to major or minor)					
Research in Biology Other course(s) in BIOL designated NOT for major or minor credit	Bio 403	Any time	All credits beyond your 1 st three		
Requirements OUTside of Biology Chemistry Sequence (May be taken elsewhere with Chemistry Department preapproval)					
General Chemistry 1 & lab	Chem 103 & Lab	Fall, Fr or Soph	4	Lab Required	
Organic Chemistry 1 & lab	Chem 206 & Lab	Spring, Fr or Soph	4	Lab Required	
Calculus 1	Math 131 or 111	Fall or Sp, Fr or Soph	4		
Second Quantitative Class (Bio 327 or 425 can count in 37 credits of Bio Major)	Math 132, 112 (or Bio 327 or 425) & some others	various	3 or 4		
Not required for Biology Major, but may be for professional programs					
Organic Chemistry 2	Chem 307 & Lab	various	4	usually required	
General Chemistry 2	Chem 308 & Lab	various	4	usually required	

Physics I (PHYS 101 is OK)	Phys 107 & Lab	various	4	usually required
Physics II (PHYS 102 is OK)	Phys 108 & Lab	various	4	usually required
ADDITIONAL COURSES OR NOTES:				
Study abroad doesn't always need a petition to the committee on degrees for biology credit if it is a clear match to				
				a required course or is sufficiently biological to count as elective credits for Bio 404.
http://www.wm.edu/offices/revcenter/studyabroad/policies/academic/index.php				
Students must still take one integrative course with a lab - but may choose to take a second w/o a lab.				
The required lab can be with a 400-level course above or another 400 level lab				