Course Title	Number	Typical Sequence	Credits	Labora-tory	Semester & Year
Core Sequence	**Bio 203 is offered only in Fall, & 204 only in Spring semester. (POSSIBLY summer)**				
Intro Biol: Molecules, Cells..	Bio 203 & 203L	Fall of Fr Year	4	included	
Intro Biol: Organisms…	Bio 204 & 204L	Spring of Fr 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 OR Molecular Genetics	Bio 310 or 420 or 433 or 442	Soph or Junior year	3		
Population Processes Requirement (Any one of):					
Evolution of Organisms, Conservation Biol, Plant Syst, Anim Behav, P&C Ecology, Aq. Ecology, Wetland Ecosystems	Bio 312, 318, 410, 412, 417, 426, or 427; occasionally other courses	Soph or Junior year	3		
Required 400 level laboratory ***(may be with a course above or as a different 400-level class)***					
		Usually Jr or Sr year	1		
Required Seminar course (usually Bio 460; some others meet seminar requirements)					
	Bio 460	Junior or Senior year	3		
To reach the required 37 credits in Biology, add electives (may include BIOL 403/495/496)					
(Includes most 300-400 level Biology course--check course descriptions for application to major)					
Research in Biology (1st 3 credits applicable toward a BIOL major)	Bio 403	Any years (total up to 3 credits BIOL 403 applies towards major, 6 credits towards graduation)			
Honors in Biology	Bio 495 & 496	Usually F & Sp, Sr Yr	(3 + 3 = **6**)		
***NOTE**: Freshman Research & Introd. to Biol. Research are **NOT** applicable to a BIOL Major*	*Bio 201 or Bio 303*	*Usually Fr or SO yr*	**NOT applicable to BIOL major**		

Summer non-WM Field Courses and/or biology Study Abroad Credits:					
(With a petition, study abroad 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 maybe a Petition to the Committee on Degrees. The Biology Department endorses appropriate courses.					
Talk or email the Biology Study Abroad Coordinator or Dept. Chair to learn the process and check on courses.					
Under usual circumstances, the maximum astudy abroad approval toward a biology major or minor is 8 credits.)					
CHECK: Total Biology Credits total at least 37:					
Requirements OUTside of Biology					
(CHEM or MATH courses may be taken elsewhere with *Chemistry or Math 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 the 37 credits for Bio Major)	Math 132 or Math 112 **or** Bio 327 or Bio 425	Fr, So, Jr, or Sr year	3 or 4		
Some Biology Courses are NOT applicable to a BIOL major					
Include here course(s) in BIOL designated **NOT** for major or minor credit	Courses not applicable to a BIOL major include Bio100, Bio150, Bio 1xx, Bio201, Bio303, etc.	Check the course catalog to learn if a particular course is not applicable			
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.				
https://www.wm.edu/offices/revescenter/geo/studyabroad/resources/policies/academic/studyabroadcoll300/index.php					
Students must take one integrative course with a lab - but may choose to take a second.					
The required upper level lab can be part of a 4-credit 400-level course OR a stand-alone 1-credit 400-level laboratory					