

2018-19 Semester Planner for B.S. Biology Cell & Molecular Concentration Placement in Math 151/156 and WRTG 111

Fall First year* (15+ credits)			Spring First year (15+ credits)		
Chem 105	Chemistry I	4	Chem 106	Chemistry II	4
Biol 115	Biology I	4	Biol 116	Biology II	4
WRTG 111	Academic Writing	3	Math 151/ 156	GER Math	4
LS 101	Library Science	1	COJO 121/131/141	GER Communications	3
1)	GER A/H/SS	3-5			
Fall Second year (14+ credits)			Spring Second year (14+ credits)		
Biol 260	Genetics	4	Biol 360	Cell and Molecular Biology	3
WRTG 211/212/ 213/214	Academic Writing II	3	Math 230/251	Calculus I/Calc w/Applications	4
Chem 321	Organic Chemistry I	4	Chem 325	Organic Chem II	4
1)	GER A/H/SS	3-5	1)	GER A/H/SS	3-5
Fall Third year (13+ credits)			Spring Third year (12+ credits)		
Chem 450	Information Storage & Transfer	3	Chem 351	General Biochem Metabolism	3
Phys 103	College Physics I	4	Physics 104/ CS 103/CS 201	only need one of these	3-4
Stat 200 or 300	Statistics	3	1)	GER A/H/SS	3-5
1)	GER A/H/SS	3-5	3), 4), or 5)	Biol major requirement	3-4
Fall Fourth year (10+ credits)			Spring Fourth year (9+ credits)		
Biol 481	Evolution	4	2)	GER Ethics	3
Biol 400	Capstone		3), 4), or 5)	Biol major requirement	3-4
3), 4), or 5)	Biol major requirement	3-4	3), 4), or 5)	Biol major requirement	3-4
3), 4), or 5)	Biol major requirement	3-4			

In addition to the specifically listed courses above, you are required to work in the GER as well as

Major requirements listed below:

- 1) GER specific list A/H/SS (5 classes): 1 Art (most require Sophomore standing); 1 Humanities; 2 Social Sciences (two different disciplines); 1 additional from the Art/Humanities/Social Sciences lists
- 2) GER specific list: 1- 300 level Ethics (Jr standing or above)
- 3) One of the following: Biol 310 Animal Physiology; Biol 342 Microbiology; Biol 434 Structure & Function of Vascular Plants; or [Biol 111 AND 112 Human Anatomy and Physiology I and II]
- 4) One List A Biology elective; and two List A or B Biology elective (3 total courses)
- 5) One List C or D Biology elective
- 6) Biol 400 Capstone – can be built into a specific course & double counted as biology elective 4) or 5) category: Biol 434; 441; 466; 472; 473; 491; or can be an independent study set up between a student and faculty member – can also be designated as a List ___ Biology elective based upon research focus to cover one of the required 4) or 5).
- 7) General Electives enough to bring credit total to 120 credits

*May need to consider taking Biology/Chemistry/Math or Stats courses over summer semester reduce course load

08/30/18