

### SUNY Potsdam 3 Year Degree Option; Sample Three-Year Plan for Completion of B.S. in Biology

Note: This list of courses provides an example of how a student might complete the degree in three years. Different students will take the required courses in slightly different orders, as each of them decides in consultation with their adviser, and in accordance with when different courses are actually offered. Also: no more than two courses (8 credits) from any one department or area can be used to meet the modes component of the General Education Program, and students should work with their advisers to choose courses accordingly.

#### First Year 38 Credits:

Fall Semester		Spring Semester	
General Biology I (SB, LB)	4	General Biology II	4
General Chemistry I (SP, LB)	4	General Chemistry II	4
Writing & Critical Thinking (FW)	4	Stats (FM)	4
PI/FC (or other Gen Ed combo course)	3	PE/HW requirement	1
	<u>    </u>	AC/FS (or other Gen Ed combo course)	<u>4</u>
TOTAL	15	TOTAL	16/17
First Summer Course		Second Summer Course	
XC (or other Gen Ed Mode)	3	AH (or other Gen Ed Mode)	3

#### Second Year 46-47 credits, 27-28 of which are UD (upper division):

Fall Semester		Spring Semester	
Ecology (WI)	4 UD	Genetics	4 UD
Organic Chemistry I	4 UD	Organic Chemistry II	4 UD
Physiology	4 UD	Calculus I	4
AE	3	Bio elective (A&P II)	4 UD
ML 101 or other Gen. Ed requirement	<u>3</u>	ML 102	<u>3</u>
TOTAL	18	TOTAL	19
Winterim of Second year			
Biol – (Florida Trip or on campus)	3/4 UD		
First Summer Course		Second Summer Course	
ML 103	3	WC	3

#### Third Year 38-47 Credits, 23 of which are UD:

Fall Semester		Spring Semester	
Microbiology	4 UD	Biol Elective	4 UD
Current Topics (SI)	3 UD	Biochem II	4 UD
General Physics 1	4	General Physics 2	4
PE/HW requirement	1	Research in Biology	2 UD
Biochem I	4 UD	SA	<u>3</u>
Research in Biology	<u>2 UD</u>	TOTAL	17
TOTAL	18		
Winterim of Third year			
Biol – (Florida Trip or on campus)	3/4		
First Summer Course		Second Summer Course	
Sponsored research/ internship (optional) 0-3	0-3	Sponsored research/ internship (optional)	0-3

**Total Credits: 122-132 Credits, 50 of which are UD (not including any sponsored research or internships)**

**Notes:**

- This sample template above assumes no AP and no ML credit from High School.
- Also the template is arranged to accommodate a rigorous schedule to accommodate students with pre health (Pre-med, PA, PT, etc.) aspirations. In 2015 changes in the MCAT exam will call for more Biochemistry.
- The Physiology requirement can be met in either the second or third year.
- PA and PT programs require a two-semester sequence of Human Anatomy & Physiology. Since we offer this sequence on an every other year pattern, the proposed template provides that flexibility.
- Each of the two required PE/HW courses can be taken in any semester.
- Research in Biology is listed in both semesters to make certain the 45 credit UD requirement is met. An UD course can be substituted for the research. While not required, independent research is a valuable experience for our students who apply to graduate and professional programs. This research experience could be met during a summer while a student is taking summer courses.
- Winterim credits in years two and three assumes at least one three-credit course and one four credit course.