

Bachelor of Science, Biology: Pre-Medicine Concentration (PMED)

***Sequence of courses may be altered with consent of advisor.

Course No.	Description	Cr.
First Year Fall		
<input type="checkbox"/> BIOL 110	Evolution, Ecol, & Plant Biol.	4
<input type="checkbox"/> CHEM 121	Chemistry Principles I	4
<input type="checkbox"/> MATH 121	Calculus/Geom I	3
<input type="checkbox"/> HIST xxx	History Elective	3
<input type="checkbox"/> ENGL 103	Writing for Discipline	3
<input type="checkbox"/> CORE 103	Fall Comm. Enrich. Series	0
<input type="checkbox"/> BIOL 131	Biology Freshman Seminar	0
Total Credits		17

Second Year Fall		
<input type="checkbox"/> BIOL 211	Comp. Vertebrate Anat.	4
<input type="checkbox"/> CHEM 221	Organic Chemistry I	4
<input type="checkbox"/> ENGL 104	Intro to Literature	3
<input type="checkbox"/> PHIL 205	Reason and Responsibility	3
<input type="checkbox"/> GETM III	Div & Comm Outer Core (III)	3
<input type="checkbox"/> CORE 211	Personal Wellness	0
Total Credits		17

Third Year Fall		
<input type="checkbox"/> BIOL 301	Genetics & lab	4
<input type="checkbox"/> PHYS 104	Intro to Physics I	4
or 121	Gen. Physics I	
<input type="checkbox"/> BIOL 401	Cell & Molecular Biology	4
<input type="checkbox"/> SOC SCI	Elective	3
<input type="checkbox"/> BIOL 331	Biology Junior Seminar	0
<input type="checkbox"/> EXAM 301	Writing Competency	0
Total Credits		15

Fourth Year Fall		
<input type="checkbox"/> BIOL xxx	Biology Elective	4
<input type="checkbox"/> LANG xxx	Foreign Lang. (102 or higher)	3
<input type="checkbox"/>	Free Elective	3
<input type="checkbox"/>	Free Elective	3
<input type="checkbox"/>	Free Elective	3
Total Credits		16

Total Required Credits: 128

Course No.	Description	Cr.
First Year Spring		
<input type="checkbox"/> BIOL 111	Molecules, Cells, & Anim. Phys.	4
<input type="checkbox"/> CHEM 122	Chemistry Principles II	4
<input type="checkbox"/> SOC SCI	Elective	3
<input type="checkbox"/> RLST 105	Francis and Global Issues	3
<input type="checkbox"/> CORE 113	Gen Ed 1 st Year Seminar	3
<input type="checkbox"/> CORE 104	Spring Comm. Enrich. Series	0
Total Credits		17

Second Year Spring		
<input type="checkbox"/> BIOL 406	Vertebrate Physiology	4
<input type="checkbox"/> CHEM 222	Organic Chemistry II	4
<input type="checkbox"/> Statistics	Statistics Course (see note)	3-4
<input type="checkbox"/> PHIL 312	Health Care Ethics (GETM I)	3
<input type="checkbox"/> FNAR xxx	Fine Arts Elective	3
<input type="checkbox"/> CORE 212	Community & Global Wellness	0
<input type="checkbox"/> BIOL 231	Biology Sophomore Seminar	0
Total Credits		17-18

Third Year Spring		
<input type="checkbox"/> BIOL 302	General Microbiology	4
<input type="checkbox"/> PHYS 105	Intro to Physics II	4
or 122	Gen. Physics II	
<input type="checkbox"/> GETM IV	Soc Sys Outer Core (IV)	3
<input type="checkbox"/> BIOL 405	Biochemistry	3
<input type="checkbox"/>	Free Elective	3
Total Credits		17

Fourth Year Spring		
<input type="checkbox"/> BIOL 402	Evolution	3
<input type="checkbox"/> BIOL 431	Biology Senior Seminar	1
<input type="checkbox"/>	Free Elective	3
<input type="checkbox"/>	Free Elective	2
<input type="checkbox"/> CORE 407	Keystone Seminar	3
<input type="checkbox"/> EXAM 401	Dept. Comp. Exam	0
Total Credits		12

Biology Elective Course:

Students should take one of the following:

- BIOL 203 – Ecology (F)
- BIOL 208 – Animal Behavior (F)
- BIOL 212 – Developmental Biology (S)
- BIOL 398 or 399 – Biology Internship
- Any 400- or 500- level Biology Course

Statistics Requirement can be fulfilled* by:

- BIOL 315 – Biostatistics (S)
- MATH 215 – Introductory Statistics (F,S)
- STAT 205 – Essentials of Statistics (F,S)

* Students are encouraged to check with relevant professional schools to verify mathematics and statistics entrance requirements.

Notes:

- BIOL 212 Developmental Biology is recommended.
- Consider undergraduate research.
- Job Shadow during summer after freshman and sophomore years.
- Plan to take entrance exam summer after junior year.
- Begin prep for that exam during sophomore year.
- STAT 205 or MATH 215 is recommend over BIOL 315 students that will apply to schools that require two semesters of college mathematics.
- MATH 122 (taken as free elective) is required for PHYS 121
- Consider the following electives for Gen Ed Req's
- Inner core social science elective:
 - PSYC 101 - Intro to Psych
 - SOC 101/102 - General Sociology
- Outer core:
 - HIST 245 History of Medicine
 - PSYC 204 Developmental Psychology
 - SOC 312 Medical Sociology

Updated: 5/2017