

Joseph Erevelles Biology Pre-Medicine Program (B.S. Biology, Pre-Med Concentration; PMED): 2023-2024 Catalog

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
or 112	Calculus	
<input type="checkbox"/> HIST xxx	History Elective 100-200 level	3
<input type="checkbox"/> WRIT 102	Research Writing	3
<input type="checkbox"/> CORE 103	Fall Comm. Enrich. Series	0
<input type="checkbox"/> BIOL 131	Biology First Year Seminar	0
Total Credits		17

Second Year Fall		
<input type="checkbox"/> BIOL 406	Vertebrate Physiology	4
<input type="checkbox"/> CHEM 221	Organic Chemistry I	4
<input type="checkbox"/> LIT 104, 201, 202, 204, 207, 270	Literature	3
<input type="checkbox"/> PHIL 205	Discovering Philosophy	3
<input type="checkbox"/>	Diversity Elective	3
Total Credits		17

Third Year Fall		
<input type="checkbox"/> BIOL 302	General Microbiology	4
<input type="checkbox"/> PHYS 104	Intro to Physics I	4
or 121	Gen. Physics I	
<input type="checkbox"/> BIOL 405	Biochemistry	4
<input type="checkbox"/> SOC SCI	Social Science Elective II	3
<input type="checkbox"/> PMED 331	Junior Pre-Med Seminar	0
<input type="checkbox"/> EXAM 301	Writing Competency	0
Total Credits		15

Summer after 3rd yr	Take Entrance Examination (MCAT, DAT, OAT, GRE, etc) Submit Applications for Professional School
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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	Social Science Elective I	3
<input type="checkbox"/> FTAE 105	Franciscan Goals for Today	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 211	Comp. Vertebrate Anat.	4
<input type="checkbox"/> CHEM 222	Organic Chemistry II	4
<input type="checkbox"/> Statistics	Statistics Course (see note)	3-4
<input type="checkbox"/> PHIL xxx	300+ PHIL or FTAE class	3
<input type="checkbox"/> FNAR xxx	Fine Arts Elective	3
<input type="checkbox"/> BIOL 231	Biology Sophomore Seminar	0
Total Credits		17-18

Third Year Spring		
<input type="checkbox"/> BIOL 301	Genetics	4
<input type="checkbox"/> PHYS 105	Intro to Physics II	4
or 122	Gen. Physics II	
<input type="checkbox"/> ECON/PLSC/PSYC/SOC	Social Science III	3
<input type="checkbox"/> BIOL 401	Cell & Molecular Biology	4
<input type="checkbox"/>	Free Elective	3
Total Credits		18

Fourth Year Spring		
<input type="checkbox"/> BIOL 402	Evolution	3
<input type="checkbox"/> BIOL 431	Biology Senior Seminar	1
<input type="checkbox"/>	Free Electives	5
<input type="checkbox"/> CORE 407	Keystone Seminar	3
<input type="checkbox"/> EXAM 401	Dept. Comp. Exam	0
Total Credits		12

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

Biology Elective Course:

Students may take:

Any 200- Biology course EXCEPT BIOL 205, 206, or 214
Any 300- or 400-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:

Consider undergraduate research.

Plan to take entrance exam summer after junior year. Begin prep for that exam during sophomore year.

We recommend applying to 10-15 professional schools.

Job Shadow and seek internship/research positions during summers.

BIOL 212 Developmental Biology is recommended as a biology elective.

PHIL 312 Health Care Ethics recommended for PHIL/FTAE 300+ elective.

STAT 205 or MATH 215 is recommend over BIOL 315 for students that will apply to schools that require two semesters of college math.

MATH 122 (taken as free elective) is required for PHYS 121.

Students strong in math are encouraged to take MATH 121/122 & PHYS 121/122.

Consider the following electives for Gen Ed social science electives:

- PSYC 101 - Intro to Psych
- SOC 101/102 - General Sociology
- HIST 245 History of Medicine
- PSYC 204 Developmental Psychology
- SOC 312 Medical Sociology