

Joseph Erevelles Biology Pre-Medicine Program (B.S. Biology, Pre-Med Concentration; PMED): 2024-2025 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"/> ---- xxx	Social Sciences (PSYC 101 rec'd)	3
<input type="checkbox"/> FTAE 105	Intro to Franciscan Theology	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"/> PHIL 105/...	Philosophy	3
<input type="checkbox"/> CORE II	Civic Responsibility & Citizenship	3
<input type="checkbox"/> LIT xxx	Literature	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"/> PMED 331	Junior Pre-Med Seminar	0
<input type="checkbox"/>	Free Elective	3
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"/> ---- xxx	Language and Cultures	3
<input type="checkbox"/>	Free Elective	3
<input type="checkbox"/>	Free Elective	3
<input type="checkbox"/>	Free Electives	3
Total Credits		16

Course No.	Description	Cr.
First Year Spring		
<input type="checkbox"/> BIOL 111	Molecules, Cells, & Anim. Phys. #NS	4
<input type="checkbox"/> CHEM 122	Chemistry Principles II	4
<input type="checkbox"/> MATH 121	Calculus/Geom I	3
or 112	Calculus	
<input type="checkbox"/> CORE I	Building a Foundation	3
<input type="checkbox"/> HIST xxx	History	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 (see note) #QR	3
<input type="checkbox"/> FTAE/PHIL	Ethics	3
<input type="checkbox"/> BIOL 231	Biology Sophomore Seminar	0
<input type="checkbox"/>	Free Elective	3
Total Credits		17

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"/> BIOL 401	Cell & Molecular Biology	4
<input type="checkbox"/> FNAR/ART	Fine Arts and Creative Expression	3
Total Credits		15

Fourth Year Spring		
<input type="checkbox"/> BIOL 402	Evolution	3
<input type="checkbox"/> EXAM 401	Dept. Comp. Exam	0
<input type="checkbox"/> CORE III	Junior/Senior Capstone	3
<input type="checkbox"/> BIOL 383	Biol. Research Methods Sem. #AL	2
<input type="checkbox"/>	Free Elective	3
<input type="checkbox"/>	Free Elective	3
Total Credits		14

***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 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, submitting July/Aug before senior year.

Job shadow & seek internship/research positions in summers.

BIOL 212 Developmental Biology is rec'd as a biology elective.

PHIL 212 Health Care Ethics recommended for Ethics elective.

STAT 205 or MATH 215 is rec'd over BIOL 315 for students that will apply to schools that require two sem. of college math.

MATH 122 (taken as free elective) is required for PHYS 121. Students strong in math should take MATH 121/122 & PHYS 121/122.

SOC 101 *and* PSYC 101 recommend social science classes.