

## Bachelor of Science, Biology: BS + PharmD (Duquesne 3+4): 2023-2024 Catalog

Course No.	Description	Cr.
<b>First Year</b>		
<b>Fall</b>		
□ BIOL 110	Evolution, Ecol, & Plant Biol.	4
□ CHEM 121	Chemistry Principles I	4
□ MATH 121	Calculus/Geom I	3
□ WRIT 102	Research Writing	3
□ HIST xxx	History Elective 100-200 level	3
□ CORE 103	Fall Comm. Enrich. Series	0
□ BIOL 131	Biology First Year Seminar	0
<b>Total Credits</b>		<b>17</b>

Course No.	Description	Cr.
<b>Second Year</b>		
<b>Fall</b>		
□ BIOL 406	Vertebrate Physiology	4
□ CHEM 221	Organic Chemistry I	4
□ LIT 104, 201, 202, 204, 207, 270	Literature	3
□ PHIL 205	Discovering Philosophy	3
□	Diversity Elective	3
<b>Total Credits</b>		<b>17</b>

Course No.	Description	Cr.
<b>Third Year</b>		
<b>Fall</b>		
□ BIOL 302	General Microbiology	4
□ PHYS 121	Gen. Physics I	4
□ BIOL 405	Biochemistry	4
□ PSYC 101	Psychology (Soc Sci II)	3
□ PMED 331	Junior Pre-Med Seminar	0
□ EXAM 301	Writing Competency	0
□ LANG xxx	Foreign Lang. (102 or higher)	3
<b>Total Credits</b>		<b>18</b>

Total Required Credits: 103-104 at SFU, plus first year at Duquesne School of Pharmacy

Course No.	Description	Cr.
<b>First Year</b>		
<b>Spring</b>		
□ BIOL 111	Molecules, Cells, & Anim. Phys.	4
□ CHEM 122	Chemistry Principles II	4
Statistics	Statistics Course (see note)	3-4
□ FTAE 105	Franciscan Goals for Today	3
□ CORE 113	Gen Ed 1 <sup>st</sup> Year Seminar	3
□ CORE 104	Spring Comm. Enrich. Series	0
<b>Total Credits</b>		<b>17-18</b>

Course No.	Description	Cr.
<b>Second Year</b>		
<b>Spring</b>		
□ BIOL 211	Comp. Vertebrate Anat.	4
□ CHEM 222	Organic Chemistry II	4
□ ECON 101	Economics (Soc Sci I)	3
□ PHIL 312	Health Care Ethics (Ethics req)	3
□ FNAR xxx	Fine Arts Elective	3
□ BIOL 231	Biology Sophomore Seminar	0
<b>Total Credits</b>		<b>17</b>

Course No.	Description	Cr.
<b>Third Year</b>		
<b>Spring</b>		
□ BIOL 301	Genetics	4
□ PHYS 122	Gen. Physics II	4
or 105	Intro to Physics II	
□ ECON/PLSC/PSYC/SOC	Social Science III	3
□ BIOL 401	Cell & Molecular Biology	4
□ CORE 407	Keystone Seminar	3
□ BIOL 431	Biology Senior Seminar	1
<b>Total Credits</b>		<b>19</b>

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

### Notes:

#### Statistics Requirement can be fulfilled\* by:

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

Pharmacy calculations (2 credits) must be completed the summer before matriculating to the Mylan School of Pharmacy

**Admission:** Requirements for admission and other details of the "3+4" Program in Pharmacy are described in the Affiliation Agreement between Duquesne University Mylan School of Pharmacy and Saint Francis University.

**Degrees:** After completing three years at Saint Francis University and a successful year at Duquesne School of Pharmacy, the student is awarded a B.S. from Saint Francis University in Biology. The conversion of the Doctor of Pharmacy degree occurs after successful completion of all coursework at Duquesne and by recommendation of the Duquesne University Mylan School of Pharmacy.

Updated: 5/2023