

## **Biology B.S. and Pharmacy Degree, Joint 3+3 Program**

This is a joint program with University of Saint Joseph School of Pharmacy. In the third year application is made to the Pharmacy School; students are given priority consideration for admission to the Pharmacy doctoral program. A 3.3 GPA is recommended.

<b>First Year</b>			
	Fall		Spring
BIO 122, Introductory Biology I	4	BIO 123, Introductory Biology II	4
CH 110, College Chemistry I*	4	CH 111P, College Chemistry II	4
Humanities elective (Diversity) <sup>1</sup>	3	M 144, Calculus I	4
FYS 100P, First Year Seminar	3	WRT 110, Academic Writing I	3
DIA 100, Dialogue	<u>1</u>	UISA <sup>2</sup>	<u>3</u>
	15		18

<b>Sophomore</b>			
	Fall		Spring
BIO 260W, Ecology	4	BIO 213, Anatomy and Physiology II <sup>3</sup>	4
BIO 212, Anatomy and Physiology I <sup>3</sup>	4	CH 231, Organic Chemistry II	4
CH 230, Organic Chemistry I	4	BIO 272W, Genetics	3
WRT 210, Foundations of Argument	3	BIO 273W, Genetics lab	1
M 115, Biostatistics	<u>3</u>	Social Science Elective (Citizenship) <sup>4</sup>	3
	18	CS 110, CS 111, or CS 114	3
		CRD 200	<u>1</u>
			19

NOTE: Students who expect to transition to the Pharmacy Program at St. Joseph's University in the senior year MUST begin the process of applying for admission to the St. Joseph's program during the summer before the junior year. This process includes preparing for the PCAT (to be taken in the fall of the junior year) and beginning the application process to be completed in the fall of the junior year.

<b>Junior</b>			
	Fall		Spring
BIO 352, Molecular Cell Biology	4	BIO 446, Biochemistry II	3
BIO 442, Microbiology	4	PHY 121, Algebra-Based Physics II	4
PHY 120, Algebra-Based Physics I	4	Humanities elective (CMM115) <sup>5</sup>	3
Humanities Elective (ENG140)	3	Social Science Elective (EC)	3
UISC <sup>2</sup>	<u>3</u>	UIST	<u>3</u>
	18		18

NOTE: Students who have been accepted into the Pharmacy Program at St. Joseph's will complete their requirements for the BS at St. Joseph's during their senior year, as they begin Pharmacy coursework.

<b>Senior</b>	
BIO Electives*	6
UISS <sup>6</sup>	3
Electives <sup>7</sup> and/or LBC requirement <sup>8</sup>	<u>6</u>
	15

<sup>1</sup>The Diversity course must be from the approved list. It is recommended that students take foreign language.

<sup>2</sup>The UISA and UICC courses must be from the approved list to fulfill the St. Joseph's humanities and social science requirement (see below)

<sup>3</sup>The BIO336 requirement for the B.S. Biology degree will be waived for students enrolled in the 3+3 program upon completion of BIO212 and 213.

<sup>4</sup>The Citizenship/Community course must be from the approved list. It is recommended that students take a POL or SOC course.

<sup>5</sup>Students enrolled in the 3+3 program will be allowed to substitute CMM115 for an A&S Humanities requirement.

<sup>6</sup>The UISS requirement may be satisfied using PHCY 728 (Pharmacy Law) from the Pharmacy program.

<sup>7</sup>Free electives needed to obtain 120 credits may be satisfied using any remaining courses from the Pharmacy program.

<sup>8</sup>The Learning Beyond the Classroom (LBC) requirement is fulfilled through an academic experience and a reflection. Examples of academic experiences include internship, practicum, student teaching placement, preceptorship, honors thesis, independent research, study abroad, teaching assistantship, service learning/civic or community engagement. LBC must be declared and approved prior to beginning, and reflected upon in writing at mid-point and at culmination. Seniors should consider internships and independent research experiences.

The following **UISA** courses have been approved to satisfy the St. Joseph's humanities elective:  
UISA 110, 120D, 125, 130, 140, 150D, 165, 190

The following **UICC** courses have been approved to satisfy the St. Joseph's social science elective:

UISC 110D, 140, 150, 160, 165, 185D, 190, 210, 190, 210, 211, 212

### Potential St. Joseph's Courses for BIO electives

PHCY 710	Introduction to Pharmacology	2
PHCY 715	Protein Function	2
PHCY 716	Information Metabolism: Nucleic Acids and Cellular Communication	2
PHCY 717	Carbohydrate, Lipid and Amino Acid Metabolism	2
PHCY 730-737	Pharmacology Courses (Various)	2-3

\*These courses would be transferred to the University of Hartford as CH 4xx.