

**Biology: Pharmacy (Joint Touro College of Pharmacy)**
**3+4 Track**
**Recommended Four-Year Plan (Fall 2021)**

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans are the recommended sequences of courses. Students must meet with their Major Advisor to develop a more individualized plan to complete their degree. This plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which are not listed in the plan.

**NOTE:** This recommended Four-Year Plan is applicable to students admitted into the major during the 2021/22 academic year.

<b>First Year</b>					
<b>Fall Semester</b>	<b>HRS</b>	<b>✓</b>	<b>Spring Semester</b>	<b>HRS</b>	<b>✓</b>
Gen Ed: INTD or HNRS 101-First Year Seminar	4		BIOL 113-Fundamentals of Biology II*	4	
Gen Ed: CHEM 116-General Chemistry I	4		BIOL 113L-Fundamentals of Biology II Lab	1	
Gen Ed: CHEM 116L-General Chemistry I Lab	1		CHEM 117-General Chemistry II Lecture*	4	
BIOL 111-Fundamentals of Biology I	4		CHEM 117-General Chemistry II Lab	1	
BIOL 111L-Fundamentals of Biology I Lab	1		Gen Ed: MATH 121-Calculus I^	4	
Gen Ed: CRWT 102-Critical Reading & Writing II	4		Gen Ed: SOSC 110-Social Science Inquiry**	4	
			Career Pathways: PATH TS1 - Career Pathways Module 1	<b>Degree Rqmt.</b>	
<b>Total:</b>	18		<b>Total:</b>	18	

<b>Summer Semester</b>	<b>HRS</b>	<b>✓</b>
(General Ed: Distribution Category) Culture and Creativity; OR Systems, Sustainability, and Society OR; Values and Ethics**	4	
<b>Total:</b>	4	

<b>Second Year</b>					
<b>Fall Semester</b>	<b>HRS</b>	<b>✓</b>	<b>Spring Semester</b>	<b>HRS</b>	<b>✓</b>
CHEM 211-Organic Chemistry I Lecture *	4		BIOL 332-Genetics Lecture *	4	
CHEM 211L-Organic Chemistry I Lab	1		BIOL 332L-Genetics Lab	1.5	
BIOL 311-Microbiology Lecture	4		ENSC 345-Research Design and Statistics	4	
BIOL 311L-Microbiology Lab	1.5		Gen Ed: Historical Perspectives (HP)**	4	
ECON 101-Microeconomics or ECON 102-Introduction to Macroeconomics	4		CHEM 213-Organic Chemistry II Lecture*	4	
Gen Ed: AIID 201 Studies in Art and Humanities or HNRS 201**	4		CHEM 213L-Organic Chemistry II Lab	1	
Career Pathways: PATH TS2 - Career Pathways Module 2	<b>Degree Rqmt.</b>		Career Pathways: PATH TS3 - Career Pathways Module 3	<b>Degree Rqmt.</b>	
<b>Total:</b>	18.5		<b>Total:</b>	18.5	

	<b>Summer</b>	<b>HRS</b>
Summer Session 1	BIOL 214 & 214L- Anatomy and Physiology I Lecture and Lab	5.5
Summer Session 2	BIOL 216 & 216L-Anatomy and Physiology II Lecture and Lab	5.5
	<b>Total:</b>	11

<b>Third Year</b>					
<b>Fall Semester</b>	<b>HRS</b>	<b>✓</b>	<b>Spring Semester</b>	<b>HRS</b>	<b>✓</b>
PHYS 111-Fundamentals of Physics I	4		PHYS 113-Fundamentals of Physics II Lecture*	4	
PHYS 118L-Introductory Physics I Lab	1		PHYS 119L-Introductory Physics II Lab	1	
BIOL 221-General Ecology *	4		CHEM 425-Biochemistry *	4	
BIOL 407-Cell and Molecular Biology Lecture * (WI)	4		BIOL 356-Evolution * (WI)	4	
BIOL 407L-Cell and Molecular Biology Lab	1.5		(General Ed: Distribution Category) Culture and Creativity; OR Systems, Sustainability, and Society OR; Values and Ethics ( <b>Must be outside of TAS</b> )**	4	
General Education: Global Awareness (GA)**	4				
<b>Total:</b>	18.5		<b>Total:</b>	17	

### **Fourth Year – Touro College of Pharmacy**

**Total Credits Required:** 128 credits

**GPA:** 2.75 Science; 3.0 cumulative

\* This course has a pre-requisite. Please refer to the course catalog for information about pre-requisites.

\*\* The General Education courses can be taken in any sequence, not necessarily what is suggested here.

\$ This course is lecture only.

^ This course requires a CLM test for placement purposes.

**WI: Writing Intensive-3 required in the major**