

# HEALTH SCIENCES: PRE-PHARMACY (BS)

## Contacts

**Program Director:** Louis N. Hunter, PT, DPT

**Email:** Louis.Hunter@jefferson.edu  
215-503-6017

**Campus:** East Falls, Center City

Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/health-professions/departments-programs/health-sciences/pre-pharmacy.html>)

## Program Description

### Two-Year Pathway

Begin your education by completing two years of pre-professional study on the East Falls campus, in preparation for your application to the 4-year, graduate Pharmacy program. While no undergraduate degree is awarded in this pathway, you will have the opportunity to take undergraduate courses with other pre-medical, health sciences and future pharmacy students.

### Three-Year Pathway

Students interested in earning their undergraduate degree enter the 3+4 Pre-Pharmacy pathway where they earn both a BS and PharmD in seven years (refer to curriculum below). The extra undergraduate year offers more opportunities to experience college life – like study away and participation in athletics, campus, and leadership experiences. The BS degree in Health Sciences is awarded upon completion of first-year pharmacy graduate coursework.

All Pharmacy applicants must apply to the graduate program through an online centralized application service, PharmCAS, and be invited to interview. East Falls students who meet the progression criteria through the Health Sciences Pre-Pharmacy programs are guaranteed an interview for the competitive professional program at Jefferson College of Pharmacy.

## Prerequisite Curriculum/ Foundation: 72 credits

- Two-Year Pathway

Course	Title	Credits
<b>First Year</b>		
FYS 100	Pathways Seminar	1
WRIT 101	Writing Sem I: Written Comm.	3
CHEM 103 & 103L	Chemistry I and Chemistry I Lab	4
AVIS 101	American Visions	3
BIOL 103 & 103L	Biology I and Biology I Lab	4
MATH 103	Applied Calculus	3
PSYC 101	Intro to Psychology	3
GDIV 2XX	Global Diversity	3
ADIV 2XX	American Diversity	3
CHEM 104 & 104L	Chemistry II and Chemistry II Lab	4

Course	Title	Credits
BIOL 104 & 104L	Biology II and Biology II Lab	4
<b>Credits</b>		<b>35</b>
<b>Second Year</b>		
GCIT 2XX	Global Citizenship	3
ETHC 2XX	Ethics	3
Designated Elective		6-8
BIOL 201 & 201L	Human Anatomy and Physiology I and Human Anat & Physiology I Lab	4
CHEM 201 & 201L	Organic Chemistry I and Organic Chemistry I Lab	4
PHYC 111	Algebra-based PHYC I-Mach&Thermo	4
BIOL 221 & 221L	Microbiology and Microbiology Lab	4
BIOL 202 & 202L	Human Anatomy & Physiology II and Human Anat & Physiology II Lab	4
CHEM 202 & 202L	Organic Chemistry II and Organic Chemistry II Lab	4
<b>Credits</b>		<b>36-38</b>
<b>Total Credits</b>		<b>71-73</b>

- All grades must be C or higher; courses must be completed within 5 years of Pharmacy application
- AP credit accepted for non-science courses only
- Students must apply to the graduate program through PharmCAS and meet progression criteria to be eligible to interview for the graduate-level Pharmacy program in Center City

## Designated Electives

Code	Title	Credits
HSCI 225	Applied Statistics	3
COMM 102		3
ECON 2XX	Economics Elective	3
ETHC 2XX	Ethics Course Placeholder	3
BIOL 207	Principles of Genetics	3
BIOL 256	Molecular Genetics	3
BIOL 302	Medical Genetics	3
BIOL 321	Immunology	3
PHYC 112	Algebra-Based PHYS II-Electrici	4

## Pharmacy Curriculum

- Refer to the Jefferson College of Pharmacy (JCP) for graduate pharmacy curriculum.

## Three-Year Pathway

- Foundation and Prerequisite Coursework (99 credits over Years 1-3) + 24 Pharmacy graduate credits to complete the BS in Health Sciences degree requirement

Course	Title	Credits
<b>First Year</b>		
FYS 100	Pathways Seminar	1
WRIT 101	Writing Sem I: Written Comm.	3
CHEM 103 & 103L	Chemistry I and Chemistry I Lab	4
AVIS 101	American Visions	3
BIOL 103 & 103L	Biology I and Biology I Lab	4
MATH 103	Applied Calculus	3

Course	Title	Credits
PSYC 101	Intro to Psychology	3
GDIV 2XX	Global Diversity	3
ADIV 2XX	American Diversity	3
CHEM 104 & 104L	Chemistry II and Chemistry II Lab	4
BIOL 104 & 104L	Biology II and Biology II Lab	4
<b>Credits</b>		<b>35</b>
<b>Second Year</b>		
GCIT 2XX	Global Citizenship	3
ETHC 2XX	Ethics	3
WRIT 2XX	Writing II	3
BIOL 201 & 201L	Human Anatomy and Physiology I and Human Anat & Physiology I Lab	4
PHYC 111	Algebra-base PHYC I-Mach&Thermo	4
PSYC 101	Intro to Psychology	3
HSCI 230	Intro to Healthcare	2
BIOL 221 & 221L	Microbiology and Microbiology Lab	4
BIOL 202 & 202L	Human Anatomy & Physiology II and Human Anat & Physiology II Lab	4
Designated Elective		3-4
<b>Credits</b>		<b>33-34</b>
<b>Third Year</b>		
CHEM 201 & 201L	Organic Chemistry I and Organic Chemistry I Lab	4
CHEM 202 & 202L	Organic Chemistry II and Organic Chemistry II Lab	4
HSCI 225	Applied Statistics	3
HSCI 330	Medical Terminology	3
HSCI 3XX	Health Sciences Elective	3
PSYC 201	Abnormal Psychology	3
CGIS 300	Contemporary Global Issues	3
ISEM 3XX	Integrative Seminar	3
PHIL 499	Philosophies of the Good Life	3
General Elective		3
<b>Credits</b>		<b>32</b>
<b>Total Credits</b>		<b>100-101</b>

- Pharmacy prerequisites include 9 cr. social science and 9 cr. humanities courses
- All grades must be C or higher; courses must be completed within 5 years of Pharmacy application
- Students must apply to the graduate program through PharmCAS and meet progression criteria to be eligible to interview for the graduate-level Pharmacy program in Center City

## Designated Electives

Code	Title	Credits
COMM 102		3
ECON 2XX	Economics Elective	3
BIOL 207	Principles of Genetics	3
BIOL 256	Molecular Genetics	3
BIOL 302	Medical Genetics	3
BIOL 321	Immunology	3
PHYC 112	Algebra-Based PHYS II-Electrici	4