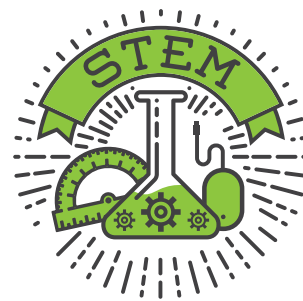


# STEM PATHWAY BRIEF

## PRE-PHARMACY



### OVERVIEW

The Pre-Pharmacy STEM Pathway provides a pre-pharmacy program for both TOPS University and TOPS Tech diploma-seeking high school students. The blended curriculum of natural sciences and industry practice instruction prepares students to compete in the 21st Century through exposure to the fundamentals of pharmacy in the classroom and career experience rooted in the development of those key skills, knowledge and behaviors conducive to success in the workplace.

College Ready	Career Ready
<ul style="list-style-type: none"><li>• Pharmacist</li><li>• Pharmacologist</li><li>• Toxicologist</li><li>• Product Development Scientist</li><li>• Medical Writing</li></ul>	<ul style="list-style-type: none"><li>• Pharmacy Technician</li><li>• Pharmacy Assistant</li><li>• Medical Coding</li></ul>

### CREDENTIALS INCLUDED

- **Xavier University of Louisiana College of Pharmacy Certificate of Pre-Pharmacy Studies**  
(Preferred admission to Xavier College of Pharmacy)

Students earn this certificate by completing the four required courses, earning college credit for at least two science courses included in the pathway, and completing an Xavier University of Louisiana-approved summer experience.

- **Pharmacist Technician Certification**, Louisiana Board of Pharmacy, Pharmacist Technician Certification Examination (PTCE) - Statewide Basic
- **Pharmacy Technician Certification** - National Health Career Association (NHA), Exam for the Certification of Pharmacy Technician (EXPT), Statewide Basic

### STEM DIPLOMA SEALS

#### GOLD SEAL

Students who successfully complete the four required courses and four courses from the Additional Course list will earn a Gold STEM Diploma Seal.

#### SILVER SEAL

Students who successfully complete the four required courses will earn a Silver STEM Diploma Seal.

# STEM PATHWAY

CORE COURSES:



Required Courses (Choose 4)			
Course Title	Course Code	Carnegie Credits	5-Point Scale
Survey of Pharmacy (Xavier Partnership)	090011	1	
Introduction to Pharmacy Assistant <b>OR</b>	090005	1	
Medical Terminology <b>OR</b>	090151		
Pharmacy Technician	090009		
CHOOSE TWO FROM:			
Medical Terminology II	090152	1	
Pharmacy Technician II	090012	1	
Biology II: AP Biology	150307	1	✓
Biology I/II: DE - CBIO 1033 General Biology I (Sci Majors)	150322/150324	1	✓
Biology II: DE - CBIO 1043 General Biology II (Sci Majors)	150326	1	✓
Chemistry II: AP Chemistry	150410	1	✓
Chemistry I/II: DE - CCEM 1123 General Chemistry I (Sci Majors)	150415/150420	1	✓
Chemistry II: DE - CCEM 1133 General Chemistry II (Sci Majors)	150422	1	✓
Additional Courses (Choose 4)			
Course Title	Course Code(s)	Carnegie Credits	5-Point Scale
Medical Terminology I <b>OR</b>	090151	1	
Introduction to Pharmacy Assistant	090005	1	
Pharmacy Technician II	090012	1	
Professional Medical Coding	090570	1	
Medical Registration Procedures	090020	1	
Medical Registration Procedure Lab	090021	1	
Medical Terminology II	090152	1	
Biology II: AP Biology <b>OR</b>	150307	1	✓
Biology I/II: DE - CBIO 1033 General Biology I (Sci Majors)	150322/150324	1	✓
Biology II: DE - CBIO 1043 General Biology II (Sci Majors)	150326	1	✓
Chemistry II: AP Chemistry <b>OR</b>	150410	1	✓
Chemistry I/II: DE - CCEM 1123 General Chemistry I (Sci Majors)	150415/150420	1	✓
Chemistry II: DE - CCEM 1133 General Chemistry II (Sci Majors)	150422	1	✓
Microbiology: DE BIOL 2103 - General Microbiology	149995	1	✓
Organic Chemistry: DE CCEM 2213 - Organic Chemistry I	150505	1	✓
Organic Chemistry: DE CCEM 2211 - Organic Chemistry I Lab	150506	1	
Organic Chemistry: DE CCEM 2203 - Organic Chemistry, Survey	150507	1	
Organic Chemistry: DE CCEM 2223 DE - Organic Chemistry II	150508	1	
Organic Chemistry: DE CCEM 2221 - Organic Chemistry II Lab	150509	1	
Psychology: DE CPSY 2013 - Introduction to Psychology	225011	1	
CDF-Qualifying CTE Internship I	080202	1	
Required Career Readiness Courses (1)			
Course Title	Course Code(s)	Carnegie Credits	5-Point Scale
Intro to STEM Pathways and Careers: LSU Partnership	061139	1	
Quest for Success	080411	1	
Agriscience I	010301	1	
Jobs for America's Graduates I	042010	1	
General Technology Education (Introduction to Skilled Crafts)	110010	1	
Introduction to Health Occupations	090029 <b>OR</b> 090930	1	

For full Pathway information, visit the [JumpStart graduation pathway page](#).

## UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#) • [JUMP START FUNDING](#) • [UNIVERSAL COURSE CODES](#)