

# Pharmacy, 3+N Program

The seven-year Bachelor of Arts in any College of Science and Technology major and Doctor of Pharmacy is a combined program between the College of Science and Technology and the School of Pharmacy. The program is designed for high-achieving students. Students must apply through the Office of Pre-Professional Health Studies (<http://www.temple.edu/healthadvising/programs.html>).

Students must meet the admissions requirements (<http://pharmacy.temple.edu/admissions>) for early admission to the Temple University School of Pharmacy. The 3+4 option is only with Temple University School of Pharmacy. If interested in applying to other schools, students will need to follow a 4+4 option in order to obtain both a Bachelor of Arts degree and a Doctor of Pharmacy (Pharm.D.) degree.

## Undergraduate Contact Information:

College of Science and Technology  
Center for Academic Advising and Professional Development  
First Floor of the Paley Library, Suite 150  
215-204-2890  
[cstadv@temple.edu](mailto:cstadv@temple.edu)

Office of Pre-Professional Health Studies  
Mitten Hall, Suite 110  
215-204-2513  
[healthadvising@temple.edu](mailto:healthadvising@temple.edu)

## Guidelines for Completion of the Bachelor of Arts Degree in the College of Science & Technology

- Bachelor of Arts candidates in the College of Science and Technology (CST) must complete all requirements for the major before entering the School of Pharmacy with the exception of the following:

1. Biology majors may count up to three of the following first year Temple University School of Pharmacy's Pharmaceutical Sciences courses as Biology electives:

PS P155 Principles of Infectious Diseases so long as the student has not previously earned credit for BIOL 3317;  
PS P151 Medicinal Chemistry I or PS P164 Pharmacology so long as the student has not previously earned credit for BIOL 4375;  
PS P152 Medicinal Chemistry II so long as the student has not previously earned credit for BIOL 4376.

2. Chemistry majors may count the following first year Temple University School of Pharmacy course as a Chemistry elective:

PS P151 Medicinal Chemistry I so long as the student has not previously earned credit for BIOL 4375/CHEM 4401.

- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Pharmacy as equivalents of upper-level credits in the College of Science and Technology or College of Liberal Arts.
- College of Science and Technology students may count up to 33 equivalent credit hours from the first year at the School of Pharmacy to fulfill their general credit hour requirements for the Bachelor of Arts degree in the College of Science and Technology.
- Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Center for Academic Advising and Professional Development (First Floor of the Paley Library, Suite 150) or Pre-Professional Health Studies (Mitten Hall, Suite 110) and will be shared with prospective and current students.

## Suggested Academic Plan for CST + Pharmacy School 3+4 Program

Below is a suggested academic plan. Individual plans will vary based on previous course work, AP credits, performance on University placement tests, and specific undergraduate major. Students who qualify for the 3+4 program will develop an individual academic plan with Pre-Professional Health Studies during their first semester at the University.

Year 1		Credit Hours
Fall		
MATH 1041 or 1941	Calculus I	4
Select one of the following:		4
CHEM 1031 & CHEM 1033	General Chemistry I	
CHEM 1951 & CHEM 1953	Honors General Chemical Science I	

Major / General Education / Elective Credits		7
	Term Credit Hours	15
<b>Spring</b>		
MATH 1042 or 1942	Calculus II	4
BIOL 1111 or 1911	Introduction to Organismal Biology	4
Select one of the following:		4
CHEM 1032 & CHEM 1034	General Chemistry II	
CHEM 1952 & CHEM 1954	Honors General Chemical Science II	
Major / General Education / Elective Credits		3
Apply to 3+4 Program		
	Term Credit Hours	15
<b>Year 2</b>		
<b>Fall</b>		
BIOL 2112 or 2912	Introduction to Cellular and Molecular Biology	4
Select one of the following:		4
CHEM 2201 & CHEM 2203	Organic Chemistry I	
CHEM 2211 & CHEM 2213	Organic Chemistry for Majors I	
CHEM 2921 & CHEM 2923	Organic Chemistry for Honors I	
Major / General Education / Elective Credits		7
	Term Credit Hours	15
<b>Spring</b>		
Select one of the following:		4
CHEM 2202 & CHEM 2204	Organic Chemistry II	
CHEM 2212 & CHEM 2214	Organic Chemistry for Majors II	
CHEM 2922 & CHEM 2924	Organic Chemistry for Honors II	
Major / General Education / Elective Credits		11
	Term Credit Hours	15
<b>Year 3</b>		
<b>Fall</b>		
PHYS 2021 or 2921	General Physics I	4
Select one of the following <sup>1</sup>		3-4
BIOL 2233	Mammalian Anatomy	
KINS 1221	Principles of Anatomy and Physiology I	
KINS 1223	Human Anatomy and Physiology I	
Major / General Education / Elective Credits		8-7
	Term Credit Hours	15
<b>Spring</b>		
PHYS 2022 or 2922	General Physics II	4
Select one of the following <sup>1</sup>		3-4
BIOL 3334	Mammalian Physiology	
KINS 1222	Principles of Anatomy and Physiology II	
KINS 1224	Human Anatomy and Physiology II	

Major / General Education / Elective Credits	8-7
Term Credit Hours	15
Total Credit Hours:	90

Code	Title	Credit Hours
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### First Year - Pharmacy School

Approximately 33 credits of course work completed during the first year of Pharmacy School will be applied to the CST major's total number of earned hours needed for the completion of the degree requirements for graduation. For some majors, course work will count as elective hours in the major; for all others, course work counts as elective hours toward the completion of the minimum of 123 credits for the undergraduate degree. In planning an undergraduate schedule it is essential to consult with an academic advisor.

- <sup>1</sup> Students may take one of the following course sequences for the Anatomy & Physiology requirement:
- KINS 1221 & KINS 1222
  - KINS 1223 & KINS 1224
  - BIOL 2233 & BIOL 3334
- Students may NOT mix and match these courses.

### Notes:

- Students in the Accelerated Program must have been pre-approved through Pre-Professional Health Studies (PPHS) and have signed an "Intent to Pursue" form by their second semester. This form must be on file with PPHS.
- Because students in an accelerated program must meet both the course requirements for entry to professional school and the course requirements for their major, it is necessary for these students to consult with an advisor in their major as well as PPHS as early in their academic career as possible. Failure to do so may make completing the required courses in the first 90 hours impossible.
- The academic plan presented here is a generic plan; the actual plan will depend on choice of major and number of AP credits applied from high school transcript.
- With some exceptions, CST students must complete the requirements for their major within their first 90 hours; course work in the first year of professional school counts as elective hours toward degree completion.
- Biology Majors - Some of the course work during the first year of Pharmacy School can be counted for Biology electives as well as general electives for degree completion. Certain electives are excluded. Be sure to consult with an academic advisor.
- Non Life-Science Majors - In order to complete the required courses in 3 years, majors that do not overlap with pre-medical course requirements must have AP credit, take an overload, or enroll in summer session classes.