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 Advising.

Students must meet the admissions requirements 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
Tuttleman Learning Center, Suite 111
1809 N. 13th Street, Philadelphia PA 19122-6073
215-204-2890
cstadv@temple.edu

Office of Pre-Professional Health Advising
Mitten Hall, Suite 110
215-204-2513
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 General Microbiology;
     - PS P151 Medicinal Chemistry I or PS P164 Pharmacology so long as the student has not previously earned credit for BIOL 4375 General Biochemistry I;
     - PS P152 Medicinal Chemistry II so long as the student has not previously earned credit for BIOL 4376 General Biochemistry II.

  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 General Biochemistry I/CHEM 4401 Biochemistry I/CHEM 3401 Applications of Biochemistry

- 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 (Tuttleman Learning Center, Suite 111) or Pre-Professional Health Advising (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 Advising during their first semester at the University.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 1041 or 1941 Calculus I</td>
<td>4</td>
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<tr>
<td>Select one of the following:</td>
<td>4</td>
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CHEM 1031  General Chemistry I
& CHEM 1033
CHEM 1951  Honors General Chemical Science I
& CHEM 1953

Major / General Education / Elective Credits  7

Spring Term Credit Hours  15

Select one of the following:  4
  MATH 1042 or 1942  Calculus II
  MATH 1044  Introduction to Probability and Statistics for the Life Sciences
BIOL 1111 or 1911  Introduction to Organismal Biology

Select one of the following:  4
  CHEM 1032  General Chemistry II
& CHEM 1034
  CHEM 1952  Honors General Chemical Science II
& CHEM 1954

Major / General Education / Elective Credits  3

Apply to 3+4 Program

Year 2 Term Credit Hours  15

Fall

BIOL 2112 or 2912  Introduction to Cellular and Molecular Biology  4

Select one of the following:  4
  CHEM 2201  Organic Chemistry I
& CHEM 2203
  CHEM 2211  Organic Chemistry for Majors I
& CHEM 2213
  CHEM 2921  Organic Chemistry for Honors I
& CHEM 2923

Major / General Education / Elective Credits  7

Spring Term Credit Hours  15

Select one of the following:  4
  CHEM 2202  Organic Chemistry II
& CHEM 2204
  CHEM 2212  Organic Chemistry for Majors II
& CHEM 2214
  CHEM 2922  Organic Chemistry for Honors II
& CHEM 2924

Major / General Education / Elective Credits  11

Year 3 Term Credit Hours  15

Fall

PHYS 2021 or 2921  General Physics I  4
Select one of the following  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

Spring Term Credit Hours  15

PHYS 2022 or 2922  General Physics II  4
Select one of the following  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  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>8-7</td>
<td>Term Credit Hours</td>
<td>15</td>
</tr>
<tr>
<td>90</td>
<td>Total Credit Hours</td>
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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.

1. 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:

1. Students in the Accelerated Program must have been pre-approved through Pre-Professional Health Advising (PPHA) and have signed an "Intent to Pursue" form by their second semester. This form must be on file with PPHA.

2. 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 PPHA as early in their academic career as possible. Failure to do so may make completing the required courses in the first 90 hours impossible.

3. 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.

4. 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.

5. 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.

6. 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.