Pharmacy, 3+N Program

Students must meet the admissions requirements (http://www.temple.edu/pharmacy/admissions) for early admission to the Temple University School of Pharmacy. If you are applying to other pharmacy schools, please use the web to find admissions requirements.

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 P158 Ant. Infective Agents;
     - 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.

Appropriate course sequences for majors offered by the College of Science and Technology will be available in the Office of Student Services (1810 Liacouras Walk, Suite 203) or Pre-Professional Health Studies (1810 Liacouras Walk, Suite 100) 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.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>MATH 1041 or 1941</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
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<tr>
<td>CHEM 1031 &amp; CHEM 1033</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 1951 &amp; CHEM 1953</td>
<td>Honors General Chemical Science I</td>
</tr>
<tr>
<td>Major / General Education / Elective Credits</td>
<td>7</td>
</tr>
<tr>
<td><strong>Term Credit Hours</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>MATH 1042 or 1942</td>
<td>Calculus II</td>
</tr>
<tr>
<td>BIOL 1111 or 1911</td>
<td>Introduction to Biology I</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
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<tr>
<td>CHEM 1032 &amp; CHEM 1034</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM 1952 &amp; CHEM 1954</td>
<td>Honors General Chemical Science II</td>
</tr>
<tr>
<td>Major / General Education / Elective Credits</td>
<td>3</td>
</tr>
<tr>
<td><strong>Apply to 3+4 Program</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>
### Year 2

#### Fall
- **BIOL 2112 or 2912**  
  Introduction to Biology II  
  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**

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<thead>
<tr>
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<tbody>
<tr>
<td><strong>Term Credit Hours</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

#### Spring
- 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**

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<thead>
<tr>
<th>Major / General Education / Elective Credits</th>
<th>11</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Term Credit Hours</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

### Year 3

#### 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

<table>
<thead>
<tr>
<th>Major / General Education / Elective Credits</th>
<th>8-7</th>
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</thead>
<tbody>
<tr>
<td><strong>Term Credit Hours</strong></td>
<td>15</td>
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</table>

#### Spring
- **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

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<td><strong>Term Credit Hours</strong></td>
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<tr>
<th><strong>Total Credit Hours:</strong></th>
<th><strong>90</strong></th>
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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.

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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 Studies (PPHS) and have signed an "Intent to Pursue" form by their second semester. This form must be on file with PPHS.

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 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.

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.