Medical, 3+N Program

The seven-year Bachelor of Arts in any College of Science and Technology major and Doctor of Medicine is a combined program between the College of Science and Technology and the Lewis Katz School of Medicine.

The program is designed for high-achieving students. Students must apply to be a Temple University Health Scholar through the Office of Pre-Professional Health Studies.

Students who entered Temple University as Health Scholars are able to be considered for early admissions to the Lewis Katz School of Medicine at Temple University as BA/MD Accelerated Option candidates. The 3+4 option is only with Lewis Katz School of Medicine. If interested in applying to other schools, students will need to follow a 4+4 option.

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 Studies
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

• Health Scholar Bachelor of Arts candidates in the College of Science and Technology (CST) must complete all requirements for the major before entering the Lewis Katz School of Medicine with the exception of the following:

Biology majors may count up to three of the following first year Lewis Katz School of Medicine courses as Biology electives:

MS1-Block1 (Fundamentals of Anatomy) as long as the student has not already received credit for BIOL 2233;
MS1-Block2 (Fundamentals of Medicine 1); MS1-Blocks3&4 (Biological Systems I: Cardiovascular, Blood, Respiratory and Renal Systems & Biological Systems II: Gastrointestinal, Endocrine, Bone and Reproductive Systems);
MS1-Block5 (Biological Systems III: Nervous and Musculoskeletal Systems) as long as the student has not already received credit for BIOL 3334 or BIOL 3352;
MS1-Block6 (Biological Systems IV: Inflammation, Immune System and Skin).

• College of Science and Technology Health Scholars may count up to 33 of the credit hours from the first year at the Lewis Katz School of Medicine as equivalents of upper-level credits in the College of Science and Technology or the College of Liberal Arts.

• College of Science and Technology Health Scholars may count up to 33 of the credit hours from the first year at the Lewis Katz School of Medicine 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 Services (Tuttleman Learning Center, Suite 111) and will be shared with prospective students and current Health Scholars. Advising on progress toward career goal and eventual presentation as a Health Scholar (3+4 or 4+4) will occur through Pre-Professional Health Studies (Mitten Hall, Suite 110).

Suggested Academic Plan for CST + Medical 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. Health Scholars 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>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 1031 &amp; CHEM 1033</td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>CHEM 1951</td>
<td>Honors General Chemical Science I</td>
</tr>
<tr>
<td>CHEM 1953</td>
<td>Honors General Chemical Science I</td>
</tr>
</tbody>
</table>

**Year 1**

- **Spring**
  - 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
    - CHEM 1034: General Chemistry II
    - CHEM 1952
    - CHEM 1954: Honors General Chemical Science II

| 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 | 3         |
| Term Credit Hours | 15         |

- **Year 2**

- **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 | 9         |
| Term Credit Hours | 17         |

- **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
    - PHYS 2021 or 2921: General Physics I 4

| Major / General Education / Elective Credits | 9         |
| Term Credit Hours | 17         |

- **Year 3**

- **Fall**
  - PHYS 2022 or 2922: General Physics II 4
  - Major / General Education / Elective Credits 11

| Must take MCAT by January¹ |         |
| Term Credit Hours | 15         |

- **Spring**
  - Major / General Education / Elective Credits 15

| Term Credit Hours | 15         |

**Total Credit Hours:** 94
Medical, 3+N Program

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>First Year - Medical School</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 33 credit hours of course work 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.</td>
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</tbody>
</table>

1. Students should plan to complete a Biochemistry prerequisite course prior to entering Lewis Katz School of Medicine at Temple University. They may choose from either CHEM 3401 Applications of Biochemistry or CHEM 4401 Biochemistry I or BIOL 4375 General Biochemistry I. It is recommended that students complete Biochemistry prior to taking the MCAT. In addition, students should also complete an Introduction to Psychology (PSY 1001) AND Introduction to Sociology (SOC 1176) course prior to taking the MCAT.

Notes:

1. Students in the Accelerated Program must have entered Temple University as Health Scholars through Pre-Professional Health Studies (PPHS) and have signed an “Intent to Pursue” form during their first 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 Advanced Placement (AP) credits applied from the 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 Medical 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.