

Pre-Pharmacy Requirements

Introduction: This information is based on the general requirements of most (>50%) pharmacy schools across the nation. It will be up to each student to research schools of interest and to finalize any remaining requirements.

- **Many pharmacy schools do not require students to complete a bachelor's degree.** If you are applying to any of these schools, you may adjust your classes to fit into 2 or 3 years.

- Each student should develop a plan based on: necessary pharmacy school requirements and, should they choose to earn a BS/BA, the requirements for their undergrad degree.

- A draft of your academic plan needs to be reviewed with your advisor from your major.

Required by MOST Pharmacy Schools

Chemistry: 2 Semesters
CHEM 1031 + CHEM 1033
CHEM 1032 + CHEM 1034

Organic Chemistry: 2 Semesters
CHEM 2201 + CHEM 2203
CHEM 2202 + CHEM 2204

English Composition: 1-2 Semesters
ENG 0802

Anatomy & Physiology: 2 Semesters
Check schools of interest on whether a lab is required.
KINS 1223 (or 1221 or BIO 2233)
KINS 1224 (or 1222 or BIO 3334)

Public Speaking: 1 Semester
CSI 1111

Biology: 3 Semesters
BIOL 1111
BIOL 1112 or 2112
BIOL 2001 or BIOL 3317

Math: 2 Semesters
MATH 1041
MATH 1013, MATH 1044, PSY 1003, SOC 1167, or BIOL 3312

Economics: 1 Semester
Check schools of interest to determine if micro or macro is preferred.
ECON 1101
ECON 1102

Physics: 1 Semester
Physics requirement dictated by major.
PHYS 2021 (or 1061 or 1021)

To look up courses please navigate the [bulletin](#).

Required by SOME Pharmacy Schools

Physics: Additional 1 Semester
PHYS 2022 (or 1062 or 1022)

Psychology: 1 Semester
PSY 1001

Additional Electives: *Refer to schools of interest for exact requirements. Areas may include:*

Humanities: History, Literature/Classics, Philosophy, Religion, Languages, Architecture, Fine Arts

Social Sciences: Anthropology, Criminal Justice, Geography, History, Political Science, Religion

Sample 4+4 Timeline (2+4 and 3+4 timelines will differ)

	Fall Semester	Spring Semester	Summer
Year 1	Chemistry I Calculus I	Chemistry II Biology I Statistics	<i>Exposure to Healthcare Community Service If 2+4 submit PharmCAS July – Jan.</i>
Year 2	Organic Chemistry I Biology II	Organic Chemistry II Economics	<i>Continue Volunteering If 3+4 submit PharmCAS July – Jan.</i>
Year 3	Physics I Anatomy & Physiology I Microbiology	Anatomy & Physiology II Public Speaking	<i>If 4+4 submit PharmCAS by July – Jan</i>
Year 4	Any Additional Requirements <i>Pharmacy school Interviews</i>	Any Additional Requirements <i>Pharmacy school Interviews</i>	<i>Take a break before Pharmacy School!</i>

This timeline is an example of how you may wish to take courses in a perfect world. **The timing of these courses may change due to placement exams or major requirements. Many pharmacy schools do not require students to complete a bachelor's degree.** We still, however, highly recommend students consider earning their bachelor's degree as this can make you more competitive and secure other options should you no longer be interested in pharmacy. Develop an academic plan based on the sequence above that is tailored to your needs so that you and your advisor can discuss your plan.

Visit [Temple's bulletin](#) to view the availability and prerequisites of each course.

If you are interested in Temple University's School of Pharmacy, their pre-requisites are located [here](#).

ePortfolio

ePortfolio is a tool that will help students stay organized for a professional school application. Through the ePortfolio process, students will set up a 'mock application' that includes GPAs and professional development experiences. **ePortfolio drafts are due to PPHA June 30th two years before students plan to enter professional school.** 2+4 students should submit their ePortfolio draft immediately following their freshman year.

The circle to the right represents four areas that are important for admission to professional school. As you embark on your journey to pharmacy school, think about ways to enhance each of these four sections.



Applying to Pharmacy Schools

Application Process: A centralized application service is available through the Pharmacy College Application Service ([PharmCAS](#)) which is administered by the American Association of Colleges of Pharmacy ([AACP](#)). Applications are submitted one year before students expect to enter pharmacy school and are available for submission in early July. Schools view applicants on a rolling basis – apply early when the application opens!

Undergraduate Major: There is no preferred major for pharmacy school and many schools may not even require that students earn an undergraduate degree. Students will be required to select a major at the very least as a backup option. We, however, strongly encourage students to consider earning their bachelor's degree. Students should select a major that they find interesting and consider a strength.

GPA: Pharmacy schools will consider both a student's overall and math/science GPA. Math/science GPA is calculated using scores from any course taken in the departments of Biology, Chemistry, Physics, and Math. **An overall and math/science GPA of 3.0 or above is preferred.**

Professional Development: Pharmacy schools will first review your numbers (overall GPA, Math/Science GPA, scores). If these are in a competitive range, they will then assess your extracurricular and volunteer experiences. Pharmacy schools do not require that students shadow in a particular area but instead have general exposure to healthcare and community service.

Letters of Recommendation: Letters for pharmacy school will be sent directly through the PharmCAS application at the time a student applies. Schools generally like to see 2-3 letters of recommendation with at least 1-2 from science faculty. Look into schools of interest for more specifics on what might be preferred.

Additional Resources:

American Association of Colleges of Pharmacy (AACP): www.aacp.org
Pharmacy is Right for Me - <https://pharmacyforme.org/>
Temple University School of Pharmacy - <https://pharmacy.temple.edu/>