

Pre-Pharmacy Recommended Courses

The following courses are **recommended** for students pursuing pharmacy school. Not all courses may be required for every pharmacy program for which you apply. It is the student's responsibility to verify prerequisite courses and application requirements with the school you are planning to attend. Contact each school directly for information, as information may change without notice. Please visit <http://www.washington.edu/uaa/advising/prehealth/>

Science sequences should be completed at the same college or the sequence may not count upon transfer.

Type of Course	Specific Courses	Credits
ENGLISH	ENGL&101 – Composition I ENGL&102 – Composition II	10 credits
MATH – Calculus and Statistics Calculus Prereq: MATH&142, 2.5 or higher Statistics Prereq: MATH 098, 2.5 or higher	MATH&151 – Calculus I (MATH&148 acceptable) MATH&152 – (Calculus II: needed for an A.S. Option #1 degree) MATH&146 – Elementary Statistics (BUS 210 acceptable)	10+ credits
CHEMISTRY – General Chemistry Prereq: CHEM&139 and MATH 098, 2.0 or higher	CHEM&161 – General Chemistry with Lab I CHEM&162 – General Chemistry with Lab II CHEM&163 – General Chemistry with Lab III	18 credits
CHEMISTRY – Organic Chemistry Prereq: 1 year of General Chemistry	CHEM&241 – Organic Chemistry I CHEM&242 and CHEM&251 – Organic Chemistry II and Lab CHEM&243 and CHEM&252 – Organic Chemistry III and Lab	20 credits
BIOCHEMISTRY Prereq: CHEM&243 2.0 or better AND one quarter college biology, either BIOL&160 or BIOL&211	CHEM 255 –Biochemistry I CHEM 256 – Biochemistry II	6 credits minimum
BIOLOGY – College Biology Prereq: 1 qtr. college chemistry, 2.0 or higher Microbiology Prereq: Two college level biology or chemistry lab courses with a 2.0 or higher	BIOL&211 – Majors Cellular Biology BIOL&212 – Majors Animal Biology BIOL&213 – Majors Plant Biology BIOL&260 – Microbiology BIOL&241, BIOL&242 - Human Anatomy & Physiology	30 credits
PHYSICS (Many programs require physics. Check with programs you are considering. UW and WSU do not require physics at this time.) PHYS& 114: Prereq: MATH 098, 2.0 or higher PHYS&221: Prereq: MATH&151 and PHYS&114 or high school physics.	PHYS&114 – General Physics I PHYS&115 – General Physics II PHYS&116 – General Physics III OR PHYS&221 – Engineering Physics I PHYS&222 – Engineering Physics II (Prereq: MATH&152) PHYS&223 – Engineering Physics III (Prereq: MATH&152)	15 credits
GENERAL EDUCATION – Visual, Literary and Performing Arts (Humanities) → and Individuals, Cultures and Societies (Social Sciences) →	See advisor for course recommendations. UW requires Public Speaking (CMST&220) or Interpersonal Communications (CMST&210) and 1 additional VLPA UW requires ECON&201 – Microeconomics + 1 additional Social Science WSU requires ECON&201, PSYC&100 and one from PHIL 102, 111, &120, or 215 Refer to UW and WSU equivalency guides for more information: https://zzusis-utilities.wsu.edu/psportal/pages/transfercoursesearch.html . http://admit.washington.edu/apply/transfer/tools/equivalency-guide/	20-30 credits Varies according to university and associate degree requirements

A summary for the University of Washington and Washington State University pharmacy programs follow. information is subject to change without notice; verify current information with your prospective university.

University of Washington

Mailing: UW School of Pharmacy Office, Box 357631, H-362 Health Sciences, Seattle, WA 98195-7631

Website: <http://sop.washington.edu>

Phone: (206) 543-6100

Email: pharminf@uw.edu

Information Sessions: Reserve your spot at <https://sop.washington.edu/pharmd/admissions/info-sessions/> or call 206-543-6100 or visit <http://sop.washington.edu/school-of-pharmacy/pharmd-admissions/pharmacy-information-sessions.html>

- Admission is based on cumulative and prerequisite grade point average, written communication skills as demonstrated in application essays, interview results and review of all application materials.
- **Applicants must complete college-level prerequisite courses by spring quarter prior to program entry.** Applicants who have completed science and mathematics pre-requisite coursework **within the last five years will be given preference.**
- Applicants who have completed all prerequisite coursework prior to application will be given preference in the process of screening for interview. On average, over 85% of applicants admitted have earned a prior bachelor's degree or higher.
- **Science and public speaking pre-requisites taken online will not be accepted.** If taken in hybrid format, please check with program.
- It is recommended not to split a series between 2 different colleges or to repeat a pre-requisite more than once.
- **Minimum Grade Point Averages (GPA):** Applicants with a cumulative GPA below 3.0 are not generally considered competitive. The prerequisite GPA is calculated using grades for the following courses (including labs): **Biology, General Chemistry, Organic Chemistry, Biochemistry, Microbiology, Calculus, Statistics, English composition, Public Speaking/Interpersonal Communication and Microeconomics.** The cumulative GPA and the pre-requisite GPA for applicants accepted into the program generally ranges from 3.0 – 4.0 with an average of 3.5.
- **Pharmacy Experience:** It is highly recommended applicants have some pharmacy experience, either as a volunteer or employee. Inquire at your local hospital or community Pharmacy. www.aacp.org has useful information.
- **Extracurricular Activities:** In addition to academic preparedness and knowledge of the profession, applicants who participate in extracurricular activities bring diverse viewpoints, humanitarian perspectives, leadership abilities and maturity to the program.
- Non-US citizens who hold "Permanent Resident" or "Refugee/Asylee" visa status are eligible to apply.
- Currently, F-1 Visa holders are eligible to apply. Review the information for International Credits carefully.
- **Application Timeline:**
 - **Take the Pharmacy College Admission Test (PCAT).** The September testing date is the last date to take the test if you are applying at the end of Autumn quarter. Make sure you sign up for the test well in advance!
 - The UW School of Pharmacy uses the **PharmCAS application** service, www.pharmcas.org. PharmCas begins accepting on-line applications in June 20** for Fall 20** admission.
 - Applicants must also submit a **UW Supplemental Application directly to the School of Pharmacy.** Apply early! The UW School of Pharmacy will not begin processing an application until they have received both the PharmCAS application and the UW School of Pharmacy Supplemental Application.

Washington State University

Mailing: Pharmacy Program, Washington State University, P.O. Box 646510, Pullman, WA 99164-6510

Website: <http://www.pharmacy.wsu.edu/>

Phone: (509) 335-1256

email: pharmacy.admissions@wsu.edu

Application Deadline: <https://pharmacy.wsu.edu/doctor-of-pharmacy/how-to-apply/>

The WSU Pharm.D. program **requires 3 years of pre-pharmacy studies followed by 4 years of professional education.**

- **Admission is very competitive** and is based on the whole application file: the goals statement, recommendations, courses taken, the length and depth of pharmacy experience, the interview, the writing sample and extracurricular activities.
- International students are not considered for admission.
- To be considered for admission to the Doctor of Pharmacy, all math and science prerequisites must be completed by the end of the spring term prior to program entry. **English Composition, Philosophy (Logic, Critical Thinking or Ethics), Microeconomics, and Introduction to Psychology** must be completed by the end of summer term prior to program entry. For a list of the pre-requisites see <https://pharmacy.wsu.edu/doctor-of-pharmacy/pre-pharmacy-requirements/> Note that **Biochemistry** is required and must be an upper division course, and may not be taken at a community college.
- **Grade Point Averages (GPA):** In order to be considered for admission, your overall GPA as reported by PharmCAS must be 2.7 or higher. Students with lower grades, who feel there are extenuating circumstances that should be considered, may write a cover letter of explanation; **Letters of Recommendation:** Two letters are required. One from an academic and one from a professional source.
- **PharmCAS:** WSU uses PharmCAS to initiate the application process. In addition, applicants will need to submit supplemental institutional forms.
- **Pharmacy College Admission Test (PCAT):** WSU does not require PCAT scores.
- **Pharmacy Experience:** WSU does not require a minimum number of hours of experience, but many applicants have worked in a health care environment and this is taken into consideration.