

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.

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 <i>WSU only requires one composition course</i>	10 credits
MATH – Calculus and Statistics Pre-Calculus I Prereq: MATH 98, 2.0 or higher Calculus Prereq: MATH&142, 2.0 or higher Business Calculus Prereq: MATH 116 or 141, 2.0 or higher Statistics Prereq: MATH 98, 2.0 or higher Business and Economics Statistics Prereq: MATH 98 or MATH 116 Statistical Methods Prereq: MATH 116 or 141 with a 2.0 or higher	MATH&151 – Calculus I (or MATH&148 Business Calculus acceptable) MATH&152 – (Calculus II: needed for an A.S. Option #1 degree) MATH&146 – Elementary Statistics (UW also accepts BUS 210 - Business and Economic Statistics or MATH 211-Elements of Statistical Methods) <i>WSU also accepts: MATH&141- Precalculus I and MATH&142- Precalculus II</i>	10+ credits
CHEMISTRY – General Chemistry Prereq: CHEM&139 and MATH 98, 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 and CHEM&251 – Organic Chemistry I and Lab CHEM&242 and CHEM&252 – Organic Chemistry II and Lab CHEM&243	20 credits
BIOCHEMISTRY Prereq: CHEM&242, 2.0 or higher	CHEM 255 –Biochemistry I CHEM 256 – Biochemistry II	6 credits minimum
BIOLOGY – College Biology Prereq: 1 qtr. College-level chemistry lab, 2.0+ or concurrent enrollment Microbiology Prereq: Two college-level biology lab and/or chemistry lab courses with a 2.0+ and eligibility for ENGL&101 Human Anatomy & Physiology Prereq: BIOL&160 or BIOL&211 with a 2.0 or higher	BIOL& 211, 212, 213 (for UW) – General Biology Series BIOL&260 – Microbiology BIOL&241, BIOL&242 - Human Anatomy & Physiology	20 credits
GENERAL EDUCATION –	See advisor for course recommendations.	12-30 credits
Visual, Literary and Performing Arts (Humanities) and Individuals, Cultures and Societies (Social Sciences)	→ UW requires Public Speaking (CMST&220) or Interpersonal Communications (CMST&210) and 1 additional VLPA WSU requires 12-15 credit of VLPA (At least one course must be ENGL& 101 or 102) → UW requires ECON&201 – Microeconomics + 1 additional Social Science Refer to UW and WSU equivalency guides for more information: Transfer Course Search Tool Transfer Center for Policy & Resources Washington State University (wsu.edu)	Varies according to university and associate degree requirements

A summary for the University of Washington and Washington State University pharmacy programs.
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: uwpharmd@uw.edu

Information Sessions: <https://sop.washington.edu/pharmd/admissions/info-sessions/> or call 206-543-6100

- 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.** Admissions committee strongly recommends completion of science and mathematics courses within the last five years.
- Applicants who have earned a BA, BS or higher degree may be given preference.
On average, over 90-95% of applicants admitted have earned a prior bachelor's degree or higher.
- 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 2.8 are not generally considered competitive.
- The prerequisite GPA is calculated using grades for the following courses (including labs): Anatomy & Physiology, Biology with labs, General Chemistry with labs, Organic Chemistry with labs, Biochemistry, Microbiology, Calculus, Statistics, English Composition, Microeconomics, and Public Speaking/Interpersonal Communication. All grades for repeated courses will be considered – grades for repeated courses will not be averaged.
- **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:**
 - The UW School of Pharmacy uses the **PharmCAS application** service, www.pharmcas.org. PharmCas begins accepting on-line applications On July 15th** for Fall 24** admission.
 - Apply early! Applicants are reviewed on a rolling basis. Rolling admission means that applications are reviewed in the order that they are received. Applicants are strongly encouraged to apply early in the application cycle and to sign up for the earliest possible interview date.

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) 368-6605

email: pharmacy.admissions@wsu.edu

Application Deadline: <https://pharmacy.wsu.edu/pharmd/admissions/>

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 required to complete a foreign transcript evaluation and send this to evaluation directly to PharmCAS and take the TOEFL or IELTS exam. Review the information on international students carefully.
- 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. **Organic Chemistry, Biochemistry, Microbiology, Human Anatomy and Physiology, Pre-Calculus or higher Math, and Statistics** must be completed by the end of Spring term prior to program entry. 12-15 VLPA credits, including ENGL& 101 or 102, may be completed by the end of summer term before beginning the PharmD program. For a list of the pre-requisites see <https://pharmacy.wsu.edu/doctor-of-pharmacy/pre-pharmacy-requirements/>.
- **Grade Point Averages (GPA):** In order to be considered for admission, your overall GPA and your science 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 letter of explanation.
- **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.