Pharmacologists also are concerned with the development of new drugs at the cellular level, the tissue level, the organ level, or the whole-animal level. A major challenge for the toxicologist is to determine how drugs and chemicals on living organisms. Of many other disciplines to help us understand the harmful effects of poisons, combines the elements of biology and chemistry with those of biomedical sciences.

The B.S. in Pharmacology and Toxicology (PharmTox) focuses on the pharmaceutical care. Pharmacist offers many career opportunities. Graduates traditionally have pursued careers in community, hospital, and long-term care pharmacy, the pharmaceutical industry, pharmacy education, and government agencies. Pharmacists serve also in other roles, including managed care, home care, and primary care, to increase the availability and quality of pharmaceutical care.

TOXICOLOGY

Researchers in these areas utilize both laboratory animals and in vitro systems to examine the cellular, biochemical, and molecular processes underlying toxic responses.

B.S. IN PHARMACEUTICAL SCIENCES

The B.S. in Pharmaceutical Sciences is not a major, but is an internal degree granted to current Doctor of Pharmacy (Pharm.D.) students after they complete at least one year of the Pharm.D. program. In order to qualify for the B.S. in Pharmaceutical Sciences, students must have attended UW–Madison as an undergraduate prior to entering the School of Pharmacy and must meet all degree requirements.

DEGREES/MAJORS/CERTIFICATES

• Pharmaceutical Sciences, B.S. (http://guide.wisc.edu/undergraduate/pharmacy/pharmacy/pharmaceutical-sciences-bs/)
• Pharmacology and Toxicology, B.S. (http://guide.wisc.edu/undergraduate/pharmacy/pharmacy/pharmacology-toxicology-bs/)

ENTERING THE SCHOOL

Admission to either the B.S. in Pharmacology and Toxicology or the Doctor of Pharmacy program is selective and competitive, and requires specific prerequisite coursework as well as a complete admissions application. Completion of required prerequisite coursework does not guarantee admission. Each applicant's admission credentials are considered not only on their own merit, but also in comparison with the credentials of other applicants.

For detailed information on prerequisites and the application for the B.S. in Pharmacology and Toxicology (PharmTox), see the major's "How to Get In" tab in the (http://guide.wisc.edu/undergraduate/pharmacy/pharmacy/pharmacology-toxicology-bs/#howtotgetintext)Guide.

Information about the required elements of the application and prerequisites for the Pharm.D. (Doctor of Pharmacy) program can be found on the School of Pharmacy website (https://pharmacy.wisc.edu/programs/pharmd/admissions/).

Most pre-pharmacy students are admitted to UW-Madison as College of Letters & Science students with an intention to pursue a School of Pharmacy program (PharmTox undergraduate degree and/or the professional Pharm.D. program). While our School of Pharmacy does not directly admit students from high school, we do offer comprehensive academic, admissions, and career advising to students who have expressed an interest either of these programs. Please refer to the Resources (https://guide.wisc.edu/undergraduate/pharmacy/#resourcetext) section to start exploring available resources and
opportunities available for pre-School of Pharmacy students at UW-Madison.

**POLICIES AND REGULATIONS**

**BACHELOR OF SCIENCE - PHARMACOLOGY AND TOXICOLOGY POLICIES**

For a list of Pharmacology and Toxicology (PharmTox) undergraduate policies, including academic standing and probation policies, please visit the PharmTox Policy Handbook (https://students.pharmacy.wisc.edu/pharm-tox-handbook/).

**RESOURCES**

**ACADEMIC ADVISING**

If you're a current UW–Madison undergraduate student, you have access to dedicated, structured pre-pharmacy advising at the School of Pharmacy. Please choose the School of Pharmacy as your advising group option when you make your SOAR reservation in April. We’re here to help you with:

- Career paths related to pharmacy, pharmacology, and toxicology
- Understanding prerequisites and developing a plan for completion
- Accessing courses and guidance on how to sequence classes
- Pharm.D. and PharmTox curriculum and degree options
- Admissions selection criteria
- Application process and components

Who is a pre-pharmacy student? A pre-pharmacy student is anyone who is taking the courses necessary to be considered for admission to the Doctor of Pharmacy (Pharm.D.) professional program and/or the B.S. in Pharmacology and Toxicology (PharmTox) at the UW–Madison School of Pharmacy. Completion of prerequisite coursework does not guarantee admission as admission is selective and competitive.

How do I get started with pre-pharmacy advising? Schedule your pre-pharmacy advising appointment using the Starfish app (https://wisc.starfishsolutions.com/starfish-ops/) in MyUW. Search for "Kendra Gurnee" to meet with the pre-PharmTox advisor or "Amy Zwaska" to meet with the pre-Pharm.D. advisor. Any UW–Madison student with any major or no major can access our dedicated pre-pharmacy advising services at the School of Pharmacy. Individual appointments are typically scheduled for 30 minutes.

If you experience any trouble with the scheduling process:

- You can get help with Starfish here (https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/).
- You can also contact the School of Pharmacy Student and Academic Affairs Office at 608-262-6234 to set up your advising appointment.

Due to the selective nature of the Pharm.D. and PharmTox admissions processes, interested students are encouraged to meet with School of Pharmacy advisors early and often to explore our programs and get valuable guidance about prerequisites, selection criteria, application timeline/procedures, and career opportunities. We recommend that you meet with your pre-pharmacy advisor at least once per semester.

For more information on preparing for and applying to our programs, visit our admissions resources for Pharm.D. (https://pharmacy.wisc.edu/academics/pharmd/admissions/) and PharmTox (https://pharmacy.wisc.edu/academics/pharm-tox/admissions/).

**FINANCIAL AID**

Students who seek financial assistance should contact the UW–Madison Office of Student Financial Aid (https://financialaid.wisc.edu/) for financial aid applications and information about scholarships, loans, grants, work-study programs, and student employment.

**SCHOOL OF PHARMACY SCHOLARSHIPS**

The School of Pharmacy awards a variety of scholarships each year to admitted PharmTox and Pharm.D. students. Awards are based on both academic merit and financial need. Students are invited to apply to School of Pharmacy-specific scholarships, as well as campus-wide or non-Pharmacy scholarships, through the Wisconsin Scholarship Hub (https://wisc.academicworks.com/).

**STUDENT ORGANIZATIONS**

Students will find many organizations of interest, both in the School and across the UW–Madison campus. The School of Pharmacy student organizations website (https://students.pharmacy.wisc.edu/student-life/student-organizations/) has a comprehensive listing of student organizations and groups that are affiliated with the School.

**FACILITIES**

The School of Pharmacy is located in Rennebohm Hall on the west side of campus, near University Hospital and Clinics and Health Sciences Learning Center. The School of Pharmacy provides students and faculty with the finest possible physical environment for professional pharmacy and for research in pharmaceutical fields of study.