



## Arizona State University (West Valley Campus)

### Biology (Pharmacology/Toxicology), BS

#### Study details

**Course type:** Bachelor's degree

**Degree:** Biology (Pharmacology/Toxicology), BS ASLSCPBS

**Study mode:** Full time

**Duration:** 48 Month

#### Cost of study

**Cost :** 35 430 USD

**Reg. fee :** 85 USD

**Scholarship :**

**Insurance :** 2 765 USD

#### Intake/s

Jan/May/Aug

#### Requirements

##### Academic requirements

First-year students must:

- Have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school. Some ASU programs may have higher admission or English proficiency requirements and may consider a minimum ACT or SAT score.
- Must have three years of high school coursework. (If you are currently in high school, ASU needs to see 9–11 grade coursework. If you have completed high school, ASU needs to see 10–12 grade coursework.)
- Must have and present a completed high school diploma or certificate.

##### Conditional admission

ASU may offer conditional undergraduate admission to international applicants to an on-campus program who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements to begin your ASU experience.

##### Competency requirements

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).

- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

## **Provide evidence of English language proficiency (TOEFL 61)**

### **Accommodation**

Provided by partner agencies

### **Speciality**

#### **STEM-OPT for international students on F-1 visas**

This program may be eligible for an Optional Practical Training extension for up to 24 months. This OPT work authorization period may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing a degree through ASU Online.

### **Additional information**

#### **Program description**

The pharmacology and toxicology concentration of the BS program in biology provides an emphasis in the biochemical, molecular and physiological components of chemical and body interactions.

The degree program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of the disciplines, students gain a better understanding of larger scientific concepts, and they can view these concepts from multiple perspectives. To have a thorough understanding of the interactions of chemicals in the biological system, students study both biology and chemistry and become familiar with chemical interactions at physiological, molecular and cellular levels.

Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside the school.

This major is eligible for the Western Undergraduate Exchange program at the following location: West Valley campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees.

#### **Concurrent program options**

Students pursuing concurrent degrees (also known as a “double major”) earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

## **Global opportunities**

### Global experience

Students gain valuable, resume-building experience by studying abroad. With more than 300 programs available, study abroad allows students to tailor their educational experience to their unique interests and skill sets. Students pursuing the pharmacology and toxicology concentration can expand their knowledge of how science impacts society in a variety of cultures and gain the global skills they need in order to lead in their career.

## **Career opportunities**

Graduates are prepared for occupations such as:

- laboratory researcher
- pharmacist
- physician
- physician assistant
- risk assessor
- veterinarian

They may work in governmental agencies or private companies in areas such as:

- clinical trials
- product safety evaluation
- regulatory affairs
- teaching

Graduates are also prepared for entry-level employment in the growing field of environmental toxicology as well as for graduate and professional programs in pharmacology and toxicology.