

Doctor of Pharmacy

Admission to the Doctor of Pharmacy Program

Admission Criteria

- The recommended high school background for students planning to pursue pharmacy includes four units of mathematics and three units of natural science (biology, chemistry and physics)
- The pre-pharmacy curriculum must be completed by the end of spring semester (with the exception of biochemistry) of the admission year
- Applicants are encouraged to obtain pharmacy experience prior to applying, by either shadowing or working in a paid position
- Apply on PharmCAS (<https://www.pharmcas.org/>) by the application deadline (<https://www.isu.edu/pharmacy/prospective-students/pharmd-program/admissions--application/>).

Application Process

Applications submitted on PharmCAS (<https://www.pharmcas.org/>) between August and February each year are reviewed as they are completed and verified. Applicants receive invitation to interview decisions within 30 days. Multiple interview dates are available during the fall and spring semesters. Applicants receive acceptance decisions within 30 days of interview.

Application Materials

All PharmD application materials must be received by PharmCAS by the application deadline:

- Completed PharmCAS application for Idaho State University College of Pharmacy, PharmCAS application fee begins at \$175
- Official transcripts of all previous college course work, including detailed evaluation of all international coursework
- Two letters of recommendation are required: it is preferred that one of the two be from a U.S. licensed pharmacist
- Personal statement

Students with international coursework to be considered must submit an official detailed evaluation report from an institution that is a member of the National Association of Credential Services Incorporated (NACSI) and meet Idaho State University's admission requirements for international students (<https://www.isu.edu/apply/international/>).

Pre-Pharmacy Courses

Code	Title	Credits
BIOL 1101 & 1101L	Biology I and Biology I Lab (Partially satisfies General Education Objective 5)	4
BIOL 2221 & 2221L or BIOL 2235 & 2235L	Introductory Microbiology and Introductory Microbiology Laboratory General Microbiology and General Microbiology Lab	4
BIOL 2227 & 2227L or BIOL 3301 & 3301L	Human Anatomy and Physiology 1 and Human Anatomy and Physiology 1 Lab (Partially satisfies General Education Objective 5) Advanced Human Anatomy and Physiology 1 and Advanced Human Anatomy and Physiology 1 Lab	4

BIOL 2228 & 2228L or BIOL 3302 & 3302L	Human Anatomy and Physiology 2 and Human Anatomy and Physiology 2 Lab Advanced Human Anatomy and Physiology 2 and Advanced Human Anatomy and Physiology 2 Lab	4
BIOL 4432	Biochemistry	3
CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab (Partially satisfies General Education Objective 5)	5
CHEM 1112 & 1112L	General Chemistry II and General Chemistry II Lab (Partially satisfies General Education Objective 5)	4
MATH 1153	Statistical Reasoning (Satisfies General Education Objective 3)	3
MATH 1160	Survey of Calculus (Satisfies General Education Objective 3)	3
CHEM 3301 & CHEM 3303	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM 3302 & CHEM 3304	Organic Chemistry II and Organic Chemistry Laboratory II	4
PHYS 1111	General Physics I (Partially satisfies General Education Objective 5)	3
ECON 2201 or ECON 2202	Principles of Macroeconomics Principles of Microeconomics	3

Each of the 2 courses above partially satisfies General Education Objective 6. An additional Objective 6 course in another subject must be taken to complete Objective 6 requirements.

Applicant must meet ISU General Education Requirements

Applicants must have completed 72 credits of undergraduate coursework.

Fulfillment of the specified requirements does not ensure admission into the Doctor of Pharmacy program.

Evaluation of Applicants

- Up to 95 students are admitted each year
- Faculty select the applicants best predicted to complete the curriculum and have productive professional careers
- Invitation for applicants to schedule an interview is based upon academic success and other required components of the application
- Preference is given to Idaho and Alaska residents
- Following an interview, applicants are notified of their placement into one of three categories:
 - Admission
 - Reserve for possible admission pending available positions
 - No admission

New students are admitted to begin the professional program only in the fall semester of each year. A criminal background check is required; the background check process is initiated when an offer of admission is accepted by the applicant.

Admission Under Special Circumstances

Transfer from Other Colleges of Pharmacy

Students wishing to be considered for transfer from another college of pharmacy must present the following materials to the College of Pharmacy admissions staff before being considered:

1. A letter from the Dean of the previous college of pharmacy certifying status of good academic standing
2. Official transcripts of all pharmacy courses completed to date and that show pre-pharmacy requirements of Idaho State University are complete
3. A letter requesting evaluation of class standing

Curricular Philosophy

We view the curriculum as a tool to develop professionals who assume responsibility for their own learning and who are committed to the advancement of pharmacy practice. The primary curricular goal is the development of a strong foundational knowledge in the biomedical, pharmaceutical, and clinical sciences that inculcates a drug-related problem-solving process specific to pharmacy and fosters an evidenced-based approach to optimizing pharmacotherapy and patient health outcomes. We embrace diversity in innovative teaching methods through sound instructional design and encourage the integration of active learning, and multiple curricular and co-curricular opportunities for leadership and professional development. Because it is a dynamic work in progress, we continue to experiment, assess, revise, and innovate within our curriculum to graduate highly competent practitioners.

Professional Curriculum

The professional curriculum requires four years of study. The first three years are a mix of didactic/laboratory courses and practice experiences. The fourth year is comprised of 42 weeks of clinical experiences.

The Doctor of Pharmacy degree can be completed in Pocatello or Meridian, Idaho or in Anchorage, Alaska. Students may complete their fourth year at our clinical sites in Idaho (Meridian, Pocatello, Twin Falls, Coeur d'Alene), at our experiential sites in the Anchorage, Alaska region, or in Reno, Nevada.

The first professional year provides a foundation in the basic and pharmaceutical sciences that includes physiology, biochemistry, pharmacology, and pharmaceuticals. Other courses provide a foundation for professional development that includes topics on ethics, law, drug information, research design, patient care, and the health care system.

Courses and clinical experiences in the second and third professional years build on accrued knowledge and skills. The curriculum centers on an integrated, organ-system approach to the therapeutic management of disease. Additional courses provide insight into the human relation aspects of pharmacy, dosage form design, pharmacy management, and physical assessment. A series of case studies courses, designed to enhance the student's knowledge base and problem-solving skills while focusing on the application of knowledge to specific patient cases, spans the first three years.

The last 42 weeks, or the fourth professional year, is devoted to full-time clinical experience in various pharmacy practice environments. Students will complete

seven, six-week experiences in various areas of practice. Students will also have the option of selecting an elective in an area of interest.

Given the length of the final year of the PharmD program, students will begin practice experiences in mid-May after completing their third academic year in the professional program and will continue throughout the ensuing twelve (12) months.

Program and course-level learning outcomes can be found in the PharmD Student Handbook (<https://www.isu.edu/pharmacy/current-students/pharmd-students/>).

Pharmacy Courses

Code	Title	Credits
PHAR 9910	First Year Recitation	0
PHAR 9911	Introductory Pharmacy Practice Experience I	1
PHAR 9920	Second Year Recitation	0
PHAR 9921	Biological Basis of Drug Actions	4
PHAR 9924	Physicochemical Basis of Drug Action	3
PHAR 9930	Third Year Recitation	0
PHAR 9931	Health Care I	3
PHAR 9941	Introduction to Pharmacy Practice with Lab	4
PHAR 9949 & 9949R	Human Physiology I and Human Physiology I Recitation	4
PHAR 9905	Pharmacy Problem-Based Learning Foundations	2
PHAR 9912	Introductory Pharmacy Practice Experience II	1
PHAR 9922	Introduction to Pharmacotherapy	5
PHAR 9923	Professional Development I	0
PHAR 9926 & 9926R	Basic Pharmacokinetics and Calculations and Basic Pharmacokinetics and Calculations Recitation	4
PHAR 9942	Fundamentals of Study Design and Literature Evaluation in Pharmacy	3
PHAR 9956 & 9956R	Human Physiology II and Human Physiology II Recitation	4
PHAR 9906	Pharmacy Problem-Based Learning I	2
PHAR 9927 & 9927L	Dosage Form Design and Compounding with Lab and Dosage Form Design and Compounding Lab	4
PHAR 9961	Pharmacotherapy I with Lab	2-5
PHAR 9962	Pharmacotherapy II with Lab	2-5
PHAR 9907	Pharmacy Problem-Based Learning II	2
PHAR 9913	Introductory Pharmacy Practice Experience III	1
PHAR 9933	Professional Development II	0
PHAR 9944	Health Care II with Lab	4
PHAR 9963	Pharmacotherapy III with Lab	2-5
PHAR 9964	Pharmacotherapy IV with Lab	2-5
PHAR 9965	Pharmacotherapy V with Lab	2-5
PHAR 9966	Pharmacotherapy VI with Lab	2-5
PHAR 9908	Pharmacy Problem-Based Learning III	2

PHAR 9945	Health Care III with Lab	4
PHAR 9967	Pharmacotherapy VII with Lab	2-5
PHAR 9968	Pharmacotherapy VIII with Lab	2-5
PHAR 9914	Introductory Pharmacy Practice Experience IV	1
PHAR 9943	Professional Development III	1
PHAR 9948	Pharmacy Law	2
PHAR 9969	Pharmacotherapy IX with Lab	2-5
PHAR 9970	Pharmacotherapy X with Lab	2-5
PHAR 9971 & 9971R	Capstone Pharmacy and Pharmacy Problem-Based Learning IV and Capstone Pharmacy and Pharmacy Problem-Based Learning IV Recitation	2-5
PHAR 9981	Advanced Pharmacy Practice Experience (Students will take 49 credits of PHAR 9981)	7
PHAR 9982	Pharmacy Information Mastery I	1
PHAR 9983	Pharmacy Information Mastery II	1
PHAR 9984	Pharmacy Information Mastery III	1
Electives ¹		6

Student must fulfill ISU General Education requirements.

¹ A minimum of six (6) elective credits must be completed prior to beginning APPEs. Elective courses must have relevance to the healthcare profession and serve to enhance the professional skills and knowledge of the student. For more information, refer to the ISU College of Pharmacy Student Handbook. (<https://www.isu.edu/pharmacy/current-students/pharmd-students/>)

Plan of Study

First Professional Year (P-1) Curriculum

Fall	Credits	Spring	Credits
PHAR 9910	0	PHAR 9905	2
PHAR 9911	1	PHAR 9910	0
PHAR 9912	1	PHAR 9922	5
PHAR 9921	4	PHAR 9926 & 9926R	4
PHAR 9923	0	PHAR 9942	3
PHAR 9924	3	PHAR 9956 & 9956R	4
PHAR 9931	3		
PHAR 9941	4		
PHAR 9949 & 9949R	4		
		20	18

Total Credits: 38

Second Professional Year (P-2) Curriculum

Fall	Credits	Spring	Credits
PHAR 9906	2	PHAR 9907	2
PHAR 9920	0	PHAR 9920	0
PHAR 9927 & 9927L	4	PHAR 9944	4
PHAR 9961	2-5	PHAR 9963	2-5
PHAR 9962	2-5	PHAR 9964	2-5
PHAR 9933	0	PHAR 9965	2-5
PHAR 9913	1	PHAR 9966	2-5
		11-17	14-26

Total Credits: 25-43

Third Professional Year (P-3) Curriculum

Fall	Credits	Spring	Credits
PHAR 9908	2	PHAR 9930	0
PHAR 9930	0	PHAR 9948	2
PHAR 9945	4	PHAR 9969	2-5
PHAR 9967	2-5	PHAR 9970	2-5
PHAR 9968	2-5	PHAR 9971 & 9971R	2-5
PHAR 9914	1		
PHAR 9943	1		
		12-18	8-17

Total Credits: 20-35

Electives

Code	Title	Credits
Electives (may be taken in any semester)		6
Total Credits		6

Fourth Professional Year (P-4) Curriculum

Full Calendar Year

Code	Title	Credits
PHAR 9981	Advanced Pharmacy Practice Experience (49 total credits) ¹	7
PHAR 9982	Pharmacy Information Mastery I	1
PHAR 9983	Pharmacy Information Mastery II	1
PHAR 9984	Pharmacy Information Mastery III	1
Total Credits		10

- ¹ The following experiences are taken as PHAR 9981 Advanced Pharmacy Practice Experiences (APPE):
- Ambulatory Care - 6 weeks
 - Advanced Community - 6 weeks
 - Advanced Institutional - 6 weeks
 - General Medicine - 6 weeks
 - Patient Care/Elective - 18 weeks (A maximum of 12 weeks of experience is allowed in any specialty practice area.)
- TOTAL: 42 weeks

Total for Doctor of Pharmacy Degree, including a minimum of 6 elective credits: 227