



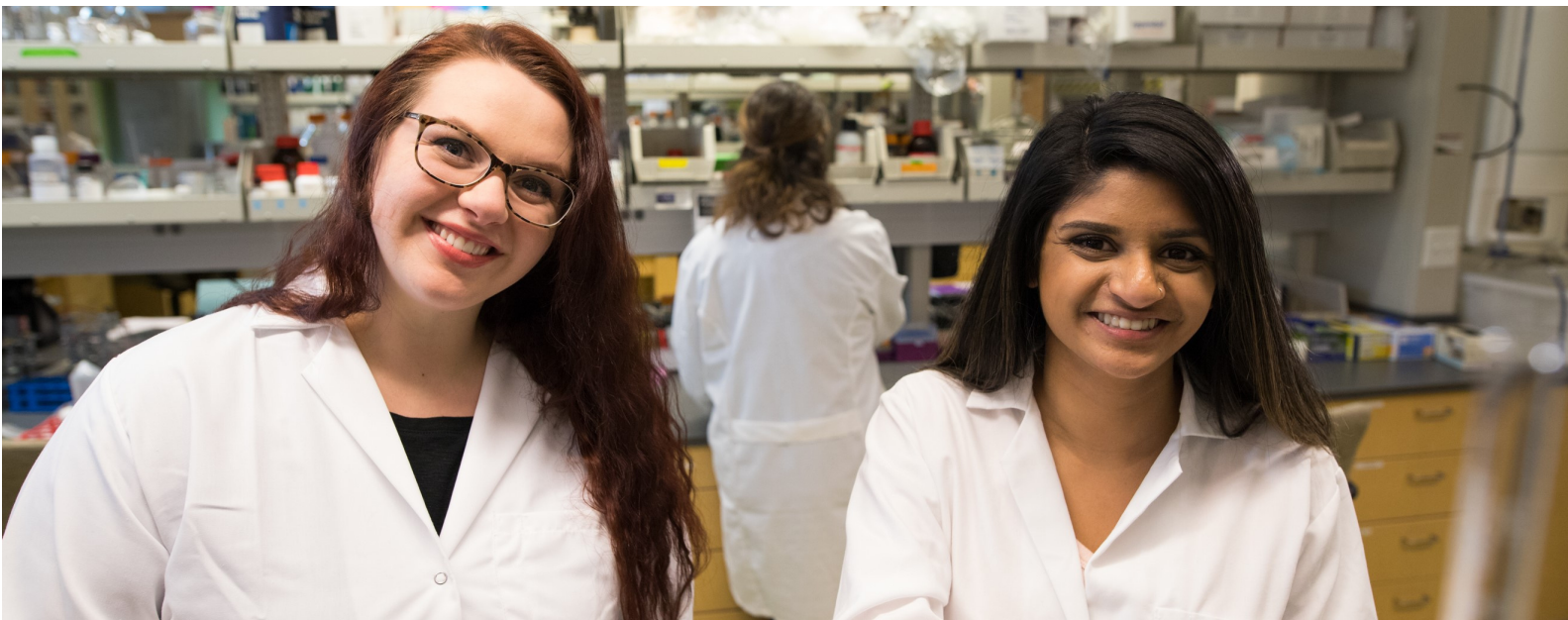
SCHOOL OF PHARMACY

**2-YEAR ON-CAMPUS
MASTER OF SCIENCE IN
PHARMACEUTICAL
SCIENCES (MSPS)**

Contact us: MSPS@pacificu.edu

Apply: <https://www.pharmgrad.org/>





MS IN PHARMACEUTICAL SCIENCES

WHY THIS PROGRAM?

This is an innovative program combining didactic courses with extensive research training. Over half of your coursework will be research-based activities including hands-on laboratory training. This will provide you with a diversity of experiences and quality training due to the uniqueness of our program:

- **RESEARCH EMPHASIS:** 55% of the entire program is research-based coursework including hands-on training in the laboratory.
- **SELF-DIRECTED RESEARCH PROJECT.** You will work closely with a faculty mentor to engage in research training through a project of your own design, culminating in a thesis and defense.
- **HIGH CONTACT MENTORSHIP:** You will work directly and closely with a faculty mentor.
- **SKILLS TRAINING:** You will be trained to use various instrumentation and techniques throughout your research journey.
- **INTERDISCIPLINARY NETWORKING AND FOUNDATIONAL HEALTH SCIENCE EDUCATION:** Over 80% of your didactic coursework is taken together with first-year PharmD students.

ABOUT OUR PROGRAM

This is a two-year terminal degree program (56.5 credits) consisting of didactic and extensive hands-on research experiences and coursework. A total of 31 credits (55%) of the degree is dedicated to research training.

This program design allows students to not only immerse themselves in research and build necessary scientific knowledge, but also improve critical thinking, practical research, and communication skills. Students are given the opportunity to travel to a conference or meeting and present a poster or oral presentation.

The intentional design and delivery of this program affords graduates a competitive edge for various employment/opportunities in:

- pharmaceutical, biomedical, and biotechnology industries.
- other sectors such as governmental regulatory bodies.
- advanced academic pursuits such as PhD in Pharmaceutical Sciences or starting a professional healthcare program such as medicine or pharmacy.

Why Pursue an MSPS Degree at Pacific University School of Pharmacy



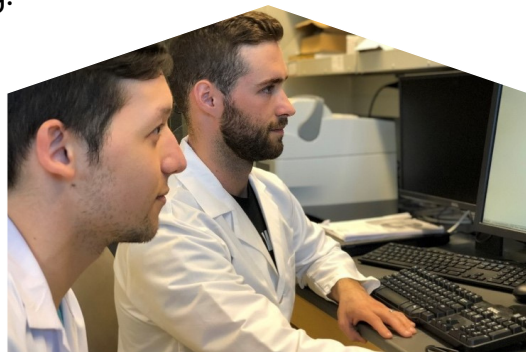
MSPS Curriculum and Design

- The MSPS degree consists of 56.5 didactic, research, and thesis credits.
- A total of 26.5 credits are earned in courses alongside Doctor of Pharmacy (PharmD) students: pharmaceuticals, pharmacokinetics, pharmacy foundation, and personal and professional development.
- An additional 5 credits are earned in master's specific courses: scientific communication, advanced topic, and a research seminar series.
- In total, 31 credits are spent on research coursework and hands-on activities.



Ongoing Science Research

- Pharmaceutical Science Faculty are involved in a variety of cutting-edge and NIH-funded pharmaceutical science research covering several different themes including:
 - Drug Discovery
 - Drug Metabolism
 - Infectious Diseases
 - Pharmacokinetics
 - Pharmacology
 - Medicinal Chemistry
 - Natural Products
 - Toxicology



Modern Science Research Laboratory

- The open layout state-of-the-art research laboratory promotes an environment for collaboration and interaction.
- It is equipped to meet different research demands and to train skills for *in silico*, *in vitro* and *in vivo* studies conducted across industrial or academic institutions:
 - High-performance liquid chromatography (HPLC)
 - Microscopy
 - Liquid chromatography-mass spectrometry (LC-MS)
 - Western blotting
 - Molecular biology techniques
 - Cell culture techniques
 - Peptide synthesis
 - Flow cytometry
 - Quantitative polymerase chain reaction (qPCR)



How to Apply for our MSPS Programs



Complete the PharmGRAD Application

- In order to officially apply to MSPS program, you need to **complete an application through the PharmGRAD portal**.
- As part of this application, you will be asked to submit all college transcripts and other required information such as curriculum vitae or resume, essay.
- Apply at: <https://www.pharmgrad.org/>



Completion of Bachelor's Degree and Prerequisite Courses

- A bachelor's degree is required to apply for or enter the MSPS program at Pacific University School of Pharmacy.
- When applying, students must have or expect to earn a bachelor's degree prior to starting the program.
- You must complete all prerequisite coursework and must achieve a minimum cumulative GPA of 2.75 or higher or have, in the last 45 credits, a GPA of 3.0 or higher.
- Prerequisite courses for our MSPS programs can be found on our website at: <https://www.pacificu.edu/academics/colleges/college-health-professions/school-pharmacy/pharmacy-degree-programs/ms-pharmaceutical-sciences/admissions#prerequisite>



Essay

- Students will submit a one-page essay detailing their research interests and professional aspirations.



Curriculum Vitae or Resume

- Submit your current curriculum vitae or resume listing your education and experiences.

What Our Students Say About the Program



Sara Snyder | MSPS Class of 2025

The faculty are so nice and are more than willing to help you navigate the world of research! The program is tailored to the students' needs and wants, making every experience new and exciting. Some days are more challenging than others, but I look forward to hanging out in class with my pharmacy friends and working in the lab with my faculty mentor.

Pacific University School of Pharmacy

Keep up with us and join us on social media

LinkedIn

