

# B.S. in Pharmaceutical Sciences

[Overview](#)

[Degree Requirements](#)

## Description

The B.S.P.S. degree may be taken as a practice or a nonpractice track. The practice track is designed to prepare a student for entry into the Pharm.D. professional program. The nonpractice tracks are designed to prepare a student for a pharmacy-related career (e.g., research or marketing) or graduate school.

## Minimum Total Credit Hours: 142

## Goals/Mission Statement

On the baccalaureate level, the school shall foster an environment where students can learn and apply the principles and theories related to the pharmaceutical sciences and acquire the knowledge, skills, and attitudes in their chosen discipline such that each can enter and succeed in a professional career in the pharmaceutical sciences, or continue studies in areas including, but not limited to, the Doctor of Pharmacy program or graduate studies in the pharmaceutical sciences.

## General Education Requirements

The general education/core requirements for the B.S.P.S. degree include Engl 101 and Engl 102/Liba 102; Bisc 160, 161, 162, 163, 336 (2010), 414 (2010), and 440 (2010); Chem 105, 115, 106, 116, 221, 225, 222, 226; Phys 213, 223, 214, 224; Math 115, 261; Spch 102 or 105; Econ 202; Phil 328; Phcl 343, 344; Phcg 321; 6 hours of behavioral/social sciences; 9 hours of humanities and fine arts, with at least 3 hours from each area.

## Course Requirements

The first professional year (P3) requirements include Phcl 341 and 342 (Human Physiology/Pathophysiology), Phar 330 (Pharmaceutical Calculations), Phar 331 and 332 (Basic Pharmaceutics); Phad 391 and 392 (Pharmacy Administration); Medc 317 (Pharmacogenetics and Pharmacoinmunology); Phad 490 (Professional Communications), Prct 453 (Practice Skills Laboratory I), Prct 454 (Prct Skills Laboratory II).

In addition students must complete two one-week, full-time rotations, Prct 475 (Distributive Introductory Pharmacy Practice Experience), Prct 476 (Selective Introductory Pharmacy Practice Experience), prior to the P4 year. These experiences will normally occur at a traditional community and traditional institutional practice site, although one rotation can occur at a nontraditional site. However, both rotations cannot occur in either traditional community, traditional institutional, or nontraditional sites. Completion of these experiences will occur either during the final week of the fall semester and during the Maymester. Each of these courses is 1 credit hour.

The second professional year (P4) didactic course requirements include Phcl 443 and 444 (Basic and Clinical Pharmacology); Medc 416 and 417 (Introduction to Principles of Medicinal Chemistry); Phcg 421 (Pathogenesis and Etiology of Infectious Diseases); Phcg 422 (Natural Product-derived Pharmaceutics); Phad 493 (Management); Phad 490 (Professional Communications in Pharmacy); Phad 491 (Pharmacy Law); Phar 434 (Biopharmaceutics/Pharmacokinetics); Prct 450, 451, and 452 (Pharmacy Practice).

In addition students must complete two experiential courses, Prct 477 (Institutional Pharmacy Practice II) and Prct 478 (Community Pharmacy Practice II) during the winter intersession and Maymester.

## Specializations

- [Track - Practice](#)

