

Track - Nonpractice Curricular Tracks

- [B.S. in Pharmaceutical Sciences](#)
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B.S. in Pharmaceutical Sciences **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; Chem 105, 115, 106, 116, 221, 225, 222, 226; Phys 213, 223, 214, 224; Math 261; Spch 102 or 105; Econ 202; Math 115; 6 hours of behavioral/social sciences; 9 hours of humanities and fine arts, with at least 3 hours from each area.

Course Requirements

The third year (P3, the first professional year) requirements include Phcl 341 and 342 (Human Physiology/Pathophysiology), Phcl 343 (Biochemical Foundations of Therapeutics); Phar 330 (Pharmaceutical Calculations), Phar 331 and 332 (Basic Pharmaceutics); Phad 391 and 392 (Pharmacy Administration); Prct 350 (Pharmacy Orientation); Medc 317 (Pharmacogenetics and Pharmacoinmunology); and Phil 326 (Pharmacy Ethics).

Students must then complete either the fourth year (P4) practice track or one of the P4 nonpractice tracks; course requirements for P4 are described on the track sections.

Track - Nonpractice Curricular Tracks **Description**

Completion of a B.S.P.S. nonpractice track (P4 year) may occur in the following areas of concentration-medicinal chemistry, pharmacology/toxicology, or drug discovery and development.

Goals/Mission Statement

The nonpractice track curricula are designed to provide sufficient background in a pharmaceutical science discipline to prepare the student for entry into a graduate degree program (M.S. or Ph.D.) in that respective discipline. They provide career preparation for students interested in pharmacy-related careers, but not desiring to become pharmacists.

General Education Requirements

General education course requirements are covered in the first two years of the B.S.P.S. degree program. Entry into each concentration consists of successful completion of the first three years of the B.S.P.S. degree program, followed by competitive admission.

Course Requirements

The nonpractice track curricula for concentrations in medicinal chemistry, pharmacology/toxicology, or drug discovery and development are identical to the practice track curriculum for the first three years, but differ dramatically in the fourth year. The required P4 courses are detailed under the specific concentrations.

