

Elective Areas of Focus in the Doctor of Pharmacy Program

Electives in the professional curriculum broaden and deepen students' educational experiences beyond the required courses. In the pharmacy curriculum, electives offer students an opportunity to explore pharmacy-related topics in depth, allowing them to see the complexities of pharmacy practice and related issues. The electives offered in this program should have a meaningful relationship with pharmacy practice and professional outcomes.

As a requirement for graduation, all students are required to complete a minimum of 9 hours of electives (with one elective course being writing emphasis). A 3-hour capstone selective course is also required in the spring P3 semester.

In the spirit of designing the richest pharmacy curriculum possible, electives in the pharmacy curriculum have areas of focus that allow students to tailor their elective courses offerings to their interests.

Clinical Services

The goal of this focus area is to further students' abilities in developing and implementing sustainable clinical services for patients. The electives could include areas such as population-based care, developing and implementing new programs, evaluating impact and measuring quality of services, collaborative practice agreements, etc. Courses in the Clinical Services Focus Area will build upon the foundations addressed in Health System Management, Integrated Pharmacotherapy, Information Mastery, and Pharmacy Practice Skills Labs.

Electives Include:

- PPEL 5002 Advanced Pharmacotherapy I
- PPEL 5004 Introduction to Residency Training
- PPEL 5005 Advanced Application of IP: Pulmonary/Cardiology
- PPEL 5006 Spanish for Pharmacy Professionals
- PPEL 5100 Primary Care (Writing Emphasis)
- PPEL 6000 Advanced Pharmacotherapy II
- PPEL 6001 Clinical Cases in Infectious Diseases
- PPEL 6002 Topics in Critical Care
- PPEL 6100 Global Infectious Disease (Writing Emphasis)

Community Care

The goal of this focus area is to further students' abilities in the practice of patient-centered care in community and ambulatory care settings. The electives could include areas such as pharmacotherapy, self-care, primary care, and patient communication. Courses in the Community Care Focus Area will build upon the foundations addressed in Health System Management, Integrated Pharmacotherapy, Introductory Pharmacy Practice Experiences and Pharmacy Practice Skills Labs.

Electives Include:

- PPEL 4002 Diversity in Health Care Beliefs
- PPEL 5003 Advanced Community Pharmacy
- PPEL 5004 Introduction to Residency Training
- PPEL 5006 Spanish for Pharmacy Professionals
- PPEL 5007 Alumni Leadership Forum
- PPEL 5100 Primary Care (Writing Emphasis)
- PPEL 6003 Advocating and Leading the Pharmacy Profession
- PSEL 4000 Medicinal Herbs & Phytopharmacy
- PSEL 4100 Topics in Pharmaceutical Care: International Service Learning (Writing Emphasis)

Disease State Management

The goal of this focus area is to further students' abilities to assume responsibility for patient outcomes. The electives could include areas such as advanced pharmacotherapy, professional communication, and evidence-based medicine. Courses in the Disease State Management Focus Area will build upon the foundations addressed in Principles of Drug Action, Integrated Pharmacotherapy, Information Mastery, and Pharmacy Practice Skills Labs.

Electives Include:

- PPEL 4002 Diversity in Health Care Beliefs
- PPEL 5002 Advanced Pharmacotherapy I
- PPEL 5005 Advanced Application of IP: Pulmonary/Cardiology
- PPEL 5100 Primary Care (Writing Emphasis)
- PPEL 6000 Advanced Pharmacotherapy II
- PPEL 6001 Clinical Cases in Infectious Diseases
- PPEL 6002 Topics in Critical Care
- PPEL 6100 Global Infectious Disease (Writing Emphasis)
- PSEL 4000 Medicinal Herbs & Phytopharmacy
- PSEL 4100 Topics in Pharmaceutical Care: International Service Learning (Writing Emphasis)

Health Care Management and Entrepreneurship

The goal of this focus area is to support economic and managerial approaches to problem solving in health care. The electives could include areas such as pharmacoeconomics, pharmacoepidemiology, entrepreneurship, personal financial management, and pharmacy management. Courses in the Health Care Management and Entrepreneurship Focus Area will build upon the foundations addressed in Health Systems Management and Pharmacy Law.

Electives Include:

- PPEL 5003 Advanced Community Pharmacy
- PPEL 5006 Spanish for Pharmacy Professionals
- PPEL 5007 Alumni Leadership Forum
- PPEL 6003 Advocating and Leading the Pharmacy Profession
- PSEL 4101 Pharmacoepidemiology (Writing Emphasis)
- PSEL 4102 Entrepreneurship (Writing Emphasis)
- PSEL 4104 Pharmacoeconomics (Writing Emphasis)

Health System Pharmacy

The goal of this focus area is to further students' abilities in institutional practice (e.g., academic medical centers, community hospitals, long-term care settings, home-health, etc.) The electives could include areas such as pharmacotherapy, practice management, patient safety, and outcomes. Courses in the Health System Pharmacy Focus Area will build upon the foundations addressed in Health System Management, Integrated Pharmacotherapy, Introductory Pharmacy Practice Experiences, and Pharmacy Practice Skills Labs.

Electives Include:

- PPEL 4000 Hospital Pharmacy
- PPEL 5002 Advanced Pharmacotherapy I
- PPEL 5004 Introduction to Residency Training
- PPEL 5006 Spanish for Pharmacy Professionals
- PPEL 5007 Alumni Leadership Forum
- PPEL 6000 Advanced Pharmacotherapy II
- PPEL 6001 Clinical Cases in Infectious Diseases
- PPEL 6002 Topics in Critical Care
- PPEL 6003 Advocating and Leading the Pharmacy Profession

Pharmaceutical Sciences

The goal of this focus area is to help develop the student's use of the scientific method in approaching problems. The electives could include areas such as advanced compounding, phytopharmacy, advanced drug delivery systems, and toxicology. Students may also complete independent research projects in this area. Courses in the Pharmaceutical Sciences Focus Area will build upon the foundations addressed in Principles of Drug Action, Pharmaceutics, Biopharmaceutics, Pharmacokinetics, and Integrated Pharmacotherapy.

Electives Include:

- PGEL 4002 Pathophysiology
- PSEL 4000 Medicinal Herbs & Phytopharmacy
- PSEL 4001 Advanced Drug Delivery Systems
- PSEL 5000 Advanced Compounding

Public Health

The goal of this focus area is to help students view the healthcare system from a public health viewpoint as well as a patient care perspective. The electives could include areas such as pharmacoepidemiology, global infectious disease, underserved populations, public health challenges, health literacy, and health promotion. Students may also complete independent research projects in this area. Courses in the Public Health Focus Area will build upon the foundations addressed in Public Health Fundamentals in Pharmacy and Introductory Pharmacy Practice Experiences.

Electives Include:

- PPEL 4002 Diversity in Health Care Beliefs
- PPEL 6100 Global Infectious Disease (Writing Emphasis)
- PSEL 4100 Topics in Pharmaceutical Care: International Service Learning (Writing Emphasis)
- PSEL 4101 Pharmacoepidemiology (Writing Emphasis)