

DOCTOR OF PHARMACY (PHARM.D.)

The Doctor of Pharmacy is a professional doctoral degree, not a graduate degree. It is awarded as a post-baccalaureate/professional degree after the conferral of the B.S. in Pharmacy Studies and successful completion of the Pharm.D. requirements. The Doctor of Pharmacy degree entitles an individual to sit for a pharmacy licensing examination.

Location

- Storrs Campus

Modality

- In Person

Doctor of Pharmacy (Pharm.D.)

Upon recommendation of the faculty, the degree of Doctor of Pharmacy is awarded by vote of the Board of Trustees to students who have met the following requirements:

1. earned minimum 210 credits;
2. completed all requirements for the B.S. in Pharmacy Studies and the Pharm.D. degrees (students must complete two additional years beyond the Pharmacy Studies B.S. to earn the Pharm.D. with a total of 210 credits.);
3. satisfied the University's Common Curriculum Requirements; and
4. earned at least a 2.0 grade point average for all calculable required pharmacy courses.

Course	Title	Credits
Third Professional Year		
First Semester		
PHRX 5040	Cardiovascular Module	4
PHRX 5046	Clinical Toxicology	2
PHRX 5060	Pharmacy Skills Development V	3
PHRX 5062	Pharmacy Law and Regulatory Affairs	3
PHRX 5063	Respiratory/Renal Module	4
Professional Electives		3
Credits		19
Second Semester		
PHRX 5043	Infectious Disease Module	4
PHRX 5044	Hematology/Oncology Module	3
PHRX 5045	Special Populations	4
PHRX 5048	Patient Assessment	2
PHRX 5065	Pharmacy Skills Development VI	2
Professional Electives		3
Credits		18
Total Credits		37

Fourth Professional Year (36 Credits)

Students must have completed the B.S. in Pharmacy Studies and the first year of the Pharm. D. program.

Rotating Professional Experiences (Required)

One month (four credits) each for a total of 16 credits. Courses (direct patient contact indicated by ^D):

Course	Title	Credits
PHRX 5100	Professional Experience in Community Pharmacy ^D	4
PHRX 5101	Professional Experience in Health System Pharmacy	4
PHRX 5102	Professional Experience in Ambulatory Care ^D	4
PHRX 5103	Professional Experience in General Medicine ^D	4
Total Credits		16

D Direct patient contact

With the approval of the Director of Experiential Education, substitutions may be made.

Electives (20 credits)

Minimum of five, one month each. At least two of the electives must be direct patient contact (direct patient contact indicated by ^D). All of the PHRX courses in the list are offered for four credits.

Course	Title	Credits
Select five of the following: 20		
PHRX 5104	Professional Experience in Cardiology ^D	
PHRX 5105	Professional Experience in Infectious Disease ^D	
PHRX 5106	Professional Experience in Oncology ^D	
PHRX 5107	Professional Experience in Psychiatry ^D	
PHRX 5108	Professional Experience in Pediatrics ^D	
PHRX 5109	Professional Experience in Geriatrics ^D	
PHRX 5110	Professional Experience in Community Pharmacy II	
PHRX 5111	Professional Experience in Critical Care ^D	
PHRX 5114	Professional Experience in Emergency Medicine ^D	
PHRX 5115	Professional Experience in Home Health Care ^D	
PHRX 5116	Professional Experience in Health System Pharmacy II	
PHRX 5117	Professional Experience in Industry	
PHRX 5118	Professional Experience in Managed Care	
PHRX 5119	Professional Experience in Nuclear Pharmacy	
PHRX 5122	Professional Experience in Long-term Care	
PHRX 5123	Professional Experience in Surgery ^D	
PHRX 5124	Professional Experience In General Medicine II ^D	
PHRX 5125	Professional Experience in Ambulatory Care II ^D	
PHRX 5126	Professional Experience in Anticoagulation Service ^D	
PHRX 5128	Professional Experience in Hospice Care ^D	

PHRX 5133	Professional Experience in Clinical Toxicology
PHRX 5135	Professional Experience in Investigational Drug Service
PHRX 5136	Professional Experience in Drug Information
PHRX 5137	Professional Experience in Pediatrics II ^D
PHRX 5138	Professional Experience in Industry II
PHRX 5139	Professional Experience in a Professional Organization
PHRX 5140	Professional Experience at Food and Drug Administration (FDA)
PHRX 5141	Professional Experience in Oncology II ^D
PHRX 5143	Professional Experience in Psychiatry II ^D
PHRX 5146	Professional Experience in Managed Care II
PHRX 5147	Professional Experience in International Pharmacy
PHRX 5149	Professional Experience in Critical Care II ^D
PHRX 5150	Professional Experience in Pain Management ^D
PHRX 5152	Professional Experience in Patient Safety
PHRX 5153	Professional Experience in Academia
PHRX 5154	Professional Experience in Organ Transplant ^D
PHRX 5155	Professional Experience in International Pharmacy II
PHRX 5157	Professional Experience in Clinical-based Community Practice
PHRX 5161	Professional Experience in Pharmacy Informatics
PHRX 5164	Professional Experience in Infectious Disease II ^D
PHRX 5165	Professional Experience in Management
PHRX 5166	Professional Experience in Research I
PHRX 5167	Professional Experience in Urban Service ^D
PHRX 5169	Professional Experience in Leadership
PHRX 5170	Professional Experience in Medical Writing
PHRX 5171	Professional Experience in Antimicrobial Stewardship
PHRX 5172	Professional Experience in Health System-based Clinical Practice ^D
PHRX 5173	Professional Experience Academic Leadership
PHRX 5175	Professional Experience in Population Health
PHRX 5195	Special Topics in Clinical Rotations
PHRX 5199	Professional Experience in Research II

Total Credits **20**

D Direct patient contact

Professional Development Courses (zero credit)

PHRX 5260 P4 Professional Development I and PHRX 5265 P4 Professional Development II. Students must achieve a grade of "S"

in each course to denote satisfactory completion and eligibility for graduation.

Minimum Total credits for Doctor of Pharmacy (between Pharmacy Studies and Doctor of Pharmacy): 210.

Exemption and Substitution

Students who desire to be excused from any of these requirements or to substitute other courses for those prescribed, should consult the Office of Admissions and Student Affairs. Such exemptions or substitutions must be approved by Associate Dean for Admissions and Student Affairs of the School of Pharmacy. Any waivers or substitution for professional courses must be approved by the School of Pharmacy Curriculum Committee.

Learning Objectives

1. Learner – Seek, analyze, integrate, and apply foundational knowledge of medications and pharmacy practice (biomedical; pharmaceutical; social, behavioral, and administrative; and clinical sciences; drug classes; and digital health).
2. Problem-Solver – Use problem solving and critical thinking skills, along with an innovative mindset, to address challenges and to promote positive change.
3. Communicator – Actively engage, listen, and communicate verbally, nonverbally, and in writing, when educating or interacting with an individual, group, or organization.
4. Ally – Mitigate health disparities by considering, recognizing, and navigating cultural and structural factors to improve access and health outcomes.
5. Provider – Provide whole person care and comprehensive medication management to individuals as the medication specialist using the Pharmacists' Patient Care Process.
6. Advocate – Promote the best interests of patients and/or the pharmacy profession within healthcare settings and at the community, state, or national level.
7. Steward – Optimize patient healthcare outcomes using human, financial, technological, and physical resources to improve the safety, efficacy, and environmental impact of medication use systems.
8. Collaborator – Actively engage and contribute as a healthcare team member by demonstrating core interprofessional competencies.
9. Promoter – Assess factors that influence the health and wellness of a population and develop strategies to address those factors.
10. Leader – Demonstrate the ability to influence and support the achievement of shared goals, regardless of one's role.
11. Self-aware – Examine, reflect on, and address personal and professional attributes (e.g., knowledge, metacognition, skills, abilities, beliefs, biases, motivation, help-seeking strategies, and emotional intelligence) that could enhance or limit growth, development, and professional identity formation.
12. Professional – Exhibit attitudes and behaviors that embody a commitment to building and maintaining trust with patients, other health care providers, and society.
13. Collect: Collect information necessary to identify a patient's medication-related problems and health-related needs.
14. Assess: Assess collected information to determine a patient's medication-related problems and health-related needs.
15. Plan: Create a care plan in collaboration with the patient, others trusted by the patient, and other health professionals to optimize pharmacologic and non-pharmacologic treatment.

16. Plan: Contribute patient specific medication-related expertise as part of an interprofessional care team.
17. Plan: Answer medication related questions using scientific literature.
18. Implement: Implement a care plan in collaboration with the patient, others trusted by the patient, and other health professionals.
19. Implement: Fulfill a medication order.
20. Implement: Educate the patient and others trusted by the patient regarding the appropriate use of a medication, device to administer a medication, or self-monitoring test.
21. Follow-up, monitor and evaluate: Monitor and evaluate the safety and effectiveness of a care plan.
22. Follow-up, monitor and evaluate: Report adverse drug events and/or medication errors in accordance with site specific procedures.
23. Deliver medication or health-related education to health professionals or the public.
24. Identify populations at risk for prevalent diseases and preventable adverse medication outcomes.
25. Perform the technical, administrative, and supporting operations of a pharmacy practice site.
26. Justify recommendations to healthcare providers and patients.
27. Utilize knowledge of drug characteristics for commonly used medications.