



Program Level Student Learning Outcomes (P-SLOs)

Pharmacists practice health science focusing on safe and effective medication use and are prepared to offer support, counseling, and knowledge to patients and other health care providers. Graduates utilize knowledge in anatomy, physiology, and pathophysiology in order to understand biochemical mechanisms of drug action, drug uses, therapeutic roles, side effects, potential drug interactions, and monitoring parameters. Educational experiences prepare graduates to interpret and communicate this specialized knowledge to patients, physicians, health care providers, and the general public. The Oregon State University/Oregon Health & Science University (OSU/OHSU) Doctor of Pharmacy (PharmD) graduates are eligible for licensure as a pharmacist anywhere in the United States and are prepared to advance patient care solutions with creativity and confidence.

At the end of the Doctor of Pharmacy program, the graduate will be able to:

Domain 1: Foundational Knowledge

1.1 Foundational Knowledge: Develop, integrate, and apply knowledge from the foundational sciences (i.e., pharmaceutical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and patient-centered care.

1.1.1 Develop and demonstrate depth and breadth of knowledge in pharmaceutical, social/behavioral/administrative, and clinical sciences.

1.1.2. Demonstrate use of foundational sciences in problem solving for contemporary pharmacy services and patient-centered care.

1.1.3 Integrate knowledge from foundational sciences to explain drug action and evaluate drug use appropriate in individuals and populations.

1.1.4 Critically analyze scientific literature related to drugs, disease, technologies, and emerging theories to enhance clinical decision making.

Domain 2: Essentials for Practice and Care

2.1 Patient-centered Care: - Provide patient-centered care as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).

2.1.1 Collect, interprets, and prioritizes subjective and objective evidence related to the patient, patient's environment, patient's goals, medications, and disease.

2.1.2 Formulate and implement evidence-based care plans with patients to attain therapeutic goals; integrate foundational knowledge, evidence of best practices, and consideration for patient complexities.

2.1.3 Assess, evaluate, monitor, and adjust care plans to optimize therapeutic outcomes and ensure patient-safety.

2.1.4 Document patient care-related activities in a manner consistent with the standard patient care process for pharmacy.

2.2 Medication Use Systems Management: - Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.

2.2.1 Identify, explain, and demonstrate foundational knowledge and conceptual understanding of medication use systems.

2.2.2 Recognize and manage key aspects of medication use systems in which human, financial, technological and physical resources impact safety and efficacy.

2.2.3 Identify, assess, and propose solutions to increase safety and efficacy of medication systems by applying common pharmacy practice management theories and principle

2.2.4 Appropriately operate medication use systems with specific attention paid to transition of care points to improve patient outcomes.

2.2.5 Apply quality improvement processes to medication use management systems.

2.3 Health and Wellness: Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.

2.3.1 Describe and demonstrate systematic preventative care, using risk assessment, risk reduction, health screenings, and education.

2.3.2 Evaluate personal, social, economic, and environmental conditions to maximize health and wellness.

2.3.3 Provide and collaborate in the delivery of prevention, intervention, and educational strategies for individuals and communities to improve health and wellness.

2.3.4 Assess and evaluate effectiveness of program(s) designed to improve health and wellness.

2.4 Population-based Care: Describe how population-based care influences patient-centered care and influences the development of practice guidelines and evidence-based best practices.

2.4.1 Assess the health care status and needs of a targeted patient population, interpreting drug use evaluation and epidemiologic information to establish and assess meaningful healthcare goals.

2.4.2 Develop and provide an evidence-based approach that considers the cost, care, access, and patient experience of a targeted patient population.

2.4.3 Develop and apply a plan to manage population health, including policy analysis and necessary program changes, to maximize health.

2.4.4 Manage population health by evaluating and adjusting interventions to maximize health.

Domain 3: Approach to Practice & Care

3.1 Problem Solving: Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution

3.1.1 Identify and define the primary problem.

3.1.2 Establish goals, then explore and analyze multiple solutions for each problem while identifying preferred alternatives.

3.1.3 Implement the most viable solution.

3.1.4 Evaluate and reflect on outcomes to improve future performance.

3.2 Educator: Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.

3.2.1 Educate people with differing levels of expertise in varied settings.

3.2.2 Optimize instructional strategies and tools to achieve learning outcomes.

3.2.3 Assess achievement of learning outcomes to identify gaps and improve instructional methods.

3.3 Patient Advocacy: Assure that patients' best interests are represented.

3.3.1 Empower patients, or when appropriate their agents, to take responsibility for their health.

3.3.2 Assist patients in navigating the complex healthcare system while being respectful of patients' diverse needs and perspectives.

3.3.3 Ensure patients obtain the resources and care required for wellness in an efficient and cost-effective manner.

3.4 Interprofessional Collaboration: Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.

3.4.1 Describe and respect the roles and responsibilities for varied health care team members to optimize patient care.

3.4.2 Establish a climate of shared values and mutual respect.

3.4.3 Communicate in a manner that values team-based decision making and shows respect for contributions from other areas of expertise including patients, caregivers, and community.

3.4.4 Foster accountability and leverage expertise to form a highly functioning team and promote shared patient-centered problem-solving.

3.5 Cultural Sensitivity: Recognize social determinants of health to diminish disparities and inequities in access to quality care.

3.5.1 Demonstrate knowledge of and respect for different cultural norms.

3.5.2 Safely and appropriately incorporate patients' cultural beliefs and practices into health and wellness care plans.

3.5.3 Minimize disparities and inequities in health through culturally appropriate care.

3.6 Communication: Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

3.6.1 Confidently and effectively communicate patient care plans and health care information for safe, effective and personalized care.

3.6.2 Assess a patient's health literacy and modify communication strategies to meet the patient's needs.

3.6.3 Document patient care activities clearly, concisely, and accurately.

3.6.4 Select and use available media and other technology communicate effectively.

3.6.5 Obtain feedback and confirm understanding.

3.6.6 Prepare, present, and disseminate evidence-based practice and research findings.

Domain 4: Personal and Professional Development

4.1 Self-awareness: Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.

4.1.1. Demonstrate ability to be self-reflective, self-critical, and willing to pursue personal and professional improvement.

4.1.2 Create, implement, evaluate and modify plans for personal and professional development for the purpose of individual growth; including plan for lifelong professional development.

4.1.3 Demonstrate persistence, display flexibility, and develop effective coping strategies.

4.1.4 Display positive self-esteem and confidence.

4.2 Leadership: Demonstrate responsibility for creating and achieving shared goals, regardless of position.

4.2.1. Demonstrate leadership irrespective of role or position.

4.2.2 Build and empower collaborative teams using appropriate leadership strategies to achieve a shared goal or vision.

4.3 Innovation and Entrepreneurship: Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.

4.3.1 Demonstrate creativity and initiative when confronted with challenges

4.3.2 Develop new ideas and approaches to improve quality or overcome barriers.

4.3.3 Demonstrate the ability to apply quality improvement strategies.

4.4 Professionalism: Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.

4.4.1 Demonstrate altruism, integrity, trustworthiness, flexibility, and respect in all interactions.

4.4.2 Display preparation, initiative, and accountability consistent with a commitment to excellence and continual improvement.

4.4.3 Deliver patient-centered and population-based care in a manner that is legal, ethical, and compassionate.

These program-level SLOs align with our degree partner's (Oregon Health & Science University) core graduation competencies as outlined below.

		1. Professional Knowledge & Skills	2. Reasoning and Judgment	3. Evidence-based Practice & Research	4. Lifelong Learning	5. Communication	6. Professionalism & Ethics	7. Interprofessional Teamwork	8. Safety and QI	9. Systems	10. Patient/Client-centered care	11. Educator	12. Medication Expert
1.1	Learner	X	X	X	X				X	X		X	X
2.1	Caregiver	X	X	X		X	X	X	X	X	X		
2.2	Manager		X					X	X	X			X
2.3	Promoter	X	X	X					X	X			
2.4	Provider		X	X			X	X	X	X	X		X
3.1	Problem-Solver	X	X	X	X			X	X				X
3.2	Educator	X			X	X						X	
3.3	Advocate		X			X	X	X		X	X	X	
3.4	Collaborator					X	X	X			X		
3.5	Includer					X	X	X			X	X	
3.6	Communicator		X			X			X		X	X	
4.1	Self-aware		X		X		X				X		
4.2	Leader		X		X	X	X	X	X		X		X
4.3	Innovator		X		X	X				X	X		X
4.4	Professional	X	X	X	X	X	X	X	X	X	X	X	X

note: 11 & 12 (Educator and Medication Expert) across the top of this table have been added by OSU as core to our students graduation competencies.