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 healthcare providers. Graduates utilize an understanding of anatomy, physiology, and pathophysiology 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, healthcare 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 the pharmaceutical, social/behavioral/administrative, and clinical sciences.
1.1.2 Demonstrate the 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, understand, and prioritize 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 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 critical 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 principles.

2.2.4 Appropriately operate medication use systems with specific attention paid to the 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 the effectiveness of the program(s) designed to promote 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 healthcare 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 and maximize population health, including policy analysis and necessary program changes.

2.4.4 Manage population health by evaluating and adjusting interventions to optimize health.
Domain 3: Approach to Practice and 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 issue.
3.1.2 Establish goals, then study 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 Education
Educate all audiences by determining the most efficient 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
Represent the patients' best interests.

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 efficiently and cost-effectively.

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 of 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 healthcare 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, concisely, and accurately.
3.6.4 Select and use available media and other technology to efficiently communicate.
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 the 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 individual growth, including a 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.