School of
PHARMACY
HAMPTON UNIVERSITY

HAMPTON UNIVERSITY SCHOOL OF PHARMACY

Program Essential Competencies

Reference CAPE (Center for the Advancement of Pharmacy Education) Outcomes (Revised based on COEPA 2022)

Competency	Learner Outcome
1. **Demonstrate cultural and structural humility**	o Address health disparities by identifying barriers to health access to marginalized and vulnerable communities o Display awareness and sensitivity to cultural and socioeconomic diversity
2. **Promote Public and Population Health**	o Educate the public and other healthcare professionals about prevention and treatment of diseases and other health related conditions o Educate the public about proper utilization of medical devices o Educate the public about the importance of adherence o Promote wellness and healthy lifestyle modifications o Provide initial patient assessment and triage patients to determine the most appropriate course of treatment
3. **Conduct pharmacoeconomic assessments**	o Evaluate relevant data to help design appropriate treatment regimens o Describe the mechanisms for implementing and sustaining pharmaceutical care in diverse practice settings o Demonstrate awareness of financial management as it relates to operating a pharmacy practice site o Evaluate data to devise the most cost-effective therapeutic options for patients
4. **Demonstrate critical thinking and decision-making skills**	o Identify and prioritize problems o Apply critical thinking skills to solve complex problems and make responsible decisions o Identify, assess, and apply foundational knowledge of medications, pharmaceutical sciences, social/clinical/behavioral/administrative sciences, and health informatics
5. **Demonstrate effective communication**	o Read, listen, write, and verbalize effectively o Actively engage as part of an interprofessional team with physicians, other healthcare professionals, patients, and/or their caregivers

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	o Educate patients and/or caregivers and healthcare professionals regarding prescription and nonprescription medications, and medical devices that optimize pharmacotherapy outcomes o Demonstrate effective communication using different technological modalities o Communicate complex data from clinical trials and guidelines
6. **Demonstrate life-long learning, self-awareness and professionalism**	o Make decisions that are ethical, rational, and legal with the understanding of the liability and responsibility associated with the profession o Demonstrate an awareness of own strengths, values, beliefs, biases, and their effects on others o Identify professional development needs o Maintain school of pharmacy and university code of conduct o Demonstrate interactive behaviors that are aligned with the profession o Create goals that will promote continuous professional growth and development o Identify and participate in self-directed learning activities such as postgraduate education opportunities, conferences, journal clubs, obtain microcredentials, etc
7. **Demonstrate effective leadership**	o Support the achievement of shared goals (committee, team, student organizations) regardless of role o Prioritize relationships and communication networks to understand the needs of others o Demonstrate accountability for actions, decisions, and work effort o Seek or encourage opportunities for innovative approaches to organizational problems o Express thoughts, feelings, and ideas clearly and in a compelling manner to individuals and group settings o Incorporate personnel, marketing, and financial principles to foster the development.
8. **Evaluate, review, and prepare drug orders or prescriptions**	o Interpret prescriptions for accurate preparation of medication orders o Compound medications accurately o Evaluate medication prescriptions for errors and interactions
9. **Manage systems for storage, preparation, and dispensing of medications**	o Apply guidelines and standards of practice for preparation, storage, in process quality control, and administration of sterile dosage forms, including

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	enteral and parenteral nutrition products in various pharmacy practice settings o Utilization and management of medication distribution and control systems

10. Conduct patient assessment and design a patient-specific care plan	o **Collect** the necessary subjective and objective information about the patient to understand the relevant medical medication history and clinical status of the patient
	  ➢ Health and functional status
	  ➢ Risk factors
	  ➢ Health data
	  ➢ Cultural factors
	  ➢ Health literacy
	  ➢ Access to medications and other aspects of care
	o **Assess** the information collected and analyze the clinical effects of the patient's therapy in the context of the patient's overall health goals as it related to medication:
	  ➢ Appropriateness
	  ➢ Effectiveness
	  ➢ Safety
	  ➢ Patient adherence
	o Assess need for non-pharmacological interventions, preventive care, and other healthcare services
	o Assess immunization status preventative care
	o **Plan** – Identify, address and prioritize medication related problems to achieve optimal care
	o Set goals of therapy for achieving clinical outcomes in the context of the patient's overall healthcare goals and access to care
	o Engage the patient through education, empowerment, and self-management
	o Support continuity of care, including follow-up and transitions of care as appropriate
	o **Implement -** Address medication-related problems and optimize medication therapy
	o Develop an individual patient-centered care plan in collaboration with other healthcare professionals, the patient or caregiver that is evidenced-based and cost effective

	o Implement the care plan in collaboration with other healthcare professionals and the patient or caregiver o Engage in preventive care strategies, including vaccine administration o Initiate, modify, discontinue, or administer medication therapy as authorized o Provide education and self-management training to the patient or caregiver o Contribute to coordination of care, including referral or transition of the patient to another healthcare professional o Schedule follow-up care as needed to achieve goals of therapy
	Follow-up: Monitor and Evaluate o Monitor medications for appropriateness, effectiveness, and safety and patient adherence o Identify, prevent, and manage drug therapy problems that result in positive and optimal patient outcomes o Monitor and evaluate the effectiveness of the care plan and modify the plan in collaboration with other healthcare professionals and the patient or caregiver as needed o Evaluate medication appropriateness, effectiveness, safety and patient adherence through available health data, biometric test results, and patient feedback o Evaluate clinical endpoints that contribute to the patient's overall health o Evaluate outcomes of care including progress toward or the achievement of goals of therapy o Document pharmaceutical care activity in the patient's medical record to facilitate communication and collaboration among providers
11. Provide Drug Information	o Provide medication information to patients and/or caregivers, healthcare professionals and the public o Develop and offer customized educational materials to the public that are based on its demand, need, educational background, and differential outcomes based on pharmacogenomic profiles o Assess patient and/or caregiver understanding of medication information provided o Use available resources to ensure patient comprehension of information