### Program Outcome

1. The technician will demonstrate appropriate knowledge and understanding of pharmacy’s role in the healthcare industry, including quality improvement processes that are used to monitor pharmacy’s ability to fulfill its responsibilities within a given healthcare system.

   **Course Outcome**  
   **PHR 101**  
   **Introduction to Pharmacy Technician**

   Demonstrate a fundamental understanding of the pharmacy technician’s role in the workplace.

   **Course Outcome**  
   **PHR 102**  
   **Pharmaceutical Calculations**

   Demonstrate an understanding of the pharmacy technician’s role in the medication-use process in various pharmacy practice settings.

2. The technician will develop a working knowledge of the pharmaceutical and medical abbreviations, and symbols commonly used in the prescribing, dispensing, administering, and charting of medications.

   **Course Outcome**  
   **PHR 102**  
   **Pharmaceutical Calculations**

   Define units of measure used in pharmacy practice.

3. The technician will develop a working knowledge of the general chemical and physical properties of drugs handled in the manufacturing and packaging operations used in the delivery of pharmaceutical services.

   **Course Outcome**  
   **PHR 103**  
   **Pharmacy Practice: Dispensing Non-Sterile Applications**

   Perform mathematical steps required to solve problems involving ratio strength calculations for pharmaceutical preparations.

4. The technician should be able to perform the arithmetical calculations required for the usual dosage determinations and solutions preparation.

   **Course Outcome**  
   **PHR 103**  
   **Pharmacy Practice: Dispensing Non-Sterile Applications**

   Perform mathematical calculations essential to the duties of a certified pharmacy technician in a variety of contemporary settings.

5. The technician should demonstrate a working knowledge of drug dosages, routes of administration, and mechanical, automatic, or robotic drug delivery systems.

   **Course Outcome**  
   **PHR 103**  
   **Pharmacy Practice: Dispensing Non-Sterile Applications**

   Properly count, measure, and prepare medications as specified by a prescription or medication order.

6. The technician should have a working knowledge of the procedures and operations relating to the manufacturing, packaging, and labeling of drug products.

   **Course Outcome**  
   **PHR 103**  
   **Pharmacy Practice: Dispensing Non-Sterile Applications**

   Demonstrate the proper use of literature to gain necessary drug information.

7. The technician should have a thorough knowledge and understanding of the duties and responsibilities of pharmacy technicians, including standards of ethics governing pharmacy practice; as well as, duties as allowed in the state of Maryland, and how those duties may vary in other states, along with required responsibilities of lifelong learning required for maintaining certification.

   **Course Outcome**  
   **PHR 103**  
   **Pharmacy Practice: Dispensing Non-Sterile Applications**

   Become familiar with patient medical records, medication orders, and prescriptions, as well as the location of essential patient information, and the mandated requirements for storing and recording patient information.