
Pharmacy Technician Program Courses

PTP 100: Medical Terminology

This course subject presents a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. A programmed learning, word building systems approach is used to learn word parts for constructing or analyzing new terms. This provides the opportunity to decipher unfamiliar terms and check their spelling. Emphasis is placed on spelling, definition, usage, and pronunciation. Abbreviations introduced as related terms are presented.

PTP 101: Pharmacology

Various aspects of clinical pharmacology will be discussed including a study of the various medications currently prescribed for the treatment of illnesses and diseases based on a systems method. Included in the course are common abbreviations used in prescription writing, interpretation of prescriptions, and legal aspects of prescriptions. In addition, dosage calculations and administration will be taught and practiced.

PTP 102: Pharmacology II

This course subject is a continuation of Pharmacology. Students will examine physiological effects and medicinal treatments of diseases related to the respiratory, gastrointestinal, cardiovascular, immune, renal, endocrine, reproductive, muscular, and nervous systems. In addition, students will review the Physicians' Desk Reference and the Top 200 drugs used in today's most common diseases/conditions.

PTP 103: Pharmacy Calculations

This course subject covers a review of basic math and algebraic principles, including numerical systems, fractions, decimals, ratios, proportions, and percentages. Emphasis is placed on systems of measurement, concentrations, dilutions, allegations, and basic pharmacological accounting. This course also covers advanced technical dosage and pharmaceutical calculations. Students will learn to calculate dosages, milliequivalents, and IV flow rates.

PTP 104: Institutional and Community Pharmacy Operations

This course subject covers the process of reading and filling prescriptions in the ambulatory, community, retail, institutional, and hospital practice setting. The course also examines the evolution of health care up to and including an in-depth overview of the modern pharmacy in addition to the role of Pharmacy Technicians in home care, long-term care settings, and infusion.

PTP 105: Institutional and Community Pharmacy Lab I

In this course subject students will practice receiving, interpreting, entering, and filling various prescription orders common to community pharmacies. In addition, laboratory assignments will guide students through the documentation required by pharmacies. The course also introduces students to the machinery, equipment, software programs, and supplies used in pharmacies.

PTP 106: Advanced Administration Technique Lab

In this course subject students will learn current methods for administering and documenting medications in various practice settings. Topics will include the monitoring of medication therapies and the theoretical skills necessary for the intravenous admixture of advanced technique. Students will engage in patient case scenarios of common complications experienced in routine drug administration.

PTP 107: Pharmacy Maintenance, Safety & Quality Assurance Issues

In this course students learn an established procedure for purchasing pharmaceuticals, devices, and supplies including handling their receipt, storage, removal, and documentation. Students will also learn methods of handling hazardous wastes, sharps, and infection control. In addition, students learn to maintain the security of inventory, including deterring theft. Students learn as well to identify and report clinically significant adverse medication events (ADEs) and to participate in determining the presence of any similar potential ADEs. Finally, students are introduced to the concept of troubleshooting and the maintenance and repairing of pharmacy equipment and devices as well as the monitoring of medications

to ensure their use is congruent with the prescription/medication order for the patient.

PTP 108: Job Placement

This course subject will prepare students for Proper Image, Dress, Resume, and How to Prepare for An Interview and other techniques to get them ready for job placement.