

# PHARMACY TECHNICIAN (PTEC)

## PTEC 100 60 Hours

### Pharmacy Technician, Introduction

(Formerly MEOC 130) Course orients students to pharmacy practice and the work of pharmacy technicians. It covers pharmacy technician registration process and educational requirements, the role of the technician, duties and tasks technicians perform as regulated by pharmacy law, and the necessary abilities and skills for a successful career as a pharmacy technician. Textbook Required. (*Apportionment*)

## PTEC 105 36 Hours

### Pharmacy Operations Lab

(Formerly MEDO 230)

**Prerequisite(s):** PTEC 100 Pharmacy Technician, Introduction and COMP 685 Beginning Keyboarding or Keyboarding Challenge Exam with a pass rate of 30 net words a minute.

This course is an introduction to the operations of a pharmacy and provides students with a working knowledge of its structural, functional, business and inter-relational aspects within the health care system. The course also covers the basics of compounding, medication distribution and inventory control. Textbook Required. (*Apportionment*)

## PTEC 110 36 Hours

### Pharmaceutical Mathematics

(Formerly MEOC 140)

**Prerequisite(s):** PTEC 100 Pharmacy Technician, Introduction.

Includes a review of basic mathematics focusing on its application to common pharmaceutical calculations; terminology, abbreviations and units needed to perform pharmaceutical calculations; and how to interpret pharmaceutical documents using acquired pharmaceutical math knowledge. Textbook Required. (*Apportionment*)

## PTEC 115 36 Hours

### Pharmacology I

(Formerly MEOC 121)

**Prerequisite(s):** MEDO 105 Medical Terminology.

Students will learn the principles of pharmacology. Students will review classifications of medicines, trade and generic names, side effects and drug interactions related to the neurological, visual, auditory, integumentary, and musculoskeletal body systems. Over-the-counter drugs including antihistamines, anti-inflammatory, analgesics, vitamins and natural substances will be covered. Textbook Required. (*Apportionment*)

## PTEC 120 36 Hours

### Pharmacology II

(Formerly MEOC 122)

**Prerequisite(s):** MEDO 105 Medical Terminology.

Students will learn the principles of pharmacology. Students will review classifications of medicines, trade and generic names, side effects and drug interactions related to the cardiovascular, blood, respiratory, urinary, digestive, endocrine and reproductive body systems. Anti-infectives, vaccines, oncology agents, as well as fluid and electrolytes are covered. Textbook Required. (*Apportionment*)

## PTEC 125 36 Hours

### Human Relations for Healthcare Workers

(Formerly MEOC 135)

Covers basic communications skills with emphasis on the healthcare profession. Topics include non-verbal communication, group communication, conflict resolution, ethics in health communication, elements of intercultural communication, resume writing, job application and interviewing techniques. Textbook Required. (*Apportionment*)

## PTEC 200 48 Hours

### Pharmacy Technician, Lab for the In-Patient

(Formerly MEDO 221)

**Prerequisite(s):** PTEC 105 Pharmacy Operations Lab and PTEC 110 Pharmaceutical Mathematics and PTEC 115 Pharmacology I and PTEC 120 Pharmacology II.

Course covers the preparation of medications given by intravenous, epidural and subcutaneous routes of administration. The student will learn aseptic techniques, pharmacy IV calculations, drug compatibilities and stabilities, IV therapy management, and specialized equipment. The laboratory incorporates use of laminar and vertical flow hoods and computerized software for IV preparation. Textbook Required. (*Apportionment*)

## PTEC 205 48 Hours

### Pharmacy Technician, Lab for the Out-Patient

(Formerly MEDO 220)

**Prerequisite(s):** MEDO 105 Medical Terminology and PTEC 105 Pharmacy Operations Lab and PTEC 110 Pharmaceutical Mathematics and PTEC 115 Pharmacology I and PTEC 120 Pharmacology II.

This course is designed to provide pharmacy technician students with practical experience in a simulated out-patient pharmacy setting. It includes hands-on experience working with a computerized pharmacy management system in the retail setting, third party billing and telephone etiquette. Textbook Required. (*Apportionment*)

## PTEC 300 18 Hours

### Pharmacy Technician Practical Career Training - Entry

(Formerly MEDO 316)

**Prerequisite(s):** PTEC 125 Human Relations for Healthcare Workers and PTEC 200 Pharmacy Technician, Lab for the In-Patient and PTEC 205 Pharmacy Technician, Lab for the Out-Patient.

This course is designed to provide pharmacy technician students with field experience in an out-patient pharmacy environment. It requires weekly class meetings plus 130-hours of externship in an approved pharmacy. Class topics include professionalism, current issues in pharmacy, and work performance. Textbook Required. (*Apportionment*)

## PTEC 301 48 Hours

### Pharmacy Technician Advanced Level Lecture

**Prerequisite(s):** PTEC 300 Pharmacy Technician Practical Career Training - Entry or completion of an ASHP Entry Level Program Certificate.

The program prepares students for practice as Advanced-level pharmacy technicians, in a broad range of advanced roles in a variety of contemporary settings (e.g., community, hospital, home care, long-term care) and has students acquire additional knowledge, skills, behaviors, and abilities beyond those of the Entry-level pharmacy technician. Textbook Required. (*Apportionment*)

**PTEC 302****60 Hours****Pharmacy Technician Advanced Level Lab**

**Prerequisite(s):** PTEC 300 Pharmacy Technician Practical Career Training - Entry and PTEC 301 Pharmacy Technician Advanced Level Lecture or Completion of an American Society of Hospital Pharmacists (ASHP) recognized Pharmacy Technician Entry Level program.

**Corequisite(s):** Concurrently with PTEC 301 Pharmacy Technician Advanced Level Lecture or upon successful completion of PTEC 301 Pharmacy Technician Advanced Level Lecture.

The program prepares students for practice as Advanced-level pharmacy technicians, in a broad range of advanced roles in a variety of contemporary settings (e.g., community, hospital, home care, long-term care) and has students acquire additional knowledge, skills, behaviors, and abilities beyond those of the Entry-level pharmacy technician. The Lab is designed to be taken concurrently or after the lecture course (*Apportionment*)

**PTEC 305****18 Hours****Pharmacy Technician Practical Career Training - Advanced**

(Formerly MEDO 317)

**Prerequisite(s):** PTEC 301 Pharmacy Technician Advanced Level Lecture and PTEC 302 Pharmacy Technician Advanced Level Lab.

This course is designed to provide pharmacy technician students with field experience in an in-patient pharmacy environment. It requires weekly class meetings plus 160-hours of externship in an approved pharmacy. Class topics include portfolio development, job search, professionalism, current issues in pharmacy, and work performance. Textbook Required. (*Apportionment*)

**PTEC 310****20 Hours****Pharmacy Technician Certification Exam Review**

This course is a review for the pharmacy technician certification exam. It covers the registration process and re-certification requirements, and reviews the materials contained on the exam. This course is designed as a review for individuals who have completed a pharmacy technician program or who are working pharmacy technicians. Textbook Required. (*Apportionment*)

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