



The Medication Learning Company  
Update. Inform. Educate.



PHARMACY  
TECHNICIANS  
UNIVERSITY  
PTU ELITE: CSPT®  
PREP PROGRAM

PREPARE YOUR TECHS FOR SUCCESS ON  
THE PTCB STERILE COMPOUNDING EXAM

The *Pharmacy Technicians University (PTU)* Elite CSPT® (Compounded Sterile Preparation Technician) Prep Program provides an efficient and affordable program to prepare your PTCB-certified techs to pass the PTCB CSPT® exam. This new online exam prep program includes didactic and simulation courses on essential compounding knowledge standards, and is convenient, interactive, and easy to use.



## BENEFITS

- \* **Shorter Prep Time:** Trainees who complete this PTCB-recognized program can sit for the CSPT® exam with just 1 year of experience in compounded sterile preparation (versus the standard 3-year requirement)
- \* **High-Quality and Comprehensive:** Curriculum aligned with PTCB's high standards for CSPT® certification. Courses cover all relevant topics, including compliance requirements for USP <797> and USP <800>
- \* **Top Pass Rates:** PTU grads boast a 77% pass rate on the PTCE® exam — 20% higher than the national average

pharmacy  
technicians  
university® 

Now, currently-practicing, nationally-certified pharmacy technicians can participate in the *PTU* Elite CSPT® Prep Program, saving you money and saving your technicians time. Plus, you'll be better prepared for Board of Pharmacy audits and reviews, and to demonstrate your commitment to quality, medication safety, and a higher level of patient care.

The program curriculum includes 27 didactic hours and 32 simulation hours. See reverse for complete curriculum list.

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<https://trchealthcare.com/contact-us>

# PTU ELITE: CSPT PREP PROGRAM CURRICULUM

## INTRODUCTION

- \* Introduction & Orientation
- \* CSPT Training Questionnaire

## BASIC PHARMACEUTICS

- \* Parenteral Dosage Forms
- \* Ratios
- \* Proportions

## DOSAGE CALCULATIONS

- \* Weight-Based Dosages
- \* Dosage Calculations: Parenterals
- \* Dosage Calculations: Milliequivalents and Units

## COMPOUNDING CALCULATIONS I

- \* Compounding Calculations
- \* Percentage Calculations
- \* Drug Concentration Calculations
- \* Dilution Calculations

## COMPOUNDING CALCULATIONS II

- \* Infusion Calculations
- \* Alligation Calculations

## PHARMACOLOGY REFERENCES

- \* CSPT<sup>®</sup> Medications List
- \* Pharmacology Key Points Reference
- \* Injectable Anticoagulants
- \* Dispensing Insulin and Other Injectable Medications

## MEDICATION SAFETY

- \* Safety Data Sheets

## INSTITUTIONAL PHARMACY PRACTICE

- \* Hospital: Medication Preparation
- \* Hospital: Medication Delivery
- \* Medication Disposal in the Hospital
- \* Dispensing Medications for Surgeries
- \* Medication Delivery in the Hospital
- \* Using Barcodes
- \* Hospital: Patient Safety Practices

## REVIEW

- \* CSPT Practice Exam

## STERILE COMPOUNDING I

- \* Sterile Compounding
- \* Sterile Compounding: Personal Protective Equipment
- \* Sterile Compounding: Aseptic Handwashing
- \* Simulation: Aseptic Hand Washing
- \* Sterile Compounding: The Laminar Flow Hood
- \* Laminar Flow Hood Simulation

## STERILE COMPOUNDING II

- \* Sterile Compounding: Syringes and Needles
- \* Sterile Compounding: Supplies and Equipment
- \* Preparation of Sterile Compounds
- \* Using Aseptic Technique for Sterile Compounding
- \* Quality Standards and Requirements
- \* Maintaining Environmental Processes for Sterile Compounding
- \* Simulation: IV Fluid Preparation
- \* Simulation: IV Piggyback
- \* Simulation: IV Push
- \* Simulation: Manipulate Ampules
- \* Simulation: Reconstitute Lyophilized Powder
- \* Simulation: Parenteral Nutrition

## STERILE COMPOUNDING SUPPLEMENTAL RESOURCES

- \* ASHP's Guidelines on Compounding Sterile Preparations
- \* ISMP's Guidelines for Safe Preparation of Compounded Sterile Preparations

## CHEMOTHERAPY COMPOUNDING

- \* Chemotherapy Overview
- \* Chemotherapy Prep
- \* Simulation: Chemotherapy Agent Preparation

## HAZARDOUS MEDICATION HANDLING

- \* ASHP's Guidelines on Handling Hazardous Drugs
- \* NIOSH List of Antineoplastic and Other Hazardous Drugs

## DRUG INFORMATION RESOURCES

- \* Package Inserts Part I
- \* Package Inserts Part II
- \* Drug Information Resources

### TRC Healthcare

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