

# Why Consider a Career as a Healthcare Professional?





**Aging population**

**More therapies are being  
discovered**



**Greater demand and growth for  
healthcare professionals**

# What is a Pharmacy Technician?

**Pharmacy technicians work closely with pharmacists, nurses, and doctors to safely prepare medications for patients:**

- ▣ Prepare and dispense prescriptions
- ▣ Review prescriptions for accuracy and safety
- ▣ Package and label prescribed medications
- ▣ Process insurance claims
- ▣ Track and manage inventory
- ▣ Prepare compounded medications using sterile and non-sterile processes
- ▣ Fill automated dispensing machines





## Program Description

- **Objective:** This course will prepare students to take the Pharmacy Technician Certification Board (PTCB) Exam. The curriculum and training content is designed to align with PTCB exam competencies.
- **Program Structure:** Flexible hybrid classrooms. (Live online classroom + self-paced online learning)
- **Program Length:** One 3-hour live class per week for 15 weeks
  - 45 hours of live instruction
  - 155 hours of self-paced learning and assignments
- **Technologies Included:**
  - Student and instructor learning portals (LMS)
  - Live virtual classrooms
  - Self-paced narrated and interactive online lectures
  - Digital self-scoring practice exams



# What is a Hybrid Classroom?

- It combines live virtual learning + self-paced online learning
- Allows students to consume lecture material at their own pace
- Students come prepared and teachers can support students in better understanding the concepts through practical application and deeper discussions

# Pharmacy Technician Certification Curriculum

The Pharmacy Technician Certification Program is divided into four modules:

## PHARMACY PRACTICE:

Studies the practice of pharmacy and provides an overview of the American healthcare system with an emphasis on the role of the pharmacy technicians and their relationship with pharmacists.

## DISEASES & THERAPEUTICS:

Examines basic anatomy and physiology in order to provide proper context for discussing the common diseases that are treated by the Top 200 prescription drugs.



## PHARMACEUTICAL

**CALCULATIONS:** Covers fundamental and advanced math concepts used in pharmacy. Accurately performing pharmaceutical calculations is a critical component in providing patient care in every pharmacy practice environment.



## INTEGRATED THEORY SEMINAR:

Incorporates key concepts from the other modules into rich case-studies and discussions, enabling students see the application of these concepts in the practice of pharmacy.

# Program Structure

The screenshot shows the pharmassist LMS interface. At the top, there is a navigation bar with 'Home', 'Courses', 'Groups', and 'Resources'. The user 'Andrew Lam' is logged in. The course path is 'CUNY/CSI: 2013: Summer/A > Class 4: July 31 > HOMEWORK - Week 4'. The current module is 'Respiratory System'. The lecture title is 'Lecture: Respiratory System'. The video player shows a slide titled 'Asthma' with tabs for 'OVERVIEW', 'CAUSES', 'FORMULATIONS', and 'TREATMENTS'. The 'FORMULATIONS' tab is active, displaying a table with three columns: 'Inhaler (Aerosol)', 'Inhaler (Dry Powder)', and 'Tablet'. Each column has an 'EXAMPLE' row with an image and a 'NOTES' row with text. Below the video player, there is a password field containing 'The password for this module is: qazwsx'. At the bottom, there are 'LEARNING OBJECTIVES' and two numbered questions.

FORMULATION	Inhaler (Aerosol)	Inhaler (Dry Powder)	Tablet
EXAMPLE	Vertin HFA®	Advair Diskus®	Singular®
IMAGE			
NOTES	<ul style="list-style-type: none"> <li>Delivers a specific amount of medication in aerosol form</li> <li>HFA is a chemical used in aerosol inhalers</li> </ul>	<ul style="list-style-type: none"> <li>Releases a dose of powdered medication that is inhaled through the inhaler</li> </ul>	<ul style="list-style-type: none"> <li>Taken by mouth</li> </ul>

**LEARNING OBJECTIVES**

After you view this lecture, you should be able to answer the following questions:

1. Name three conditions that affect the respiratory system that were covered in this lecture.
2. Name examples of drugs that are used to treat these diseases that were covered in this lecture.

## Novel instructional methods

- Blended Learning
- Flipped Classroom

An example of a Diseases & Therapeutics module



# Frequently Asked Questions

- ❑ Time to complete the program? 15 weeks
- ❑ Required course materials? Computer with internet access and Mosby's 5<sup>th</sup> Pharmacy Technician Textbook
- ❑ What is the passing grade?  $\geq 75\%$
- ❑ Are there homework assignments? Weekly assignments that consist of self-paced learning modules, reading the textbook, and answering review questions
- ❑ Do we provide job assistance or coaching? Yes
- ❑ Where can I work? In a variety of healthcare settings that include community pharmacies and hospital pharmacies

# Didactic to Experiential Learning



## Pharmacy Technician Certification Program

15 weeks, 200 didactic hours training program (45-hrs live, 155-hrs online)

Goal: To provide structured didactic coursework through online and live lectures, training modules and recitations



## Community Pharmacy Externship

3-weeks, 120 live experiential hours within a community pharmacy

Goal: To provide a structured experiential learning experience within the community pharmacy practice setting



## Hospital Practice Externship

3-weeks, 120 live experiential hours within a hospital pharmacy

Goal: To provide a structured experiential learning experience within the institutional pharmacy practice setting