



# Pharmacy Technician

Program No: 31-536-1

Technical Diploma

Degree Completion Time: Two Terms

In general, an academic year consists of two terms; however, degree completion time may vary based on student scheduling needs and class availability.

2010-2011

Catalog No.	Class Title	Credit(s)
<b>Term 1</b>		
10501101	Medical Terminology	3.00
10510102	Health Insurance and Reimbursement	3.00
10536110	Pharmaceutical Calculations	3.00
10536112	Pharmacy Business Applications	4.00
10536115	Pharmacy Law	2.00
10536120	Fundamentals of Reading Prescriptions	1.00
10536138	Pharmacy Community Clinical	2.00
	<b>Total</b>	<b>18.00</b>
<b>Term 2</b>		
10536122	Pharmacology	3.00
10536124	Pharmacy Drug Distribution Systems	1.00
10536126	Pharmacy Parenteral Admixtures	3.00
10801196	Oral/Interpersonal Communication	3.00
10809198	Psychology - Introduction to <b>Choice A (5 credits)</b>	3.00
10536140	Pharmacy Hospital Clinical	3.00
10536141	Hospital Clinical Lab <b>Choice B (5 credits)</b>	2.00
10536142	Pharmacy Community Clinical-Advanced	2.00
xxx-xxx	An Approved Business Course Such as: 104-102 Principles of Marketing 104-104 Selling Principles 182-108 Purchasing	3.00
	<b>Second Semester Total</b>	<b>18.00</b>
	<b>Program Total</b>	<b>36.00</b>

**Note:** Catalog numbers assigned to "elective" classes are for administrative use only. Consult with program counselor regarding your elective selection.

Program start dates vary; check with your counselor for details.

Curriculum and program acceptance requirements are subject to change.

## About Shared Programs

LTC offers its Pharmacy Technician program in cooperation with technical colleges across the state. As a pharmacy technician student, you'll:

- Attend live, interactive TV classes sent from LTC to your local technical college.
- Receive laboratory training in local pharmacies.
- Participate in real-world, hands-on training during a 4-week clinical program.
- Take general studies classes at your local technical college.

## About the Career

If you're ill or injured, you have access to an enormous variety of therapeutic medications, and you trust your pharmacy to correctly interpret and fill your prescriptions. Pharmacy technicians contribute to our safety by assisting pharmacists in a variety of technical tasks. If you're attentive to detail, organized, a good communicator, and like math, science, and working with people, a career as a pharmacy technician may be your prescription for success.

## Careers

- Home IV Specialist
- Pharmacy Technician employed at:
  - Community Pharmacies
  - Hospital Pharmacies
  - Nursing Home Pharmacies

## Admissions Steps

- Application
- Application Fee
- Entrance Assessment Scores
- Transcripts
- Background Check
- Program Advising Session
- Health/TB/Tetanus Form
- Student Handbook/Essential Functions Completion
- Notice of Rights and Authorization to Release Confidential Educational Records

## Program Goals

You'll learn to:

- Package and label drugs for prescription dispensing.
- Prepare and deliver unit dose to the nursing services of hospitals or nursing homes.
- Prepare parenteral admixtures under aseptic and sterile conditions.
- Receive and inventory drug shipments.
- Maintain records, including patient profiles.
- Facilitate communications for third-party reimbursement.

- Compound solutions, ointments, lotions, suppositories, and other medications.
- Comprehend and utilize medical and drug terminology common to the pharmaceutical environment.
- Practice ethical standards and recognize legal implications of your actions as they relate to yourself, the pharmacist, and the pharmacy.

## Other Program Expectations

You'll need to have CPR certification (one- and two-person, adult, child and infant) required prior to starting clinicals.

## Approximate Costs

- \$107 per credit (resident)
- \$158 per credit (out-of-state resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.)
- See counseling for complete listing.

## Graduation Requirements

Students must attain a "C" or better in all required classes and maintain a grade point average of 2.0 or above to be eligible for graduation.

## Entrance Assessment Scores

Assessment Areas	ACT	Accuplacer
Math	18	79
Read	18	79
Write	18	88

## Functional Abilities

Functional abilities are the basic duties that a student must be able to perform with or without reasonable accommodations. At the postsecondary level, students must meet these requirements, and they cannot be modified.

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**10501101 Medical Terminology**

...prepares the learner to use appropriate medical terminology for the digestive, urinary, integumentary, reproductive, respiratory, endocrine, nervous, musculoskeletal, cardiovascular, and lymphatic systems and special senses.

**10510102 Health Insurance and Reimbursement**

...introduces the learner to Federal, state, and private health insurance plans and managed care systems; and surveys the coding, submission and processing cycle of claims, as well as reimbursement methods used by payers. It provides application of information to ambulatory settings, pharmacies, hospitals, and long term care.

**10536110 Pharmaceutical Calculations**

...prepares the learner to enlarge and reduce formulas and solve proportions, dilutions, allegations, and other calculations pertinent to the preparation of pharmaceuticals using metric, apothecary, avoirdupois, and household measuring systems.

*CONDITION: 315361 Pharmacy Technician Admission Requirements Met*

**10536112 Pharmacy Business Applications**

...prepares the learner to utilize pharmaceutical business terminology, procedures, customer service, record keeping, purchasing procedures, inventory control systems, pricing, merchandising, reference materials, ethics, roles, responsibilities, and relationships with patients and coworkers.

*COREQUISITE: 10536138 Pharmacy Community Clinical; CONDITION: 315361 Pharmacy Technician Admissions Requirements Met*

**10536115 Pharmacy Law**

...introduces the learner to federal and state regulations that apply to pharmacy practice.

*CONDITION: 315361 Pharmacy Technician Admission Requirements Met*

**10536120 Fundamentals of Reading Prescriptions**

...prepares the learner to work in a community or hospital pharmacy by exploring the role of a pharmacy technician within the healthcare team; examining each step in the prescription filling process; and identifying the top 200 drugs by brand and generic name and therapeutic class.

*CONDITION: 315361 Pharmacy Technician Admission Requirements Met*

**10536122 Pharmacology**

...enhances the learner's ability to act and react appropriately in the pharmacy by learning how drugs work through examination of the anatomy, physiology, pathophysiology, and drug therapy for each of the major systems.

*CONDITION: 315361 Pharmacy Technician Admission Requirements Met*

**10536124 Pharmacy Drug Distribution Systems**

...is an introductory study of the basic drug distribution systems used in community and institutional pharmacy, including automation technology, pharmacist and pharmacy technician roles, and dispensing considerations.

*CONDITION: 315361 Pharmacy Technician Admission Requirements Met*

**10536126 Pharmacy Parenteral Admixtures**

...provides the learner with the skills to utilize aseptic technique in vertical and horizontal laminar flow hoods for preparation of solutions and medications to be administered intravenously, intramuscularly, subcutaneously, and intradermally to patients.

*PREREQUISITE: 10536110 Pharm Calculations and CONDITION: 315361 Pharmacy Technician Admission Requirements Met*

**10536138 Pharmacy Community Clinical**

...provides hands-on experience in a community pharmacy for 108 hours during quarter two. Areas of instruction include interpretation of prescriptions, entering prescriptions on computer, patient profiles, correctly filling and labeling prescriptions, billing patient and third parties, customer service, over-the-counter medications, purchasing, checking in deliveries, and inventory control, compounding and patient confidentiality.

*COREQUISITES: 10536120 Fund of Reading Prescriptions, 10536112 Pharmacy Bus Appls, 10536110 Pharmaceutical Calculations and 10501102 Health Ins & Reimbursement and CONDITION: 315361 Pharmacy Technician*

**10536140 Pharmacy Hospital Clinical**

...provides the learner with the skills to prepare parenteral admixtures, fill medication carts and unit-dose drawers, control inventory, package medications, and maintain patient records in the hospital setting.

*PREREQUISITES: 10536138 Pharmacy Community Clinical, 10536110 Pharmacy Calculations; COREQUISITES: 10536141 Hospital Clinical Lab; 10536126 Pharmacy Parenteral Admixtures; CONDITION 315361 Pharmacy Technician Admission Requirements Met*

**10536142 Pharmacy Community Clinical-Advanced**

...expands the learners ability to support community pharmacy services in areas of diabetes services, immunization programs, durable medical equipment, automated dispensing systems, patient education, and over-the-counter products, in addition to traditional community services. This course involves a hands-on component in a community pharmacy and a research component.

*PREREQUISITE: 10536138 Pharmacy Community Clinical, CONDITION 315361 Pharmacy Technician Admission Requirements Met*

**10801196 Oral/Interpersonal Comm**

...provides students with the skills to develop speaking, verbal and nonverbal communication, and listening skills through individual speeches, group activities, and other projects.

**10809198 Intro to Psychology**

...introduces students to a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.