

PHARMACY TECHNICIAN



PROGRAM OUTCOMES

Employers will expect you, as a Pharmacy Technician graduate, to be able 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 communication 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

CAREER OPTIONS

Home IV Specialist
Pharmacy Technician employed at
Community Pharmacies, Hospital
Pharmacies, Nursing Home Pharmacies

*Potential advancement generally
requires further education.*

Program Code 31-536-1

Expected Program Costs: Contact Lakeshore Technical College

Median Annual Salary: \$24,000

OVERVIEW

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. Students will also receive both lab and actual clinical experience.

Core program courses are offered via Instructional Television (ITV) hosted by Lakeshore Technical College and are supported by select classes available in the MSTC District.

ADMISSIONS PROCEDURES

To apply to the Pharmacy Technician program, please submit the following to Lakeshore Technical College:

1. Complete a WTCS application form and return it with the \$30 non-refundable application fee. Check is payable to LTC.
2. Complete the Accuplacer or ACT test. Minimum scores required:
 - Reading-Accuplacer score of 79
 - Sentence Skills-Accuplacer score of 88
 - Math-Accuplacer score of 79
 - ACT equivalents for above scores are acceptable.If a student does not meet the required test scores, they may retest or complete an identified structured course(s) in the Academic Support Center.
3. Submit an official copy of all academic transcripts, including high school, college or university and HSED/GED.
4. Complete a Background Information Disclosure (BID) form and submit \$16 for Caregiver Background check. The Wisconsin Caregiver Law requires a background check.
5. Complete a Health form and immunization records.
6. Read, sign and return the Functional Abilities Statement of Understanding form.
7. Read, sign and return the sign-off sheet for the Pharmacy Technician Program Handbook.
8. Complete a telephone program advising session with LTC Counselor.

9. Upon receipt of the above materials, you will be accepted to Lakeshore Technical College (LTC). LTC will then notify you of additional program requirements.

**Lakeshore Technical College
Admissions
1290 North Avenue
Cleveland, WI 53015-1414
888.GO TO LTC • 888.468.6582**

**Mid-State Technical College
Admissions
500 32nd Street North
Wisconsin Rapids, WI 54494**

CREDIT FOR PRIOR LEARNING

Credit for Prior Learning is available for certain courses in the form of high school advanced standing, transfer credit, test credit, military experience and experiential credit. Please contact an MSTC counselor with any questions you may have regarding this option.

CLINICAL RELATED REQUIREMENTS

Clinical sites have the right to refuse a student's admission based on conviction records. If you have a criminal history, you may not be able to complete clinical courses. Also, clinical agencies will be notified of all students with pending charges and convictions and agencies can decline student admission to that agency. You may contact the program counselor for more details.

PROGRAM COURSE DESCRIPTION

**10104102 // 3 credits
Principles of Marketing**

Introduces the student to the consumer decision process model, the bases used to segment a market, basic concepts about goods, services, and ideas, the nature of supply chain and distribution, integrated marketing communications, and the stages of the product life cycle and their impact on the marketing mix. *Corequisite: Microsoft Word and PowerPoint skills or equivalent or 10103109 Pharmacy Word 2000-Intro or Condition: Admn Asst requirements met or 105361 Pharm*

**10104104 // 3 credits
Selling Principles**

Prepares the student to use the steps of the selling process to perform sales presentations.

**10182108 // 3 credits
Purchasing**

Introduces the participant to basic purchasing, quality specifications, inventory control, supplier selection, price aspects, research and measurement, and global purchasing. This course is exciting for anyone interested in working in a challenging and rewarding purchasing and supply chain management career.

**10501101 // 3 credits
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 // 3 credits
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 // 3 credits
Pharmaceutical Calculations**

Prepares the learner to enlarge and reduce formulas and solve proportions, dilutions, alligations, 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 // 4 credits
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 // 2 credits
Pharmacy Law**

Introduces the learner to federal and state regulations that apply to pharmacy practice. *Condition: 315361 Pharmacy Technician Admission Requirements Met*

**10536120 // 1 credit
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 // 3 credits
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*

CURRICULUM

Term		(18 credits)
10501101	Medical Terminology	3
10510102	Health Insurance and Reimbursement	3
10536110	Pharmaceutical Calculations	3
10536112	Pharmacy Business Applications	4
10536115	Pharmacy Law	2
10536120	Fundamentals of Reading Prescriptions	1
10536138	Pharmacy Community Clinical	2

Term		(18 credits)
10536122	Pharmacology	3
10536124	Pharmacy Drug Distribution Systems	1
10536126	Pharmacy Parenteral Admixtures	3
10801196	Oral/Interpersonal Communication	3
10809198	Intro to Psychology	3

Choice A		(5 credits)
10536140	Pharmacy Hospital Clinical	3
10536141	Hospital Clinical Lab	2

Choice B		(5 credits)
10536142	Pharmacy Community Clinical-Advanced	2

An approved business course from LTC such as:
 10104102 Principles of Marketing **-or-**
 10104104 Selling Principles **-or-**
 10182108 Purchasing **-or-** 3

Total Credits 36

- Please Note:
- The Pharmacy Technician program has August and January start dates. We advise you to meet with an academic advisor or counselor to successfully plan your academic schedule.
 - This curriculum sequence is only for student planning. Actual student schedules will vary depending on course availability.
 - Degree completion time may vary based on student scheduling and course availability.
 - For General Education course descriptions (800 level), see section marked under Course Descriptions.

PHARMACY TECHNICIAN

10536124 // 1 credit

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 // 3 credits

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 or 10536193 Calculations for Working Pharmacy Technicians and Condition: 315361 Pharmacy Technician Admission Requirements Met

10536138 // 2 credits

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 or 10536193 Calculations for Working PT and 10501102 Health Ins & Reimbursement and Condition: 315361 Pharmacy Technician

10536140 // 3 credits

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

10536141 // 2 credits

Hospital Clinical Lab

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 and provides experience with institutional drug delivery systems including the unit-dose system.

Prerequisites: 10536138 Pharmacy Community Clinical; Corequisites: 10536140 Pharmacy Hospital Clinical; 10536126 Pharmacy Parenteral Admixtures; Condition 315361

10536142 // 2 credits

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.