



Wayne  
County  
Community  
College  
District

# Pharmacy Technology

## ABOUT THE PROGRAM

The Pharmacy Technology Associate of Applied Science Degree and Certificate Programs are designed to prepare students for entry-level positions in general pharmaceutical services under the direct supervision of a licensed pharmacist.

## WHAT DO PHARMACY TECHNICIANS DO?

The pharmacy technician's responsibilities may include the preparation of medicines, the dispensing of medicines, transcription of physician orders, preparation of intravenous medications, and maintaining inventory and patient profiles. Pharmacy technicians working in hospitals and other medical facilities prepare a greater variety of medications, such as intravenous medications. They may make rounds in the hospital, giving medications to patients.

## WHERE DO THEY WORK?

Pharmacy technicians held about 420,400 jobs in 2018. They worked primarily in pharmacies, including those found in grocery and drug stores, and in hospitals. Pharmacy technicians spend most of the workday on their feet.

- Pharmacies and drug stores 52%
- Hospitals; state, local and private 17%
- Grocery stores 8%
- Other general merchandise stores 8%



## PAY

The median annual wage for pharmacy technicians was \$33,950 in May 2019.

## JOB OUTLOOK

Employment of pharmacy technicians is projected to grow 7 percent from 2018 to 2028, faster than the average for all occupations. Several factors will lead to increased demand for prescription medications. As a result of advances in pharmaceutical research, more prescription medications are being used to fight diseases. Also, the number of older people is growing, and older people use more prescription drugs than younger people.

*Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, April 2020, Pharmacy Technicians, on the Internet at <http://www.bls.gov/ooh/healthcare/pharmacy-technicians.htm>*

*More information about the pharmacy technician profession, licensure, and certification can be found at: <https://www.ptcb.org/> (Pharmacy Technician Certification Board) [http://www.michigan.gov/lara/0,4601,7-154-72600\\_72603\\_27529\\_27548---,00.html](http://www.michigan.gov/lara/0,4601,7-154-72600_72603_27529_27548---,00.html) (Michigan State Board of Pharmacy)*



## Recommended Sequence of Courses

### Pharmacy Technology: College Certificate

CR. No.	COURSE TITLE	CREDITS
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#### PREREQUISITE COURSES

PHT 100	Introduction to Pharmacy Technology . . . . .	3
<b>PREREQUISITE TOTAL . . . . .</b>		<b>3</b>

CR. No.	COURSE TITLE	CREDITS
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#### SEMESTER 1

PHT 105	Orientation to Pharmacy Technology . . . . .	5
PHT 115	Pharmaceutical Interpretations and Calculations . . . . .	5
<b>SEMESTER TOTAL . . . . .</b>		<b>10</b>

#### SEMESTER 2

PHT 120	Drug Distribution Systems and Pharmacology . . . . .	5
PHT 135	Pharmacy Practice Settings . . . . .	5
<b>SEMESTER TOTAL . . . . .</b>		<b>10</b>

#### SEMESTER 3

PHT 155	Pharmacy Technology Practicum . . . . .	7
PHT 220	Pharmacy Capstone Course . . . . .	5
<b>SEMESTER TOTAL . . . . .</b>		<b>12</b>
<b>CERTIFICATE TOTAL . . . . .</b>		<b>35</b>

*Note: Certificate total hours may not include prerequisites.*

### Pharmacy Technology:

#### Associate of Applied Science Degree

CR. No.	COURSE TITLE	CREDITS
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#### PREREQUISITE COURSES

PHT 100	Introduction to Pharmacy Technology . . . . .	3
BIO 155	Introductory Biology . . . . .	4
ENG 119	English I . . . . .	3
PS 101	American Government . . . . .	3
BUS 225	Computer Applications in Business . . . . .	3
<b>PREREQUISITE TOTAL . . . . .</b>		<b>16</b>

CR. No.	COURSE TITLE	CREDITS
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#### SEMESTER 1

PHT 105	Orientation to Pharmacy Technology . . . . .	5
PHT 115	Pharmaceutical Interpretations and Calculations . . . . .	5
BIO 240	Human Anatomy and Physiology I . . . . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

#### SEMESTER 2

PHT 120	Drug Distribution Systems and Pharmacology . . . . .	5
PHT 135	Pharmacy Practice Settings . . . . .	5
BIO 250	Human Anatomy and Physiology II . . . . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

#### SEMESTER 3

PHT 155	Pharmacy Technology Practicum . . . . .	7
PHT 220	Pharmacy Capstone Course . . . . .	5
BIO 295	Microbiology . . . . .	4
<b>SEMESTER TOTAL . . . . .</b>		<b>16</b>

#### SEMESTER 4

CHM 136	General Chemistry I . . . . .	4
MAT 155	College Algebra . . . . .	4
ECO 101	Principles of Economics I . . . . .	3
PHL 211	Introduction to Logic . . . . .	3
<b>SEMESTER TOTAL . . . . .</b>		<b>14</b>

#### SEMESTER 5

BIO 252	Pathophysiology . . . . .	4
CHM 145	General Chemistry II . . . . .	4
MAT 156	Trigonometry . . . . .	4
ENG 120	English II . . . . .	3
—OR—		
ENG 270	Professional and Technical Writing . . . . .	3
<b>SEMESTER TOTAL . . . . .</b>		<b>15</b>

**A.A.S. PROGRAM TOTAL . . . . .89**

*Note: Program total hours may not include prerequisites.*