Florida Department of Education
Curriculum Framework

The standards and benchmarks for this program were updated for the 2026-27 academic year.

Program Title: **Pharmacy Technician**
Program Type: **Career Preparatory**
Career Cluster: **Health Science**

Career Certificate Program		
Program Number	H170500	
CIP Number	0351080506	
Grade Level	30, 31	
Program Length	1050 hours	
Teacher Certification	Refer to the **Program Structure** section.	
CTSO	HOSA, SkillsUSA	
SOC Codes (all applicable)	For program SOC codes, please see the Program and Course Tables section of the CTE Program Resources page linked below.	
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.stml	
Basic Skills Level	Computation (Mathematics): 11	Communications (Reading and Language Arts): 10

Purpose

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Health Science career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of Health Science career cluster. The program is designed to prepare students for employment as pharmacy technicians.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the health care industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.

The content includes but is not limited to metric system, medical terminology, medicinal drugs, pharmaceutical compounding, USP 795 standards, sterile techniques, USP 797 and USP 800 standards, maintenance of inventory, IV preparation, receiving and handling of hazardous materials, preparing purchase orders, receiving and checking supplies purchased, printing labels, typing prescription labels, delivering medications, pricing

prescription drug orders and supplies, prepackaging unit dose packages, patient record systems, control records, data processing automation in pharmacy, computer application, employability skills, leadership and human relations skills, health and safety, including CPR.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Program Structure

This program is a planned sequence of instruction consisting of 2 occupational completion points.

This program is comprised of courses which have been assigned course numbers in the SCNS (Statewide Course Numbering System) in accordance with Section 1007.24 (1), F.S. Career and Technical credit shall be awarded to the student on a transcript in accordance with Section 1001.44(3) (b), F.S.

To teach the courses listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the postsecondary program structure:

OCP	Course Number	Course Title	Teacher Certification	Length
A	HSC0003	Basic Healthcare Worker	PHARMACY 7G	90 hours
B	PTN0084	Pharmacy Technician 1		360 hours
	PTN0085	Pharmacy Technician 2		300 hours
	PTN0086	Pharmacy Technician 3		300 hours

Regulated Programs

This program is regulated by the Department of Health, Florida Board of Pharmacy.

This program must be approved by the Board of Pharmacy. Program completers who wish to work as Pharmacy Technicians in the State of Florida must register with the Board of Pharmacy (465.014, F.S.).

Florida's Career Readiness Skills for CTE Programs

Employability Skills	
01.0	Apply academic skills to workplace scenarios.
01.01	Use reading skills.
01.02	Use writing skills.
01.03	Use mathematical strategies and procedures.
01.04	Use scientific principles and procedures.
02.0	Design a solution to an industry problem.
02.01	Use critical thinking.
02.02	Use creativity.
02.03	Make sound decisions.
02.04	Solve problems.
02.05	Reason.
02.06	Plan and organize.
03.0	Manage resources within an industry project
03.01	Manage time.
03.02	Manage money or resources.
03.03	Manage materials.
03.04	Manage personnel.
04.0	Oversee the subcomponents, operations and output of a technical or organizational system.
04.01	Manage systems.
04.02	Monitor systems.
04.03	Improve systems.
05.0	Use information for decision making.
05.01	Locate information.
05.02	Organize information.
05.03	Use information.

	05.04 Analyze information.
	05.05 Communicate information.
06.0	Apply relevant technology to workplace scenarios to aid productivity.
	06.01 Use technology.
07.0	Interpret and express interpersonal communication.
	07.01 Communicate verbally.
	07.02 Listen actively.
	07.03 Comprehend written material.
	07.04 Convey information in writing.
	07.05 Communicate nonverbally.
	07.06 Interpret nonverbal communication.
08.0	Interact with others to accomplish workplace goals.
	08.01 Collaborate with others in a team.
	08.02 Respond to customer needs.
	08.03 Exercise leadership.
	08.04 Negotiate to resolve conflict.
	08.05 Respect others.
09.0	Manage personal behavior to maximize productivity and professional growth.
	09.01 Demonstrate responsibility and self-discipline.
	09.02 Adapt and show flexibility.
	09.03 Work independently.
	09.04 Demonstrate a willingness to learn.
	09.05 Demonstrate integrity.
	09.06 Demonstrate professionalism.
	09.07 Take initiative.
	09.08 Display positive attitude.
	09.09 Take responsibility for professional growth.

Job Attainment	
10.0	Find, assess and apply to job opportunities.
10.01	Identify online job posts relevant to his or her career aspirations.
10.02	Compare and contrast the job posts' required qualifications, job duties, compensation, benefits and employers.
10.03	Define what information, documentation and writing prompts are required for the positions.
11.0	Communicate personal competence, character and fit for a job opportunity.
11.01	Develop a resume.
11.02	Write a cover letter.
11.03	Curate a professional portfolio that includes work products.
11.04	Prepare for and experience a mock job interview.
12.0	Cultivate and leverage relationships to professionally advance.
12.01	Request a signed reference letter, letter of recommendation and/or an online skill/professionalism endorsement.
12.02	Develop a plan to cultivate a professional digital footprint.
12.03	Develop a networking plan for a specific industry of interest.

Standards

After successfully completing this program, the student will be able to perform the following:

01.0 Demonstrate knowledge of the healthcare delivery system and health occupations.
02.0 Demonstrate the ability to communicate and use interpersonal skills effectively.
03.0 Demonstrate legal and ethical responsibilities.
04.0 Demonstrate an understanding of and apply wellness and disease concepts.
05.0 Recognize and practice safety and security procedures.
06.0 Recognize and respond to emergency situations.
07.0 Recognize and practice infection control procedures.
08.0 Demonstrate an understanding of information technology applications in healthcare.
09.0 Demonstrate employability skills.
10.0 Demonstrate knowledge of blood-borne diseases, including HIV/AIDS.
11.0 Apply basic math and science skills.
12.0 Practice professional pharmacy relational skills.
13.0 Identify medical and legal considerations in various pharmacy settings.
14.0 Perform clerical duties as related to Pharmacy Practice.
15.0 Demonstrate knowledge of medication safety and prevention of medication errors.
16.0 Demonstrate knowledge of inventory management.
17.0 Initiate measurement and calculating techniques as they relate to United States Pharmacopeia (USP) 795 (non-sterile) compounding in pharmacy practice.
18.0 Demonstrate basic knowledge and skills in areas of anatomy/ physiology, pharmacology, and drug classification relevant to pharmacy technicians.
19.0 Prepare and deliver medications.
20.0 Repackage unit-dose medications.
21.0 Prepare United States Pharmacopeia (USP) 797 and USP 800 sterile products.

Florida Department of Education
Student Performance Standards

Program Title: **Pharmacy Technician**
Career Certificate Program Number: **H170500**

The **Basic Health Care Worker (HSC0003)** is referred to as the **Health Science Core** and is the first OCP in the majority of the Career Certificate Program health science programs. Secondary and Postsecondary students completing the health science core will not have to repeat the core in any other health science program in which it is a part. When the recommended sequence is followed, the structure allows students to complete at specified points for employment or remain for advanced training or cross-training.

Course Number: HSC0003
Occupational Completion Point: A
Basic Healthcare Worker – 90 Hours

To ensure consistency whenever these courses are offered, the health science core standards (1-11) and benchmarks have been placed in a separate document. To access this document, visit this link:
https://www.fldoe.org/file/20894/health-sci-core-psav-cc-2627.rtf

Course Number: PTN0084
Occupational Completion Point: B
Pharmacy Technician 1 – 360 Hours

12.0	Practice professional pharmacy relational skills. The student will be able to:
12.01	Explore the meaning, organizational flow, and duties of pharmacy personnel.
12.02	Identify pharmacy organizations and their role in the profession, to include student membership opportunities.
12.03	Identify the current trends and perspectives in the pharmacy practice.
12.04	Describe how team building can facilitate change within the pharmacy working environment.
12.05	Understand the importance of good interpersonal skills/soft skills in various pharmacy settings.
12.06	Explain ethical conduct in job-related activities.
12.07	Identify State of Florida requirements for obtaining and maintaining pharmacy technician registration, as well as continuing education requirements for renewal.
12.08	Explore the importance of national certification and the continuing education requirements for renewal.
13.0	Identify medical and legal considerations in various pharmacy settings. The student will be able to:

13.01	Articulate the significance of current national and Florida law, medical legal concepts, and administrative rules as they relate to the scope of practice for the pharmacy technician.
13.02	Demonstrate an understanding of current vaccines and their guidelines.
13.03	Convey an understanding of patient counseling requirements pertaining to OBRA-90 versus Medication Therapy Management (MTM).
13.04	Explain the legal requirements for accurate pharmacy documentation and recordkeeping.
13.05	Demonstrate an understanding of HIPAA in pharmacy practice pertaining to the ethical and legal considerations.
13.06	Convey an understanding of pertinent laws governing pharmacy practice, including but not limited to prescriptions, drug diversion, and use of E-FORCSE PDMP requirements.
13.07	Differentiate between controlled substance schedules (CI-CV) and their applicable regulations.
13.08	Convey an understanding of the Florida Right to Know Act with respect to P-listed drugs in addition to hazardous materials, the utilization of safety data sheets, and hazardous communication symbols.
13.09	Understand and explain activities that may be performed by pharmacy technicians and those that must be performed by licensed pharmacists, including final check.
13.10	Explain the importance of technology and its current use in various pharmacy settings.
13.11	Utilize emerging technologies such as AI to cross-reference reports with dispense/administration history to address unaccounted medications.
14.0	Perform clerical duties as related to Pharmacy Practice. The student will be able to:
14.01	Utilize pharmaceutical medical terminology.
14.02	Identify the major symbols and abbreviations used on prescriptions and state the meaning.
14.03	Utilize pharmacy reference manuals or websites.
14.04	Demonstrate retail pharmacy dispensing processes.
14.05	Utilize pharmacy software in processing pharmacy prescription data.
14.06	Identify and discuss applications of E-Prescribing and facsimile.
14.07	Utilize and apply interactive communication skills while gathering accurate information from patients and other healthcare professionals.
14.08	Create, complete, and maintain patient profiles, including third-party billing information.
14.09	Understand the processes of PBMs and third-party billing, resolving rejections, and obtaining prior authorizations.
14.10	Demonstrate professional communication skills within the scope of practice for the pharmacy technician.

	14.11 Demonstrate knowledge of systems used in maintaining pharmacy records.
15.0	Demonstrate knowledge of medication safety and prevention of medication errors. The student will be able to:
	15.01 Identify communication modalities that can result in the transmission of inaccurate information and explain specific ways to make improvements.
	15.02 Convey an understanding of the patient's Bill of Rights for medication administration as it relates to pharmacy practice.
	15.03 Identify and explain appropriate patient safety goals by applicable accrediting and regulatory organizations.
	15.04 Identify potential errors that may result in quality-related events (QRE) and explain specific ways they can be prevented.
	15.05 Describe safety strategies used to prevent medication errors due to pharmaceutical abbreviations and terminology.
	15.06 Summarize, evaluate, and describe the technician's role in quality assurance activities as related to various pharmacy practices.
16.0	Demonstrate knowledge of inventory management. The student will be able to:
	16.01 Convey an understanding of industry standards in purchasing pharmaceutical supplies.
	16.02 Demonstrate how to maintain a controlled substance inventory.
	16.03 Understand pharmacy business math in prescription pricing systems.
	16.04 Maintain stock inventory, communicate shortages, and seek solutions to maintain continuity of patient care.
	16.05 Understand the process of how to create electronic purchase orders.
	16.06 Accurately perform the process of purchasing, receiving, special handling, storing, distributing, and disposing of pharmaceutical supplies.
	16.07 Convey an understanding of recall management and know the differences between types of recalls and how to address them.
	16.08 Convey an understanding of the inventory control process implemented by Title II of the Drug Quality and Security Act.
17.0	Initiate measurement and calculating techniques as they relate to United States Pharmacopeia (USP) 795 (non-sterile) compounding in pharmacy practice. The student will be able to:
	17.01 Convey an understanding of United States Pharmacopeia (USP) 795 standards.
	17.02 Convert measurements within the apothecary, avoirdupois, household, and metric systems.
	17.03 Perform common pharmaceutical calculations.
	17.04 Identify and utilize common pharmaceutical weighing equipment.

17.05	Identify and utilize common pharmaceutical volume measurement equipment.
17.06	Accurately demonstrate the technique of preparing common non-sterile pharmaceutical compounds.
17.07	Summarize, evaluate, and describe the technician's role in quality assurance activities as related to the preparation of non-sterile products.

Course Number: PTN0085 Occupational Completion Point: B Pharmacy Technician 2 – 300 Hours	
18.0	Demonstrate basic knowledge and skills in areas of anatomy/ physiology, pharmacology, and drug classification relevant to pharmacy technicians. The student will be able to:
18.01	Evaluate and apply anatomical terminology to describe the location of parts or areas of the body and related disease processes.
18.02	Define the major classifications of pharmaceuticals and conditions treated.
18.03	Demonstrate knowledge of trade and generic name equivalents.
18.04	Evaluate the pharmacy technician's understanding of pharmacology, including drug classifications, mechanisms of action, common side effects, and interactions.
18.05	Identify at least one official compendium of standards for quality and purity of drug monographs.
18.06	Convey an understanding of Investigational Drugs, Risk Evaluation and Mitigation Strategies (REMS), off-label indications, and emerging drug therapy.
18.07	Demonstrate an understanding of common adult doses of medications, duration of common drug therapies, and respective contraindications, including the BEERS Criteria.
18.08	Identify potential interactions that require a pharmacist's intervention pertaining to food/alcohol, herbal, OTC, and/or prescription medications.
18.09	Identify allergy histories during the medication reconciliation process and discern "allergy" vs "side effect" in optimizing care.
19.0	Prepare and deliver medications. The student will be able to:
19.01	Read and prepare medication orders correctly.
19.02	Demonstrate institutional pharmacy dispensing processes.
19.03	Compare all new orders with medications listed on profiles while noting any changes.
19.04	Utilize special precautions in the preparation of medications for pediatric patients.
19.05	Explain how to safely transport medications, being aware of hazards, theft, legal implications of accidental loss, and other consequences.

19.06	Understand how to correctly fill and deliver medication.
19.07	Collect data from the medication administration record.
19.08	Describe the use of automated medication dispensing equipment.

Course Number: PTN0086 Occupational Completion Point: B Pharmacy Technician 3 – 300-Hours	
20.0	Repackage unit-dose medications. The student will be able to:
20.01	Locate the correct stock container.
20.02	Describe the use of unit-dose packaging equipment.
20.03	Measure, count, and place the individual dose in appropriate containers.
20.04	Understand precautions used when packaging unit-dose hazardous drugs.
20.05	Record repackaged medication data correctly.
20.06	Summarize, evaluate, and describe the technician's role in quality assurance activities as related to repackaging unit-dose medication.
21.0	Prepare United States Pharmacopeia (USP) 797 and USP 800 sterile products. The student will be able to:
21.01	Convey an understanding of United States Pharmacopeia (USP) 797 regulations.
21.02	Convey an understanding of United States Pharmacopeia (USP) 800 regulations.
21.03	Compare the medication order with the label on the vial and check the expiration date of the product.
21.04	Calculate drug dosage for parenteral use.
21.05	Reconstitute parenteral medications.
21.06	Demonstrate aseptic technique to withdraw medication from stock vial, measure correct quantity as instructed, select and insert it into IV solution without error.
21.07	Demonstrate aseptic technique to withdraw medication from an ampule using a filter needle/straw.
21.08	Prepare parenteral solutions using proper aseptic technique.
21.09	Understand the preparation of Total Parenteral Nutrition (TPN) solutions.

21.10	Understand the preparation of chemotherapeutic agents using proper safety techniques.
21.11	Understand the appropriate technique while using specialized equipment such as laminar flow hoods, filters, pumps, automated compounders, and barrier isolators.
21.12	Place label on IV solution container and record appropriately.
21.13	Perform a quality control check of the completed product.
21.14	Convey an understanding of the proper storage and disposal requirements of reconstituted and non-reconstituted IV solutions.
21.15	Convey an understanding of the proper storage and disposal of hazardous drugs.
21.16	Summarize, evaluate, and describe the technician's role in quality assurance activities related to the preparation of sterile products.
21.17	Understand the concept of Diversion Surveillance to assist in recognizing controlled substances.

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools, and equipment, as well as experimental, quality, and safety procedures, are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate, and troubleshoot equipment/tools used to make observations. Students understand measurement error and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Clinical practicum experiences are an integral part of this program.

Special Notes

Due to the clinical experiences students are engaged in through the program, and to ensure the safety of both the students and the patients, the recommended student-to-instructor ratio in the classroom is 20:1 and in the lab is 4:1.

This program meets the Department of Health's education requirements for HIV/AIDS, Domestic Violence, and Prevention of Medical Errors. Although not a requirement for initial licensure, it is a requirement for renewal, therefore, the instructor **may** provide a certificate for renewal purposes to the student, verifying these requirements have been met.

If students in this program are seeking a licensure, certificate, or registration through the Department of Health, please refer to 456.0635, F.S., for more information on disqualification for a license, certificate, or registration through the Department of Health.

It is recommended that program completers take the national pharmacy technician certification exam offered by the Pharmacy Technician Certification Board, 2215 Constitution Ave. NW, Washington, DC 20037-2985, (202) 429-7576. This certification is offered all year round continually.

The Core should be taken first in the program. Following the successful completion of the core, the student is eligible to take the National Health Care Foundation Skill Standards Assessment with instructor approval and the completion of a portfolio.

Career and Technical Student Organization (CTSO)

CTSOs are co-curricular career and technical student organizations providing leadership training and reinforcing specific career and technical skills. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered. Other CTSOs not listed in this curriculum framework or recognized by the Florida Department of Education are permissible provided they support student mastery over the standards and benchmarks of this curriculum framework.

Cooperative Training – OJT

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements specified in the OJT framework apply.

Basic Skills

In Career Certificate programs offered for 450 hours or more, in accordance with Rule 6A-10.040, F.A.C., the minimum basic skills grade levels required for postsecondary adult career and technical students to complete this program are: Computation (Mathematics) and Communications (Reading and Language Arts). These grade level numbers correspond to a grade equivalent score obtained on a state designated basic skills examination.

Adult students with disabilities, as defined in Section 1004.02, Florida Statutes, may be exempted from meeting the Basic Skills requirements (Rule 6A-10.040). Students served in exceptional student education (except gifted) as defined in s. 1003.01, F.S., may also be exempted from meeting the Basic Skills requirement. Each school district and Florida College System Institution must adopt a policy addressing procedures for exempting eligible students with disabilities from the Basic Skills requirement as permitted in Section 1004.91, F.S.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodations if needed, and develop a plan with their counselor and/or instructors. Accommodations received in postsecondary education may differ from those received in secondary education. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology, and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

Note: postsecondary curriculum and regulated secondary programs cannot be modified.