



# PharmaSeer™

Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
<b>Standard 1: Personal/Interpersonal Knowledge and Skills</b>				
1.1 Demonstrate ethical content	Module 7: Patient Interactions	Lesson 1: Direct Patient Care	Implement appropriate direct patient care in your pharmacy that demonstrates a caring attitude toward patients.	
		Lesson 2: Professionalism	Identify how appearance, conduct, and adherence to moral standards contribute to professionalism.	
1.2 Present an image appropriate for profession	Module 7: Patient Interactions	Lesson 1: Direct Patient Care	Implement appropriate direct patient care in your pharmacy that demonstrates a caring attitude toward patients.	
		Lesson 2: Professionalism	Identify how appearance, conduct, and adherence to moral standards contribute to professionalism.	
1.3 Demonstrate active and engage listening skills	Module 7: Patient Interactions	Lesson 4: Communication Skills	Use appropriate nonverbal and verbal communication techniques with patients, coworkers, and health care professionals.	
1.4 Communicate clearly and effectively, both verbally and in writing*	Module 7: Patient Interactions	Lesson 3: Telephone, Fax, and Email Communication	Use effective telephone, fax, and e-mail communication strategies within the pharmacy technician's scope of practice.	*Written communication skills covered via suggested activities in the accompanying Facilitator Implementation Guide (FIG).
		Lesson 4: Communication Skills	Use appropriate nonverbal and verbal communication techniques with patients, coworkers, and health care professionals.	
1.5 Demonstrate a respectful and professional attitude when interacting with diverse patient populations, colleagues and professionals	Module 6: Self-Management Skills, Communication, and Teamwork	Lesson 2: Teamwork, Problem Solving, and Decision Making	Apply teamwork, problem-solving, and decision-making skills as part of the pharmacy team.	
	Module 7: Patient Interactions	Lesson 1: Direct patient care	Implement appropriate direct patient care in your pharmacy that demonstrates a caring attitude toward patients.	
		Lesson 2: Professionalism	Identify how appearance, conduct, and adherence to moral standards contribute to professionalism.	
		Lesson 4: Communication skills	Use appropriate nonverbal and verbal communication techniques with patients, coworkers, and health care professionals.	
		Lesson 5: Communication challenges	Implement strategies to overcome communication challenges.	
Lesson 6: Communication with specific populations	Communicate effectively with specific populations including children, older adult patients, patients with disabilities, and patients who do not share a common language with you.			
1.6 Apply self management skills, including time, stress and change management	Module 6: Self-Management Skills, Communication, and Teamwork	Lesson 1: Self-management skills	Apply emotional awareness and self-management skills for time management, stress management, and self-motivation.	
		Lesson 2: Teamwork, problem solving, and decision making	Apply teamwork, problem-solving, and decision-making skills as part of the pharmacy team.	
1.7 Apply interpersonal skills, including negotiation skills, conflict resolutions, customer service, and teamwork	Module 6: Self-Management Skills, Communication, and Teamwork	Lesson 2: Teamwork, problem solving, and decision making	Apply teamwork, problem-solving, and decision-making skills as part of the pharmacy team.	
	Module 7: Patient Interactions	Lesson 3: Conflict resolution	Apply conflict resolution skills when interacting with members of the pharmacy team.	
		Lesson 1: Direct patient care	Implement appropriate direct patient care in your pharmacy that demonstrates a caring attitude toward patients.	
		Lesson 4: Communication skills	Use appropriate nonverbal and verbal communication techniques with patients, coworkers, and health care professionals.	
		Lesson 5: Communication challenges	Implement strategies to overcome communication challenges.	
Lesson 6: Communication with specific populations	Communicate effectively with specific populations including children, older adult patients, patients with disabilities, and patients who do not share a common language with you.			
1.8 Demonstrate problem solving skills.	Module 6: Self-Management Skills, Communication, and Teamwork	Lesson 2: Teamwork, Problem Solving, and Decision Making	Apply teamwork, problem-solving, and decision-making skills as part of the pharmacy team.	
	Module 7: Patient Interactions	Lesson 4: Communication skills	Use appropriate nonverbal and verbal communication techniques with patients, coworkers, and health care professionals.	
		Lesson 5: Communication challenges	Implement strategies to overcome communication challenges.	



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
<b>Standard 2: Foundational Professional Knowledge and Skills</b>				
2.1 Explain the importance for maintaining competency through continuing education and professional development	Module 1: Introduction and Basic Overview	Lesson 2: Job Basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.	
	Module 20: Emergency Situations	Lesson 5: Functions of the pharmacy in disasters	Identify specific functions and requirements of the pharmacy and the pharmacy technician before, during, and after a disaster.	
2.2 Demonstrate the ability to maintain confidentiality of patient information, and understand applicable state and federal laws	Module 8: An Overview of Federal Privacy Requirements	Lesson 1: Privacy rules: Effects on pharmacy operations	Follow federal privacy rules regarding protected health information during the different stages of dispensing a prescription.	
		Lesson 2: Privacy rules: Effects on pharmacy communications	Communicate with patients and health care professionals in compliance with the privacy rules.	
		Lesson 3: Patient rights	Summarize the basic patient rights as described in the privacy regulations that may affect the pharmacy technician's role.	
		Lesson 4: Employer and employee responsibilities under HIPAA	Differentiate between employer and employee responsibilities in regard to federal privacy rules, including recognition of penalties for violation.	
2.3 Describe the pharmacy technician's role, pharmacist's role and other occupations in the healthcare environment	Module 1: Introduction and Basic Overview	Lesson 2: Job Basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.	
2.4 Describe wellness promotion and disease prevention concepts	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 1: The chain of infection	Outline infection control procedures, including standard precautions, used to break the chain of infection in the pharmacy.	
		Lesson 2: The role of OSHA in infection control	Summarize OSHA requirements for the prevention of and response to bloodborne pathogen exposure.	
		Lesson 3: Healthcare-associated infections	Identify health care-associated infections and methods used to prevent them.	
		Lesson 4: First aid	Identify basic first aid procedures and equipment needed to prevent infection.	
		Lesson 5: Point-of-care testing	Identify point-of-care testing available in pharmacies.	
		Lesson 6: Immunizations	Follow procedures for processing, handling, and documenting immunizations commonly administered by pharmacists.	
		Lesson 7: Wellness promotion	Summarize wellness promotion and disease prevention concepts	
2.5 Interpret general abbreviations commonly found on patient profiles and charts	Module 11: Drug and Medical Terminology	Lesson 1: Dissection of medical terms	Use medical prefixes, roots, and suffixes to determine the meaning of words used in pharmacy and other medical settings.	
		Lesson 2: Patient medical charts and patient profiles	Differentiate between the types of information commonly found in medical charts or profiles, including progress reports (SOAP notes).	
		Lesson 3: General abbreviations found in patient charts	Interpret general abbreviations commonly found on patient profiles and charts.	
		Lesson 4: Abbreviations for diseases and conditions	Interpret abbreviations for diseases and conditions commonly found in patient profiles and charts.	
		Lesson 5: Abbreviations for laboratory and diagnostic tests	Interpret abbreviations for laboratory and diagnostic tests commonly found on patient profiles and charts.	
		Lesson 6: Medication terminology	Use word parts to identify a medication product's therapeutic class and primary indications, and recognize exceptions to these rules.	



Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
2.5 Demonstrate basic knowledge of anatomy, physiology and pharmacology, and medical terminology relevant to the pharmacy technicians role	Module 12: Basic Anatomy and Physiology	Lesson 1: The skeletal system	Summarize the structures, functions, and common medical conditions of the skeletal system, including the actions of medications used to treat select skeletal system conditions.	
		Lesson 2: The muscular system	Summarize the structures, functions, and common medical conditions of the muscular system, including the actions of medications used to treat select muscular conditions.	
		Lesson 3: The cardiovascular system	Summarize the structures, functions, and common medical conditions of the cardiovascular system, including the actions of medications used to treat select cardiovascular conditions.	
		Lesson 4: The hematologic system	Summarize the structures, functions, and common medical conditions of the hematologic system, including the actions of medications used to treat select blood-clotting disorders.	
		Lesson 5: The respiratory system	Summarize the structures, functions, and common medical conditions of the respiratory system, including the actions of medications used to treat select respiratory conditions.	
		Lesson 6: The lymphatic and immune systems	Summarize the structures, functions, and common medical conditions of the immune systems, including the actions of medications used to treat bacterial, viral, and fungal infections.	
		Lesson 7: The digestive system	Summarize the structures, functions, and common medical conditions of the digestive system, including the actions of medications used to treat select digestive conditions.	
		Lesson 8: The urinary system	Summarize the structures, functions, and common medical conditions of the urinary system, including the actions of medications affecting urinary system physiology.	
		Lesson 9: The nervous system	Summarize the structures, functions, and common medical conditions of the nervous system, including the actions of medications used to treat select nervous system conditions.	
	Module 12: Basic Anatomy and Physiology	Lesson 10: The integumentary system	Summarize the structures, functions, and common medical conditions of the integumentary system, including the actions of medications used to treat select integumentary conditions.	
		Lesson 11: The endocrine system	Summarize the structures, functions, and common medical conditions of the endocrine system, including the actions of medications used to treat select endocrine conditions.	
		Lesson 12: The reproductive system	Summarize the structures, functions, and common medical conditions of the reproductive system, including the actions of medications used to treat select reproductive conditions.	
	Module 13: Basic Pharmacology	Lesson 1: Pharmacodynamics	Define concepts of pharmacodynamics, including mechanisms of action, therapeutic window, and therapeutic index.	
		Lesson 2: Pharmacokinetics	Summarize the concepts of absorption, distribution, metabolism, and excretion of medications, including factors affecting each process.	
		Lesson 3: Drug interactions: General concepts	Differentiate between drug-to-drug, drug-food, and drug-disease interactions.	
		Lesson 4: Drug-to-drug interactions	Differentiate between various types of pharmacodynamic and pharmacokinetic drug-to-drug interactions.	
		Lesson 5: Examples of drug-to-drug interactions	Recognize examples of drug-to-drug interactions.	
		Lesson 6: Drug-food interactions	Recognize types of drug-food interactions, including ways to avoid them by administering medications at optimal times.	
		Lesson 7: Drug-disease interactions	Recognize examples of drug-disease interactions, including their causes.	
		Lesson 8: Toxicology, overdoses, and antidotes	Identify poisons and their corresponding antidotes.	
		Lesson 9: Medication actions on the nervous system	Differentiate between medication actions on the somatic nervous system and on the two divisions of the autonomic nervous system.	
		Lesson 10: Autonomic nervous system receptors	Identify organs and receptors innervated by the autonomic nervous system, including the effects of medications on these receptors.	



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	Module 14: Commonly Prescribed Interventions	Lesson 11: Medications affecting the autonomic nervous system	Recognize examples of medications affecting autonomic nervous system receptors.		
		Lesson 1: Terms associated with disease states	Define the key medical terms sign, symptom, etiology, stage, status, risk factor, complication, nonpharmacological therapy, and pharmacological therapy.		
		Lesson 2: Hypertension (HTN)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of hypertension (HTN).		
		Lesson 3: Hyperlipidemia (high cholesterol)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of hyperlipidemia (high cholesterol).		
		Lesson 4: Diabetes mellitus	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of diabetes mellitus.		
		Lesson 5: Influenza	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of influenza.		
		Lesson 6: Pneumonia	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of pneumonia.		
		Lesson 7: Asthma	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of asthma.		
		Lesson 8: Chronic obstructive pulmonary disease (COPD)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of chronic obstructive pulmonary disease (COPD).		
		Lesson 9: Gastroesophageal reflux disease (GERD)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of gastroesophageal reflux disease (GERD).		
		Lesson 10: Cancer	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of cancer.		
		Lesson 11: Autoimmune diseases	Identify the characteristics and select pharmacological therapies of autoimmune diseases.		
		Lesson 12: Pain	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of pain, including consideration of side effects.		
		Lesson 13: Depression	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of depression.		
Lesson 14: Contraception and hormone replacement therapy	Identify the characteristics, side effects, and considerations of nonpharmacological contraception, pharmacological contraception, and hormone replacement.				
2.6 Perform mathematical calculations essential to the duties of pharmacy technicians in a variety of settings	Module 5: Pharmacy Calculations	Lesson 1: Systems of measurement and Roman numerals	Convert within and between systems of measurement and between Roman and Arabic numerals.		
		Lesson 2: Methods for solving dosage calculations	Use ratios and proportions, dimensional analysis, or the desired over have equation to solve for unknown values and to reduce or enlarge formulas.		
		Lesson 3: Dilution of stock solutions	Calculate dilutions of stock solutions.		
		Lesson 4: Medication concentration and milliequivalents	Perform calculations involving medication concentration and milliequivalents.		
		Lesson 5: Dosage calculations	Calculate prescription dosages based on age, body weight, and body surface area (BSA).		
		Lesson 6: Business calculations	Perform basic business calculations (gross margin, markup, inventory turnover).		
		Lesson 7: Dosage units and days' supply	Calculate prescription quantities and days' supply.		
	Module 1: Introduction and Basic Overview	Lesson 2: Job Basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.		
	Module 3: Prescription Medications: Controlled Substances	Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.		
			Lesson 1: Prescription requirements	Identify the information required to fill a prescription, the ways prescriptions can be transmitted, and what prescriptive authority different types of prescribers have.	
			Lesson 2: Interpreting Directions for Use	Translate prescribers' abbreviations and symbols into patient directions and identify error-prone symbols and abbreviations that prescribers should avoid along with recommended alternatives.	



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2.7 Explain the pharmacy technician's role in the medication-use process	Module 4: The Dispensing Process	Lesson 3: Steps in the dispensing process	Outline the steps in the dispensing process.		
		Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.		
		Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.		
		Lesson 6: Generating prescription labels	Properly generate prescription labels and receipts, ensuring all required information is present.		
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.		
		Lesson 8: Labeling prescription containers	Follow procedures for labeling prescription containers and for the proper use of auxiliary labels.		
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.		
		Lesson 10: Refills	Follow procedures for refilling medications as well as regulations for refills on take-as-needed medications, controlled substances, and those that involve third-party payment.		
		Module 16: Over-the-Counter (OTC) Medications	Lesson 1: OTC medications: The pharmacy technician's role	Identify the functions that pharmacy technicians can and cannot perform with regard to OTC medications and assisting patients.	
		2.8 Practice and adhere to effective infection control procedures	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 1: The chain of infection	Outline infection control procedures, including standard precautions, used to break the chain of infection in the pharmacy.
Lesson 2: The role of OSHA in infection control	Summarize OSHA requirements for the prevention of and response to bloodborne pathogen exposure.				
Lesson 3: Healthcare-associated infections	Identify health care-associated infections and methods used to prevent them.				
Lesson 4: First aid	Identify basic first aid procedures and equipment needed to prevent infection.				
<b>Standard 3: Processing and Handling of Medications and Medication Orders</b>					
3.1 Assist pharmacists in collecting, organizing, and recording demographic and clinical information for the Pharmacist Patient Care Process	Module 1: Introduction and Basic Overview	Lesson 2: Job Basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.		
	Module 4: The Dispensing Process	Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.		
Lesson 5: Entering patient profiles and prescription information		Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.			
Lesson 4: Receiving prescriptions		Follow the steps for receiving and verifying prescriptions.			
Lesson 5: Entering patient profiles and prescription information		Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.			
Lesson 6: Generating prescription labels		Properly generate prescription labels and receipts, ensuring all required information is present.			
Lesson 7: Stocking, checking, and preparing medications		Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.			
Lesson 8: Labeling prescription containers		Follow procedures for labeling prescription containers and for the proper use of auxiliary labels.			
Lesson 9: Ensuring accurate prescription delivery		Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.			
3.2 Receive, process, and prepare prescription/medication orders for completeness, accuracy, and authenticity to ensure safety					



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3.3 Assist pharmacist in the identification of patients who desire/require counseling to optimize the use of medications, equipment and devices	Module 1: Introduction and Basic Overview	Lesson 2: Job Basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.	
	Module 3: Prescription Medications: Controlled Substances	Lesson 5: Substance use disorder in patients and colleagues	Recognize ways to identify and respond to substance use disorder in patients and colleagues.	
	Module 4: The Dispensing Process	Lesson 3: Steps in the dispensing process	Outline the steps in the dispensing process.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
	Module 7: Patient Interactions	Lesson 4: Communication skills	Use appropriate nonverbal and verbal communication techniques with patients, coworkers, and health care professionals.	
		Lesson 5: Communication challenges	Implement strategies to overcome communication challenges.	
		Lesson 6: Communication with specific populations	Communicate effectively with specific populations including children, older adult patients, patients with disabilities, and patients who do not share a common language with you.	
	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 4: First aid	Identify basic first aid procedures and equipment needed to prevent infection.	
		Lesson 7: Wellness promotion	Summarize wellness promotion and disease prevention concepts	
	Module 16: Over-the-Counter (OTC) Medications	Lesson 1: OTC medications: The pharmacy technician's role	Identify the functions that pharmacy technicians can and cannot perform with regard to OTC medications and assisting patients.	
Module 17: Unit Dose Systems and Medication Repackaging	Lesson 3: Emergency kits and compliance aids	Summarize the use and considerations of emergency kits and compliance aids with respect to the pharmacy technician's role.		
3.4 Prepare patient-specific medications for distribution	Module 3: Prescription Medications: Controlled Substances	Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
		Lesson 3: Steps in the dispensing process	Outline the steps in the dispensing process.	
		Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.	
	Module 4: The Dispensing Process	Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 6: Generating prescription labels	Properly generate prescription labels and receipts, ensuring all required information is present.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
		Lesson 8: Labeling prescription containers	Follow procedures for labeling prescription containers and for the proper use of auxiliary labels.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
		Lesson 10: Refills	Follow procedures for refilling medications as well as regulations for refills on take-as-needed medications, controlled substances, and those that involve third-party payment.	
	Module 18: Nonsterile Product Compounding	Lesson 2: Compounding equipment	Identify compounding equipment and acceptable uses in nonsterile settings.	
		Lesson 3: Compounding skills	Recognize procedures for measuring liquids and solids and for mixing powders.	
		Lesson 4: Compounding process: Oral solid dosage forms	Follow the compounding process for tablets and capsules.	
		Lesson 5: Compounding process: Oral liquid dosage forms	Follow the compounding process for solutions, suspensions, and emulsions.	
		Lesson 6: Compounding process: Topical and rectal dosage forms	Follow the compounding process for ointments, creams, lotions, and suppositories.	



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	Module 19: Sterile Product Compounding	Lesson 2: Sterile medication products	Differentiate between sterile medication products with respect to route of administration, type of therapy, volume of solution, and tonicity.	
		Lesson 3: Risk categories	Differentiate between risk categories for compounded sterile preparations.	
		Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
		Lesson 5: Hazardous medications as CSPs	Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.	
		Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
		Lesson 7: Compounding procedures	Follow aseptic compounding procedures for withdrawing fluids, transferring fluids, and reconstituting powders.	
		Lesson 8: Total parenteral nutrition	Summarize the components, uses, and considerations of total parenteral nutrition, including the recognition of physical, chemical, and therapeutic incompatibilities.	
		Lesson 9: Dispensing sterile product prescriptions	Outline the process and requirements for dispensing compounded sterile preparations, including beyond-use dating, documentation and labeling, and using the equipment and supplies.	
		3.5 Prepare non patient-specific medications for distribution	Module 17: Unit Dose Systems and Medication Repackaging	Lesson 1: Types of medication distribution systems
Lesson 2: Repackaging medications	Follow the procedures for repackaging medications.			
3.6 Assist pharmacist in preparing, storing, and distributing medication products including those requiring special handling and documentation	Module 3: Prescription Medications: Controlled Substances	Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
		Lesson 3: DEA numbers and record keeping	Identify components of Drug Enforcement Agency (DEA) numbers and recordkeeping requirements for controlled substances.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
	Module 4: The Dispensing Process	Lesson 8: Labeling prescription containers	Follow procedures for labeling prescription containers and for the proper use of auxiliary labels.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
		Lesson 4: Compounding process: Oral solid dosage forms	Follow the compounding process for tablets and capsules.	
	Module 18: Nonsterile Product Compounding	Lesson 5: Compounding process: Oral liquid dosage forms	Follow the compounding process for solutions, suspensions, and emulsions.	
		Lesson 6: Compounding process: Topical and rectal dosage forms	Follow the compounding process for ointments, creams, lotions, and suppositories.	
		Lesson 2: Sterile medication products	Differentiate between sterile medication products with respect to route of administration, type of therapy, volume of solution, and tonicity.	
	Module 19: Sterile Product Compounding	Lesson 3: Risk categories	Differentiate between risk categories for compounded sterile preparations.	
		Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
		Lesson 5: Hazardous medications as CSPs	Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.	
		Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
Lesson 7: Compounding procedures		Follow aseptic compounding procedures for withdrawing fluids, transferring fluids, and reconstituting powders.		
Lesson 8: Total parenteral nutrition		Summarize the components, uses, and considerations of total parenteral nutrition, including the recognition of physical, chemical, and therapeutic incompatibilities.		



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		Lesson 9: Dispensing sterile product prescriptions	Outline the process and requirements for dispensing compounded sterile preparations, including beyond-use dating, documentation and labeling, and using the equipment and supplies.	
3.7 Assist the pharmacist in the monitoring of medication therapy	Module 4: The Dispensing Process	Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.	
		Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 2: Hypertension (HTN)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of hypertension (HTN).	
	Module 14: Commonly Prescribed Interventions	Lesson 3: Hyperlipidemia (high cholesterol)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of hyperlipidemia (high cholesterol).	
		Lesson 4: Diabetes mellitus	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of diabetes mellitus.	
		Lesson 5: Influenza	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of influenza.	
		Lesson 6: Pneumonia	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of pneumonia.	
		Lesson 7: Asthma	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of asthma.	
		Lesson 8: Chronic obstructive pulmonary disease (COPD)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of chronic obstructive pulmonary disease (COPD).	
		Lesson 9: Gastroesophageal reflux disease (GERD)	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of gastroesophageal reflux disease (GERD).	
		Lesson 10: Cancer	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of cancer.	
		Lesson 11: Autoimmune diseases	Identify the characteristics and select pharmacological therapies of autoimmune diseases.	
		Lesson 12: Pain	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of pain, including consideration of side effects.	
		Lesson 13: Depression	Identify the characteristics, nonpharmacological therapies, and pharmacological therapies of depression.	
		Lesson 14: Contraception and hormone replacement therapy	Identify the characteristics, side effects, and considerations of nonpharmacological contraception, pharmacological contraception, and hormone replacement.	
Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 5: Point-of-care testing	Identify point-of-care testing available in pharmacies.		
3.8 Maintain facilities and equipment	Module 10: Nondispensing duties	Lesson 5: Maintaining pharmacy department efficiency	Follow procedures for maintaining pharmacy work areas, supplies, and stock and for handling special types of sales transactions.	
3.9 Use information from Safety Data Sheets (SDS), National Institute of safety and Health (NIOSH) Hazardous Drug List, and the United States Pharmacopeia (USP) to identify, handle, dispense, and safely dispose of hazardous medications and materials	Module: 19	Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
		Lesson 5: Hazardous medications as CSPs	Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.	
3.10 Describe the Federal and Drug Administration product tracking, tracing and handling requirements	Module 1: Introduction and Basic Overview	Lesson 4: Laws and agencies governing pharmacy practice	Comply with laws, regulations, policies, and procedures instituted by federal and state governments, state boards of pharmacy, and other regulatory agencies.	
		Lesson 2: Interpreting Directions for Use	Translate prescribers' abbreviations and symbols into patient directions and identify error-prone symbols and abbreviations that prescribers should avoid along with recommended alternatives.	
		Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.	





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3.11 Apply quality assurance practices to pharmaceuticals, durable medical equipment, devices and supplies	Module 4: The Dispensing Process	Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
	Module 10: Nondispensing duties	Lesson 3: Receiving and stocking medications	Follow procedures for receiving, stocking, and identifying expired merchandise.	
	Module 17: Unit Dose Systems and Medication Repackaging	Lesson 2: Repackaging Medications	Follow the procedures for repackaging medications.	
	Module 18: Nonsterile Product Compounding	Lesson 1: Compounding guidelines and regulations	Define compounding and the policies, procedures, and laws associated with compounding.	
		Lesson 2: Compounding equipment	Identify compounding equipment and acceptable uses in nonsterile settings.	
		Lesson 4: Compounding process: Oral solid dosage forms	Follow the compounding process for tablets and capsules.	
		Lesson 5: Compounding process: Oral liquid dosage forms	Follow the compounding process for solutions, suspensions, and emulsions.	
		Lesson 6: Compounding process: Topical and rectal dosage forms	Follow the compounding process for ointments, creams, lotions, and suppositories.	
	Module 19: Sterile Product Compounding	Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
		Lesson 7: Compounding procedures	Follow aseptic compounding procedures for withdrawing fluids, transferring fluids, and reconstituting powders.	
		Lesson 8: Total parenteral nutrition	Summarize the components, uses, and considerations of total parenteral nutrition, including the recognition of physical, chemical, and therapeutic incompatibilities.	
Lesson 9: Dispensing sterile product prescriptions		Outline the process and requirements for dispensing compounded sterile preparations, including beyond-use dating, documentation and labeling, and using the equipment and supplies.		
3.12 Explain procedures and communication channels to use in the event of a product recall or shortage, a medication error, or identification of another problem	Module 2: Prescription Medications: General	Lesson 6: Public safety and reporting errors Lesson 7: Dispensing errors	Differentiate between the programs aimed at promoting public safety.	
	Module 10: Nondispensing duties	Lesson 2: Purchasing; Ordering procedures	Follow proper procedures when ordering prescriptions.	
	Module 20: Emergency Situations	Lesson 3: Planning requirements for emergency situations	Describe the requirements for emergency planning, including implementation of emergency stockpiles.	
Lesson 5: Functions of the pharmacy in disasters		Identify specific functions and requirements of the pharmacy and the pharmacy technician before, during, and after a disaster.		
3.14 Collect payment for medications, pharmacy services, and devices	Module 9: Managed Care Prescriptions	Lesson 5: Claims reconciliation and ensuring payment	Resolve problems with data entry, claim adjudication, and reconciliation to prevent chargebacks, & follow third-party payer guidelines to ensure proper reimbursement of claims and prevent discrepancies during audits.	
3.13 Use current technology to ensure the safety and accuracy of medication dispensing	Module 4: The Dispensing Process	Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 6: Generating prescription labels	Properly generate prescription labels and receipts, ensuring all required information is present.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
	Module 18: Nonsterile Product Compounding	Lesson 1: Compounding guidelines and regulations	Define compounding and the policies, procedures, and laws associated with compounding.	
		Lesson 2: Compounding equipment	Identify compounding equipment and acceptable uses in nonsterile settings.	
		Lesson 3: Compounding skills	Recognize procedures for measuring liquids and solids and for mixing powders.	



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
3.15 Describe basic concepts related to the preparation of sterile and non-sterile compounding	Module 19: Sterile Product Compounding	Lesson 1: Sterile compounding: Purpose and regulations	Identify types of therapies requiring sterile compounding, including associated regulations.	
		Lesson 2: Sterile medication products	Differentiate between sterile medication products with respect to route of administration, type of therapy, volume of solution, and tonicity.	
		Lesson 3: Risk categories	Differentiate between risk categories for compounded sterile preparations.	
		Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
		Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
3.16 Prepare simple non-sterile medications per applicable USP chapters (eg, reconstitution, basic ointments and creams)	Module 18: Nonsterile Product Compounding	Lesson 4: Compounding process: Oral solid dosage forms	Follow the compounding process for tablets and capsules.	
		Lesson 5: Compounding process: Oral liquid dosage forms	Follow the compounding process for solutions, suspensions, and emulsions.	
		Lesson 6: Compounding process: Topical and rectal dosage forms	Follow the compounding process for ointments, creams, lotions, and suppositories.	
3.17 Assist pharmacist in preparing medications requiring compounding of non-sterile products	Module 18: Nonsterile Product Compounding	Lesson 4: Compounding process: Oral solid dosage forms	Follow the compounding process for tablets and capsules.	
		Lesson 5: Compounding process: Oral liquid dosage forms	Follow the compounding process for solutions, suspensions, and emulsions.	
		Lesson 6: Compounding process: Topical and rectal dosage forms	Follow the compounding process for ointments, creams, lotions, and suppositories.	
3.18 Explain accepted procedures in purchasing pharmaceuticals, devices, and supplies	Module 10: Nondispensing duties	Lesson 2: Purchasing: Ordering procedures	Follow proper procedures when ordering prescriptions.	
3.19 Explain accepted procedures in inventory control of medications, equipment, and devices. Explain accepted procedures in identifying and disposing of expired medications	Module 10: Nondispensing duties	Lesson 1: Purchasing: Factors affecting price	Identify factors that affect the purchase price of prescription medications.	
		Lesson 2: Purchasing: Ordering procedures	Follow proper procedures when ordering prescriptions.	
		Lesson 3: Receiving and stocking medications	Follow procedures for receiving, stocking, and identifying expired merchandise.	
		Lesson 4: Returning merchandise	Follow procedures when returning merchandise in various situations.	
3.20 Explain accepted procedures in delivery and documentation of immunizations	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 6: Immunizations	Follow procedures for processing, handling, and documenting immunizations commonly administered by pharmacists.	
	Module 3: Prescription Medications: Controlled Substances	Lesson 2: Dispensing controlled substances Lesson 3: DEA numbers and record keeping	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
	Module 4: The Dispensing Process	Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 6: Immunizations	Follow procedures for processing, handling, and documenting immunizations commonly administered by pharmacists.	



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
3.21 Prepare, store, deliver medication products requiring special handling and documentation	Module 19: Sterile Product Compounding	Lesson 2: Sterile medication products	Differentiate between sterile medication products with respect to route of administration, type of therapy, volume of solution, and tonicity.	
		Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
		Lesson 5: Hazardous medications as CSPs	Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.	
		Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
		Lesson 7: Compounding procedures	Follow aseptic compounding procedures for withdrawing fluids, transferring fluids, and reconstituting powders.	
		Lesson 8: Total parenteral nutrition	Summarize the components, uses, and considerations of total parenteral nutrition, including the recognition of physical, chemical, and therapeutic incompatibilities.	
		Lesson 9: Dispensing sterile product prescriptions	Outline the process and requirements for dispensing compounded sterile preparations, including beyond-use dating, documentation and labeling, and using the equipment and supplies.	
<b>Standard 4: Patient Care, Quality and Safety Knowledge and Skills</b>				
4.1 Explain the Pharmacists' Patient Care Process and describe the role of the pharmacy technician in the patient care process	Module 1: Introduction and Basic Overview	Lesson 2: Job basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.	
	Module 4: The Dispensing Process	Lesson 3: Steps in the dispensing process	Outline the steps in the dispensing process.	
		Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.	
		Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 6: Generating prescription labels	Properly generate prescription labels and receipts, ensuring all required information is present.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
		Lesson 8: Labeling prescription containers	Follow procedures for labeling prescription containers and for the proper use of auxiliary labels.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
		Lesson 10: Refills	Follow procedures for refilling medications as well as regulations for refills on take-as-needed medications, controlled substances, and those that involve third-party payment.	
	Module 7: Patient Interaction	Lesson 1: Direct patient care	Implement appropriate direct patient care in your pharmacy that demonstrates a caring attitude toward patients.	
4.2 Apply patient and medication safety practices in aspects of the pharmacy technician's role	Module 2: Prescription Medications: General	Lesson 5: Easily confused products	Follow proper procedures for avoiding easily confused products.	
		Lesson 6: Public safety and reporting errors	Differentiate between the programs aimed at promoting public safety.	
		Lesson 7: Dispensing errors	Follow proper procedures for avoiding and documenting dispensing errors.	
	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 8: Dispensing precautions during pregnancy	Locate information regarding medication use with respect to contraception, fertility, pregnancy, and lactation.	
		Lesson 1: OTC medications: The pharmacy technician's role	Identify the functions that pharmacy technicians can and cannot perform with regard to OTC medications and assisting patients.	
		Lesson 2: Analgesics, motion sickness medications, and sleep aids	Identify the uses, names, and considerations of OTC analgesics, motion sickness medications, and sleep aids, including patient conditions for which these products should be avoided.	
Lesson 4: Cough, cold, and allergy medications	Identify the uses, names, and considerations of cough and cold medications, including patient conditions for which these products should be avoided.			



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
4.3 Explain how pharmacy technicians assist pharmacists in responding to emergent patient situations, safely and legally	Module 20: Emergency Situations	Lesson 4: Risk assessment	Summarize risk assessment factors following a disaster, including the pharmacy technician's role.	
		Lesson 5: Functions of the pharmacy in disasters	Identify specific functions and requirements of the pharmacy and the pharmacy technician before, during, and after a disaster.	
4.4 Explain basic safety and emergency preparedness procedures applicable to pharmacy services	Module 20: Emergency Situations	Lesson 2: Roles of federal, state, and local organizations in emergency planning	Outline the roles of various organizations involved with emergency planning.	
		Lesson 3: Planning requirements for emergency situations	Describe the requirements for emergency planning, including implementation of emergency stockpiles.	
4.5 Assist the pharmacist in the medication reconciliation process	Module 4: The Dispensing Process	Lesson 5: Entering patient profiles and prescription information	Identify specific functions and requirements of the pharmacy and the pharmacy technician before, during, and after a disaster.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
4.6 Explain point of care testing	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 5: Point-of-care testing	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
	Module 1: Introduction and Basic Overview	Lesson 2: Job basics	Identify point-of-care testing available in pharmacies.	
4.7 Explain pharmacist and pharmacy technician roles in medication management services	Module 4: The Dispensing Process	Lesson 5: Entering patient profiles and prescription information	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 10: Refills	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
	Module 7: Patient Interaction	Lesson 1: Direct patient care	Follow procedures for refilling medications as well as regulations for refills on take-as-needed medications, controlled substances, and those that involve third-party payment.	
4.8 Describe best practices regarding quality assurance measures according to leading quality assurance organizations	Module 1: Introduction and Basic Overview	Lesson 4: Laws and agencies governing pharmacy practice	Implement appropriate direct patient care in your pharmacy that demonstrates a caring attitude toward patients.	
	Module 2: Prescription Medications: General	Lesson 5: Easily confused products	Comply with laws, regulations, policies, and procedures instituted by federal and state governments, state boards of pharmacy, and other regulatory agencies.	
		Lesson 6: Public safety and reporting errors	Follow proper procedures for avoiding easily confused products.	
		Lesson 7: Dispensing errors	Differentiate between the programs aimed at promoting public safety.	
	Module 3: Prescription Medications: Controlled Substances	Lesson 2: Dispensing controlled substances	Follow proper procedures for avoiding and documenting dispensing errors.	
		Lesson 3: DEA numbers and record keeping	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
Lesson 4: Diversion of controlled substances		Identify components of Drug Enforcement Agency (DEA) numbers and recordkeeping requirements for controlled substances.		
			Identify techniques and procedures for recognizing and preventing diversion of controlled substances.	



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
4.8 Describe best practices regarding quality assurance measures according to leading quality assurance organizations	Module 4: The Dispensing Process	Lesson 2: Interpreting Directions for Use	Translate prescribers' abbreviations and symbols into patient directions and identify error-prone symbols and abbreviations that prescribers should avoid along with recommended alternatives.	
		Lesson 4: Receiving prescriptions	Follow the steps for receiving and verifying prescriptions.	
		Lesson 5: Entering patient profiles and prescription information	Follow procedures for entering, updating, and maintaining patient profiles and prescription information, including taking appropriate actions when compliance alerts are displayed by the computer.	
		Lesson 7: Stocking, checking, and preparing medications	Follow procedures for stocking, checking, and preparing medications, including the use of automated dispensing systems.	
		Lesson 9: Ensuring accurate prescription delivery	Follow procedures to ensure delivery of correct prescriptions to patients and to maintain accurate records.	
	Module 10: Nondispensing Duties	Lesson 3: Receiving and stocking medications	Follow procedures for receiving, stocking, and identifying expired merchandise.	
		Lesson 4: Returning merchandise	Follow procedures when returning merchandise in various situations.	
	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 1: The chain of infection	Outline infection control procedures, including standard precautions, used to break the chain of infection in the pharmacy.	
		Lesson 2: The role of OSHA in infection control	Summarize OSHA requirements for the prevention of and response to bloodborne pathogen exposure.	
	Module 17: Unit Dose Systems and Medication Repackaging	Lesson 2: Repackaging medications	Follow the procedures for repackaging medications.	
	Module 18: Nonsterile Product Compounding	Lesson 1: Compounding guidelines and regulations	Define compounding and the policies, procedures, and laws associated with compounding.	
	Module 19: Sterile Product Compounding	Lesson 1: Sterile compounding: Purpose and regulations	Identify types of therapies requiring sterile compounding, including associated regulations.	
		Lesson 3: Risk categories	Differentiate between risk categories for compounded sterile preparations.	
		Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
Lesson 5: Hazardous medications as CSPs		Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.		
	Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.		



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
<b>Standard 5: Regulatory and Compliance Knowledge and Skills</b>				
5.1 Describe and apply state and federal laws pertaining to processing, handling and dispensing of medications including controlled substances	Module 3: Prescription Medications: Controlled Substance	Lesson 1: Controlled substance schedules	Differentiate among the various controlled substance schedules.	
		Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
		Lesson 3: DEA numbers and record keeping	Identify components of Drug Enforcement Agency (DEA) numbers and recordkeeping requirements for controlled substances.	
5.2 Describe state and federal laws and regulations, pertaining to pharmacy technicians, and the processing, handling and dispensing of medications	Module 1: Introduction and Basic Overview	Lesson 4: Laws and agencies governing pharmacy practice	Comply with laws, regulations, policies, and procedures instituted by federal and state governments, state boards of pharmacy, and other regulatory agencies.	
	Module 3: Prescription Medications: Controlled Substance	Lesson 1: Controlled substance schedules	Differentiate among the various controlled substance schedules.	
		Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
		Lesson 3: DEA numbers and record keeping	Identify components of Drug Enforcement Agency (DEA) numbers and recordkeeping requirements for controlled substances.	
	Module 18: Nonsterile Product Compounding	Lesson 1: Compounding guidelines and regulations	Define compounding and the policies, procedures, and laws associated with compounding.	
	Module 19: Sterile Product Compounding	Lesson 1: Sterile compounding: Purpose and regulations	Identify types of therapies requiring sterile compounding, including associated regulations.	
5.3 Explain that differences exist between states regarding state regulations, pertaining to pharmacy technicians, and the processing, handling and dispensing of medications	Module 1: Introduction and Basic Overview	Lesson 2: Job basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.	
		Lesson 4: Laws and agencies governing pharmacy practice	Comply with laws, regulations, policies, and procedures instituted by federal and state governments, state boards of pharmacy, and other regulatory agencies.	
	Module 3: Prescription Medications: Controlled Substance	Lesson 1: Controlled substance schedules	Differentiate among the various controlled substance schedules.	
		Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
	Module 4: The Dispensing Process	Lesson 1: Prescription requirements	Identify the information required to fill a prescription, the ways prescriptions can be transmitted, and what prescriptive authority different types of prescribers have.	
	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 6: Immunizations	Follow procedures for processing, handling, and documenting immunizations commonly administered by pharmacists.	
	5.4 Describe the process and responsibility required to obtain and maintain registration and/or licensure to work as a pharmacy technician	Module 1: Introduction and Basic Overview	Lesson 2: Job basics	Describe the roles, responsibilities, education requirements, and scope of practice of the pharmacy technician.
5.5 Describe pharmacy compliance with professional standards and relevant legal, regulatory, formulary, contractual and safety requirements	Module 1: Introduction and Basic Overview	Lesson 4: Laws and agencies governing pharmacy practice	Comply with laws, regulations, policies, and procedures instituted by federal and state governments, state boards of pharmacy, and other regulatory agencies.	
	Module 3: Prescription Medications: Controlled Substances	Lesson 1: Controlled substance schedules	Differentiate among the various controlled substance schedules.	
		Lesson 2: Dispensing controlled substances	Follow rules when dispensing controlled substance medications, including regulations governing refills, partial refills, and transfers.	
		Lesson 3: DEA numbers and record keeping	Identify components of Drug Enforcement Agency (DEA) numbers and recordkeeping requirements for controlled substances.	
	Module 4: The Dispensing Process	Lesson 1: Prescription requirements	Identify the information required to fill a prescription, the ways prescriptions can be transmitted, and what prescriptive authority different types of prescribers have.	



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
5.5 Describe pharmacy compliance with professional standards and relevant legal, regulatory, formulary, contractual and safety requirements	Module 8: An Overview of Federal Privacy Requirements	Lesson 1: Privacy rules: Effects on pharmacy operations	Follow federal privacy rules regarding protected health information during the different stages of dispensing a prescription.	
		Lesson 2: Privacy rules: Effects on pharmacy communications	Communicate with patients and health care professionals in compliance with the privacy rules.	
		Lesson 3: Patient rights	Summarize the basic patient rights as described in the privacy regulations that may affect the pharmacy technician's role.	
		Lesson 4: Employer and employee responsibilities under HIPAA	Differentiate between employer and employee responsibilities in regard to federal privacy rules, including recognition of penalties for violation.	
	Module 9: Managed Care Prescriptions	Lesson 3: Dispensing third-party prescriptions and submitting claims	Follow procedures for dispensing third-party prescriptions, including checking eligibility and submitting claims.	
		Lesson 4: Third-party cost controls	Follow procedures to comply with third-party cost controls.	
		Lesson 5: Claims reconciliation and ensuring payment	Resolve problems with data entry, claim adjudication, and reconciliation to prevent chargebacks, & follow third-party payer guidelines to ensure proper reimbursement of claims and prevent discrepancies during audits.	
	Module 10: Nondispensing Duties	Lesson 3: Receiving and stocking medications	Follow procedures for receiving, stocking, and identifying expired merchandise.	
		Lesson 4: Returning merchandise	Follow procedures when returning merchandise in various situations.	
	Module 17: Unit Dose Systems and Medication Repackaging	Lesson 2: Repackaging medications	Identify the uses, names, and considerations of OTC analgesics, motion sickness medications, and sleep aids, including patient conditions for which these products should be avoided.	
	Module 18: Nonsterile Product Compounding	Lesson 1: Compounding guidelines and regulations	Define compounding and the policies, procedures, and laws associated with compounding.	
	Module 19: Sterile Product Compounding	Lesson 1: Sterile compounding: Purpose and regulations	Identify types of therapies requiring sterile compounding, including associated regulations.	
		Lesson 3: Risk categories	Differentiate between risk categories for compounded sterile preparations.	
		Lesson 4: Sterile compounding environment	Identify the characteristics of the sterile compounding environment, including types of primary engineering controls.	
		Lesson 5: Hazardous medications as CSPs	Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.	
		Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
Module 20: Emergency Situations	Lesson 2: Roles of federal, state, and local organizations in emergency planning	Outline the roles of various organizations involved with emergency planning.		
	Lesson 3: Planning requirements for emergency situations	Describe the requirements for emergency planning, including implementation of emergency stockpiles.		



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Current Standards for Entry-Level Practice	Module	Lesson(s)	Learning Objective(s)	Notes
5.6 Describe Occupational Safety and Health Administration (OSHA), National Institute of Occupational Safety and Health (NIOSH), and USP Pharmacopeia (USP) requirements and treatment of exposure to hazardous substances (eg, risk assessment, personal protective equipment, eyewash, spill kit)	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 1: The chain of infection	Outline infection control procedures, including standard precautions, used to break the chain of infection in the pharmacy.	
		Lesson 2: The role of OSHA in infection control	Summarize OSHA requirements for the prevention of and response to bloodborne pathogen exposure.	
		Lesson 3: Healthcare-associated infections	Identify health care-associated infections and methods used to prevent them.	
		Lesson 4: First aid	Identify basic first aid procedures and equipment needed to prevent infection.	
	Module 19: Sterile Product Compounding	Lesson 1: Sterile compounding: Purpose and regulations	Identify types of therapies requiring sterile compounding, including associated regulations.	
		Lesson 5: Hazardous medications as CSPs	Identify examples of hazardous medications and the procedures for receiving, preparing, and storing them in the pharmacy.	
		Lesson 6: Required aseptic procedures	Follow correct procedures for maintaining the sterile product compounding environment, including waste disposal, garbing, and aseptic technique.	
Module 20: Emergency Situations	Lesson 4: Risk assessment	Summarize risk assessment factors following a disaster, including the pharmacy technician's role.		
5.7 Describe OSHA requirements for prevention of blood-borne pathogen exposure (eg, accidental needle stick, post-exposure prophylaxis)	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 2: The role of OSHA in infection control	Summarize OSHA requirements for the prevention of and response to bloodborne pathogen exposure.	
5.8 Describe OSHA Hazard Communication Standard (ie, Employee Right to know)	Module 15: Infection Control, Wellness, and Disease Prevention	Lesson 2: The role of OSHA in infection control	Summarize OSHA requirements for the prevention of and response to bloodborne pathogen exposure.	