

**PHARMACY TECHNICIAN EDUCATION AND TRAINING PROGRAMS**

**CURRICULUM CROSSWALK TEMPLATE**

Based on the FIFTH EDITION of the MODEL CURRICULUM

ASHP (American Society of Health-System Pharmacists)

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 **OVERVIEW**

The Curriculum Crosswalk template aligns with the format of the *Model Curriculum*, which includes four columns for each Key Element, described in the chart below. A Key Element is defined as broad area of capability that students need to be able to achieve to meet the particular standard. ***Always have students act in accordance with relevant state laws and regulations at the experiential site, with oversight of the Preceptor and/or Pharmacist where appropriate or necessary.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Column 1:****Standard Key Element** | **Column 2:****Didactic Content and Topics** | **Column 3:** **Sample Simulation Activities** | **Column 4:** **Sample Experiential Activities** |
| Key Elements are descriptions of what learners must be able to do, to achieve the associated aspects and competencies to meet the Standard. | Didactic content and topic examples to teach learners, so they may obtain the knowledge and ability to meet the Key Elements. | Sample activities for the simulated (lab) portion of the program that teach learners, so they may obtain the knowledge and ability to meet the Key Elements. | Sample activities for the experiential portion of the program that teach learners, so they may obtain the knowledge and ability to meet the Key Elements. |

The *Model Curriculum* Key Elements are categorized into the following areas listed below. For full details of the Model Curriculum, you may
download the document from ASHP’s website here: <https://www.ashp.org/Professional-Development/Technician-Program-Accreditation/Accreditation-Standards>

**STANDARD CATEGORIES:**

1. **Personal/Interpersonal Knowledge and Skills**
2. **Foundational Professional Knowledge and Skills**
3. **Processing and Handling of Medications and Medication Orders**
4. **Patient Care, Quality and Safety Knowledge and Skills**
5. **Regulatory and Compliance Knowledge and Skills**
6. **Authority and Responsibility provided to Program Director**
7. **Strategic Plan**
8. **Advisory Committee**
9. **Curricular Length**
10. **Curricular Composition and Delivery**
11. **Student Recruitment, Acceptance, Enrollment, and Representation**
12. **Faculty/Instructors**
13. **Documentation**
14. **Assessment of Competency Expectations**
15. **Assessments of Structure and Process**

**CURRICULUM CROSSWALK TEMPLATE**

Based on the FIFTH EDITION of the MODEL CURRICULUMfor Pharmacy Technician Education and Training Programs

**PURPOSE**

This Curriculum Crosswalk Template is being provided as a simple and standardized means of ensuring your Pharmacy Technician Education and Training Program’s educational activities and curriculum satisfy the ASHP/ACPE Standards for Pharmacy Technician Education and Training (Standards) approved in June, 2018 (effective January 1, 2019). This template utilizes the Model Curriculum format, to ensure all Key Elements of the Standards are accounted for in your pharmacy technician education and training program, providing expandable space for curriculum and learning activities to be added into the Learning Modality columns. This tool will help ensure your program has accounted for all the necessary learning activities to satisfy the Standards, while allowing for continual revisions as your program grows and evolves over the years. This template also helps identify any potential gaps in the learning activities your program provides, allowing for your program to develop curriculum to enhance your program offerings, and ensure a comprehensive approach to Pharmacy Technician Education and Training.

**DOCUMENTATION**

Pharmacy Technician Education and Training Programs will be required to utilize this Curriculum Crosswalk template as a means of demonstrating the curriculum, instruction, and learning activities provided by a program meet the ASHP/ACPE Standards for Pharmacy Technician Education and Training. This documentation will need to be provided by your program for accreditation purposes, so it is important that this tool be utilized, updated and maintained, and kept in your program’s records.

**HOURS OF INSTRUCTION**

The grid below is provided so your Pharmacy Technician Education and Training Program may tally an estimate total number of instructional and learning activity hours provided to your learners to achieve either the Entry-Level and/or Advanced-Level program, as defined by the Standards. The minimum number of hours per program type, as defined in Standard 9: Curricular Length, are provided for your quick reference.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PROGRAMTYPE | HOURS IN PROGRAM | LEARNING MODALITY | MINIMUM HOURS |  | PROGRAMTYPE | HOURS IN PROGRAM | LEARNING MODALITY | MINIMUM HOURS |
| **ENTRY-LEVEL** |  | Didactic | 120 |  |  **ADVANCED-LEVEL** |  | Didactic | 160 |
|  | Simulated | 50 |  | Simulated | 100 |
|  | Experiential | 130 |  | Experiential | 200 |
| TOTAL: |  | Minimum Total: | **400** | TOTAL: |  | Minimum Total: | **600** |
|  |

**Please complete the information on your program in the spaces provided below:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROGRAM NAME:** |  |  | **PROGRAM CODE:** |  |
|  |  |  |  |  |
| **DIRECTOR NAME:** |  |  | **PROGRAM TYPE:**  |  |
|  |  |  | (Entry / Advanced / Entry & Advanced) |
| **DIRECTOR EMAIL:** |  |  | **CONTACT PHONE #:** |  |

**INSTRUCTIONS**

For each Key Element, write (or copy and paste) in the appropriate columns the portion of your program’s curriculum that fulfill the necessary instruction and learning activities for learners to comprehend, demonstrate, and achieve the Key Element. Use the appropriate spaces to estimate the duration of the instruction/learning activities and indicate in which course(s) the learning takes place. *Do NOT include every instance where a topic may be mentioned, (i.e., individual lectures, presentations, etc.), but rather indicate specific courses where a topic/skill-set is discussed/practiced for a* ***minimum duration of 0.25 hour****).* **This documentation is required for program review for accreditation purposes.**

**EXAMPLE**

Provided below is an example of how completed content regarding your program’s curricular instruction/learning activities may look (example content in red text). Reference this example and the Model Curriculum for guidance when completing this form.

|  |  |
| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.18** Explain accepted procedures in purchasing pharmaceuticals, devices, and supplies.  |  *Instructor:* Teach/Train/Explain/Define/Reviewthe accepted purchasing procedures for pharmaceuticals, devices, and supplies. | *(Here you can see, for some Key Elements, an activity may not be applicable to a particular learning modality. This is acceptable. No content is necessary if this is case, or you may enter “N/A”)* | *Example:*Observe and then describe the experiential site’s procedures for purchasing pharmaceuticals, devices, and supplies. |
| **HOUR(S):** | 2.25 | N/A | 2.75 |
| **COURSE(S):** | Intro to Pharmacy Technician – ALTH1121 | N/A | Pharmacy Practicum - ALTH1125 |

**STANDARD 1: Personal/Interpersonal Knowledge and Skills**

|  |  |
| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.1** Demonstrate ethical conduct. |  |   |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

|  |  |
| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.2** Present an image appropriate for the profession of pharmacy in appearance and behavior. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

|  |  |
| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.3** Demonstrate active and engaged listening skills. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.4** Communicate clearly and effectively, both verbally and in writing. |   |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.5** Demonstrate a respectful and professional attitude when interacting with diverse patient populations, colleagues, and professionals. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

|  |  |
| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.6** Apply self-management skills, including time, stress, and change management. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.7** Apply interpersonal skills, including negotiation skills, conflict resolution, customer service, and teamwork. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.8** Demonstrate problem solving skills.  |  |   |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.9** Demonstrate capability to manage or supervise pharmacy technicians in matters such as conflict resolution, teamwork, and customer service. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.10** Apply critical thinking skills, creativity, and innovation. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.11** Apply supervisory skills related to human resource policies and procedures. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **1.12** Demonstrate the ability to effectively and professionally communicate with other healthcare professionals, payors and other individuals necessary to serve the needs of patients and practice. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

**STANDARD 2: Foundational Professional Knowledge and Skills**

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.1** Explain the importance of maintaining competency through continuing education and continuing professional development.  |  |  |   |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.2** Demonstrate ability to maintain confidentiality of patient information, and understand applicable state and federal laws.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.3** Describe the pharmacy technician’s role, pharmacist’s role, and other occupations in the healthcare environment.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.4** Describe wellness promotion and disease prevention concepts.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.5** Demonstrate basic knowledge of anatomy, physiology and pharmacology, and medical terminology relevant to the pharmacy technician’s role.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.6** Perform mathematical calculations essential to the duties of pharmacy technicians in a variety of settings.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.7** Explain the pharmacy technician's role in the medication-use process.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.8** Practice and adhere to effective infection control procedures.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.9** Describe investigational drug process, medications being used in off-label indications, and emerging drug therapies*.*  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.10** Describe further knowledge and skills required for achieving advanced competencies.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **2.11** Support wellness promotion and disease prevention programs.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

**STANDARD 3: Processing and Handling of Medications and Medication Orders**

|  |  |
| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.1** Assist pharmacists in collecting, organizing, and recording demographic and clinical information for the *Pharmacists’ Patient Care Process*.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.2** Receive, process, and prepare prescriptions/ medication orders for completeness, accuracy, and authenticity to ensure safety. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.3** Assist pharmacists in the identification of patients who desire/require counseling to optimize the use of medications, equipment, and devices.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.4** Prepare patient-specific medications for distribution.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.5** Prepare non-patient-specific medications for distribution.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.6** Assist pharmacists in preparing, storing, and distributing medication products including those requiring special handling and documentation.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.7** Assist pharmacists in the monitoring of medication therapy.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.8** Maintain pharmacy facilities and equipment.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.9** Use information from Safety Data Sheets (SDS), National Institute of Occupational 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.  |  |   |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.10** Describe Food and Drug Administration product tracking, tracing and handling requirements. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.11** Apply quality assurance practices to pharmaceuticals, durable and non-durable medical equipment, devices, and supplies. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **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. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.13** Use current technology to ensure the safety and accuracy of medication dispensing.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.14** Collect payment for medications, pharmacy services, and devices.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.15** Describe basic concepts related to preparation for sterile and non-sterile compounding.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.16** Prepare simple non-sterile medications per applicable USP chapters (e.g., reconstitution, basic ointments and creams).  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.17** Assist pharmacists in preparing medications requiring compounding of non-sterile products.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.18** Explain accepted procedures in purchasing pharmaceuticals, devices, and supplies.  |   |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.19** Explain accepted procedures in inventory control of medications, equipment, and devices.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.20** Explain accepted procedures utilized in identifying and disposing of expired medications.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.21** Explain accepted procedures in delivery and documentation of immunizations.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.22** Prepare, store, and deliver medication products requiring special handling and documentation.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.23** Prepare compounded sterile preparations per applicable, current USP Chapters.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.24** Prepare medications requiring moderate and high level non-sterile compounding as defined by USP (e.g., suppositories, tablets, complex creams).  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.25** Prepare or simulate chemotherapy/hazardous drug preparations per applicable, current USP Chapters.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.26** Initiate, verify, and manage the adjudication of billing for complex and/or specialized pharmacy services and goods.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| --- | --- |
| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.27** Apply accepted procedures in purchasing pharmaceuticals, devices, and supplies.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.28** Apply accepted procedures in inventory control of medications, equipment, and devices.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.29** Process, handle, and demonstrate administration techniques and document administration of immunizations and other injectable medications. |  |  |  |
| **HOUR(S):** |  |  |  |
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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.30** Apply the appropriate medication use process to investigational drugs, medications being used in off-label indications, and emerging drug therapies as required. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **3.31** Manage drug product inventory stored in equipment or devices used to ensure the safety and accuracy of medication dispensing. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

**Standard 4: Patient Care, Quality and Safety Knowledge and Skills**

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.1** Explain the [*Pharmacists’ Patient Care Process*](https://jcpp.net/patient-care-process/) and describe the role of the pharmacy technician in the patient care process. |   |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.2** Apply patient- and medication-safety practices in aspects of the pharmacy technician's roles.  |  |  |  |
| **HOUR(S):** |  |  |  |
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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.3** Explain how pharmacy technicians assist pharmacists in responding to emergent patient situations, safely and legally.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.4** Explain basic safety and emergency preparedness procedures applicable to pharmacy services.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.5** Assist pharmacist in the medication reconciliation process.  |  |  |  |
| **HOUR(S):** |  |  |  |
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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.6** Explain point of care testing. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.7** Explain pharmacist and pharmacy technician roles in medication management services.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.8** Describe best practices regarding quality assurance measures according to leading quality organizations. |   |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.9** Verify measurements, preparation, and/or packaging of medications produced by other healthcare professionals.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.10** Perform point-of-care testing to assist pharmacist in assessing patient's clinical status. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.11** Participate in the operations of medication management services. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.12** Participate in technical and operational activities to support the [*Pharmacists’ Patient Care Process*](https://jcpp.net/patient-care-process/)as assigned. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **4.13** Obtain certification as a Basic Life Support Healthcare Provider.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

**Standard 5: Regulatory and Compliance Knowledge and Skills**

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.1** Describe and apply state and federal laws pertaining to processing, handling and dispensing of medications including controlled substances. |  |  |  |
| **HOUR(S):** |  |  |  |
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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.2** Describe state and federal laws and regulations pertaining to pharmacy technicians. |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.3** Explain that differences exist between states regarding state regulations, pertaining to pharmacy technicians, and the processing, handling and dispensing of medications.  |   |  |  |
| **HOUR(S):** |  |  |  |
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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.4** Describe the process and responsibilities required to obtain and maintain registration and/or licensure to work as a pharmacy technician.  |  |  |  |
| **HOUR(S):** |  |  |  |
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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.5** Describe pharmacy compliance with professional standards and relevant legal, regulatory, formulary, contractual, and safety requirements.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.6** Describe Occupational Safety and Health Administration (OSHA), National Institute of Occupational Safety and Health (NIOSH), and United States Pharmacopeia (USP) requirements for prevention and treatment of exposure to hazardous substances (e.g., risk assessment, personal protective equipment, eyewash, spill kit). |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.7** Describe OSHA requirements for prevention and response to blood-borne pathogen exposure (e.g., accidental needle stick, post-exposure prophylaxis).  |   |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ENTRY-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.8** Describe OSHA Hazard Communication Standard (i.e., “Employee Right to Know”). |  |   |  |
| **HOUR(S):** |  |  |  |
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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.9** Participate in pharmacy compliance with professional standards and relevant legal, regulatory, formulary, contractual, and safety requirements.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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| ADVANCED-LEVEL | LEARNING MODALITIES |
| KEY ELEMENT | **Didactic** | **Simulated (Lab)** | **Experiential** |
| **5.10** Describe major trends, issues, goals, and initiatives taking place in the pharmacy profession.  |  |  |  |
| **HOUR(S):** |  |  |  |
| **COURSE(S):** |  |  |  |

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