

**Career and Technical Education  
Adapted CTE Course Blueprint  
of  
Essential Standards**

**Health Occupations Education**  
*7232 Pharmacy Technician*

Public Schools of North Carolina  
State Board of Education • Department of Public Instruction  
Academic Services and Instructional Support  
Division of Career and Technical Education  
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**This Adapted CTE Course Blueprint has been reviewed by business and industry representatives for technical content and appropriateness for the industry.**

## Adapted CTE Course Blueprint of Essential Standards

Essential standards are big, powerful ideas that are necessary and essential for students to know to be successful in a course. Essential standards identify the appropriate verb and cognitive process intended for the student to accomplish. Essential standards provide value throughout a student's career, in other courses, and translate to the next level of education or world of work.

This document lays out the essential standards for a specific course leading to industry certification. The Pharmacy Technician Certification Board (PTCB) is the certifying organization for Pharmacy Technician. The PTCB content outline is used to write the essential standards. The essential standards use Revised Bloom's Taxonomy (RBT) category verbs (remember, understand, apply, analyze, evaluate, create) that reflect the overall intended cognitive outcome of the indicators written by PTCB. Each essential standard and indicator reflects the intended level of learning through two dimensions; The Knowledge Dimension is represented with letters A-C, and the Cognitive Process Dimension by numbers 1-6.

The Adapted CTE Course Blueprint includes units of instruction, essential standard(s) for each unit, and the specific indicators aligned with PTCB. Also included are the relative weights of the units and essential standards within the course. The industry certification reflected in this document is certified pharmacy technician.

This document will help teachers plan for curriculum delivery for the year, prepare daily lesson plans, and construct valid formative, benchmark, and summative assessments. Curriculum for this course is not provided by NCDPI. Industry curriculum providers reviewed and approved for this course collaborated with the North Carolina Department of Public Instruction (NCDPI) to develop a valid and reliable test item bank used to produce a secure postassessment administered by NCDPI. Assessment for this course is written at the level of the **ESSENTIAL STANDARD** and assesses the intended outcome of the sum of its indicators. The following industry curriculum providers participated in the development of the secure test item bank. To assure alignment of the postassessment with the credential, the following curriculum providers have been reviewed and determined to provide curriculum to cover the essential standards. The curriculum provider is PassAssured.

For additional information about this blueprint, contact the Division of Career and Technical Education, North Carolina Department of Public Instruction, 6361 Mail Service Center, Raleigh, North Carolina 27699-6361.

Reference: Anderson, Lorin W. (Ed.), Krathwohl, David R. (Ed.), et al., *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*, Addison Wesley Longman, Inc., New York, 2001.

### Interpretation of Columns on the NCDPI Adapted CTE Course Blueprint

No.	1	2	3	4
Heading	Essential Std #	Unit Titles, Essential Standards, and Indicators	Course Weight	RBT Designation
<b>Column information</b>	Unique course identifier and essential standard number.	Statements of unit titles, essential standards per unit, and specific indicators per essential standard. If applicable, includes % for each indicator.	Shows the relative importance of each unit and essential standard. Course weight is used to help determine the percentage of total class time to be spent on each essential standard.	Classification of outcome behavior in essential standards and indicators in Dimensions according to the Revised Bloom's Taxonomy.  <b>Cognitive Process Dimension:</b> 1 Remember 2 Understand 3 Apply 4 Analyze 5 Evaluate 6 Create  <b>Knowledge Dimension:</b> A Factual Knowledge B Conceptual Knowledge C Procedural Knowledge

*Career and Technical Education conducts all activities and procedures without regard to race, color, creed, national origin, gender, or disability. The responsibility to adhere to safety standards and best professional practices is the duty of the practitioners, teachers, students, and/or others who apply the contents of this document.*

*Career and Technical Student Organizations (CTSO) are an integral part of this curriculum. CTSOs are strategies used to teach course content, develop leadership, citizenship, responsibility, and proficiencies related to workplace needs.*

**Adapted CTE Course Blueprint of Essential Standards for  
7232 Pharmacy Technician**  
(Recommended hours of instruction: 135-180)

Essential Std #	Units, Essential Standards, and Indicators (The Learner will be able to:)	Course Weight	RBT Designation
1	2	3	4
	<b>Total Course Weight</b>	<b>100%</b>	
<b>A</b>	<b>ROLE OF THE PHARMACY TECHNICIAN</b>	<b>70%</b>	
<b>1.00</b>	<b>Understand legislation regulating the role of pharmacy technicians.</b>	<b>11%</b>	<b>B2</b>
	1.01 Understand the role of the Pharmacy Technician Certification Board. 1.02 Understand federal law.		
<b>2.00</b>	<b>Understand the importance of maintaining data.</b>	<b>8%</b>	<b>B2</b>
	2.01 Understand patient records. 2.02 Understand pharmacy inventory.		
<b>3.00</b>	<b>Understand medication classifications, compounding, and dosage calculations.</b>	<b>43%</b>	<b>B2</b>
	3.01 Understand classifications of medications.		
	3.02 Understand compounding medications.		
	3.03 Understand use of math in preparing medications.		
<b>4.00</b>	<b>Understand the pharmacy technician's role in providing pharmacy services.</b>	<b>8%</b>	<b>B2</b>
	4.01 Understand processing prescriptions. 4.02 Understand how to provide medication to patient/patient representative.		
<b>B</b>	<b>PHARMACY SERVICES PAYMENT AND OPERATIONS</b>	<b>30%</b>	
<b>5.00</b>	<b>Understand the process of payment for pharmacy services.</b>	<b>15%</b>	<b>B2</b>
	5.01 Understand payment of pharmacy services.		
	5.02 Understand components of third-party reimbursement.		
<b>6.00</b>	<b>Apply skills used in pharmacy operations.</b>	<b>15%</b>	<b>C3</b>
	6.01 Understand components of pharmacy operations.		
	6.02 Apply pharmacy operations skills in a pharmacy setting.		