

# Career and Technical Education Course Blueprint of Essential Standards

## Health Science Education

### *7242 Health Science II*

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 blueprint has been reviewed by business and industry representatives for technical content and appropriateness for the industry. Contact [healthoccupations@dpi.nc.gov](mailto:healthoccupations@dpi.nc.gov) for more information.

## CTE Course Blueprint of Essential Standards

A course blueprint lays out the framework of the curriculum for a given course.

The blueprint includes units of instruction, essential standards in each unit, and the specific objectives for each essential standard. The blueprint illustrates the relative weight of the units, essential standards, and objectives within the course. Each essential standard and objective reflects the intended level of learning through two dimensions that reflect the Revised Bloom's Taxonomy (RBT). The Knowledge Dimension is represented with letters A-D, and the Cognitive Process Dimension is represented by numbers 1-6.

The blueprint should be used by teachers to plan the course of work for the year, prepare daily lesson plans, and construct instructionally valid interim assessments. Statewide assessments are aligned directly with the course blueprint. This blueprint and other aligned curriculum products and assessments are developed using the Revised Bloom's Taxonomy.

For additional information about this blueprint, contact the Division of Career and Technical Education, North Carolina Department of Public Instruction, 6359 Mail Service Center, Raleigh, North Carolina 27699-6359.

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 CTE Course Blueprints of Essential Standards

| No. | Heading   | Column information  |
|-----|---|---|
| 1   | ES#<br>Obj.#  | ES=Essential standard number (two digits); Obj.=Objective number (unique course identifier plus essential standard number and two-digit objective number).  |
| 2   | Unit Titles/Essential Standard and Objective Statements | Statements of unit titles, essential standards per unit, and specific objectives per essential standard. Each essential standard statement or specific objective begins with an action verb and makes a complete sentence when combined with the stem "The learner will be able to. . ." (The stem appears once in Column 2.) Outcome behavior in each essential standard/objective statement is denoted by the verb plus its object. |
| 3   | Local Use   | Space for use by Local Education Agencies.  |
| 4   | Course Weight   | Shows the relative importance of each objective, essential standard, and unit. Course weight is used to help determine the percentage of total class time that is spent on each objective.  |
| 5   | RBT Designation   | Classification of outcome behavior in essential standards and objective statements in Dimensions according to the Revised Bloom's Taxonomy. (Cognitive Process Dimension: 1 Remember, 2 Understand, 3 Apply, 4 Analyze, 5 Evaluate, 6 Create) (Knowledge Dimension: A Factual Knowledge, B Conceptual Knowledge, C Procedural Knowledge).   |
| 6   | Integrated Skill Area                                   | Shows links to other academic areas. Integrated skills codes: A=Arts; E=English Language Arts; CD=Career Development; CS=Information/Computer Skills; H=Healthful Living; M=Math; SC=Science; SS=Social Studies.  |
| 7   | Core Supp   | Designation of the essential standards and objectives as Core or Supplemental. Essential standards and objectives designated "Core" must be included in the Annual Planning Calendar and are assessed on the statewide assessments.   |

*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.*

**HEALTH SCIENCE EDUCATION**  
**COURSE BLUEPRINT OF ESSENTIAL STANDARDS for 7242 HEALTH SCIENCE II**  
(Hours of instruction: 135-180)

| ES #<br>Obj # | Unit Titles/Essential Standard and Objective Statements<br>(The Learner will be able to:) | Local Use | Course Weight | RBT Designation | Integrated Skill Areas | Core Supp   |
|---------------|---|-----------|---------------|-----------------|------------------------|-------------|
| 1             | 2   | 3         | 4             | 5               | 6                      | 7           |
|               | <b>Total Course Weight</b>  |           | <b>100%</b>   |                 |                        |             |
| <b>A</b>      | <b>HEALTHCARE FOUNDATION STANDARDS, SAFETY, AND INFECTION CONTROL</b>                     |           | <b>43%</b>    |                 |                        |             |
| <b>1.00</b>   | <b>Understand healthcare foundation standards.</b>  |           | <b>29%</b>    | <b>B2</b>       | <b>CD/H/SC</b>         | <b>Core</b> |
| 1.01          | <i>Remember elements of healthcare career decision making.</i>                            |           | 3%            | A1              | CD/H/SC                | Core        |
| 1.02          | <i>Understand effective communication.</i>  |           | 5%            | B2              | E/H                    | Core        |
| 1.03          | <i>Understand healthcare agencies, finances, and trends.</i>                              |           | 7%            | B2              | H                      | Core        |
| 1.04          | <i>Understand legal and ethical issues in healthcare.</i>                                 |           | 5%            | B2              | H                      | Core        |
| 1.05          | <i>Understand concepts of teamwork.</i>   |           | 4%            | B2              | H/SS                   | Core        |
| 1.06          | <i>Understand the fundamentals of wellness.</i>   |           | 5%            | B2              | H                      | Core        |
| <b>2.00</b>   | <b>Understand safety and infection control procedures.</b>                                |           | <b>14%</b>    | <b>B2</b>       | <b>H/SC</b>            | <b>Core</b> |
| 2.01          | <i>Understand safety procedures.</i>  |           | 7%            | B2              | H                      | Core        |
| 2.02          | <i>Understand infection control procedures.</i>   |           | 7%            | B2              | H/SC                   | Core        |
| <b>B</b>      | <b>HEALTH SCIENCE STANDARDS AND EMERGENCY PROCEDURES</b>                                  |           | <b>57%</b>    |                 |                        |             |
| <b>3.00</b>   | <b>Understand health science standards.</b>   |           | <b>37%</b>    | <b>B2</b>       | <b>H/SC</b>            | <b>Core</b> |
| 3.01          | <i>Understand diagnostic and therapeutic services.</i>                                    |           | 18%           | B2              | H/SC                   | Core        |
| 3.02          | <i>Understand health informatics.</i>   |           | 7%            | B2              | H/SC                   | Core        |
| 3.03          | <i>Understand support services.</i>   |           | 5%            | B2              | H/SC                   | Core        |
| 3.04          | <i>Understand biotechnology research and development.</i>                                 |           | 7%            | B2              | H/SC                   | Core        |
| <b>4.00</b>   | <b>Apply procedures to provide basic emergency care</b>                                   |           | <b>20%</b>    | <b>C3</b>       | <b>H/SC</b>            | <b>Core</b> |
| 4.01          | <i>Apply procedures to provide CPR.</i>   |           | 15%           | C3              | H/SC                   | Core        |
| 4.02          | <i>Apply procedures to provide first aid.</i>   |           | 5%            | C3              | H/SC                   | Core        |
| 4.03          | <i>Apply procedures to complete clinical internship</i>                                   |           |               |                 | Supplemental           |             |