

# VoCATS

## Course Blueprints

### Health Occupations Education

#### *7212 Allied Health Sciences II*

*Public Schools of North Carolina  
State Board of Education • Department of Public Instruction  
Office of Instructional and Accountability Services  
Division of Instructional Services*

*Raleigh, North Carolina  
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## VoCATS Course Blueprint

A course blueprint is a document laying out the framework of the curriculum for a given course.

Shown on the blueprint are the units of instruction, the core competencies in each unit, and the specific objectives for each competency. The blueprint illustrates the recommended sequence of units and competencies and the cognitive and performance weight of the objective within the course.

The blueprint is intended to be used by teachers in planning the course of work for the year, preparing daily lesson plans, and constructing instructionally valid assessments.

For additional information about this blueprint, contact program area staff. For additional information about the VoCATS Competency Achievement Tracking System, contact program area staff or VoCATS, Workforce Development, Division of Instructional Services, North Carolina Department of Public Instruction, 301 North Wilmington Street, Raleigh, North Carolina 27601-2825, 919/715-1674, email: [rwelfare@dpi.state.nc.us](mailto:rwelfare@dpi.state.nc.us).

### Interpretation of Columns on VoCATS Course Blueprints

| No. | Heading  | Column information  |
|-----|--|---|
| 1   | Comp#<br>Obj.#   | Comp=Competency number (three digits); Obj.=Objective number (competency number plus two-digit objective number).   |
| 2   | Unit<br>Titles/Competency<br>and Objective<br>Statements | Statements of unit titles, competencies per unit, and specific objectives per competency. Each competency 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 competency/objective statement is denoted by the verb plus its object.  |
| 3   | Time<br>Hrs  | Space for teachers to calculate time to be spent on each objective based on the course blueprint, their individual school schedule, and the students' performance on preassessments.  |
| 4&5 | <u>Course Weight</u><br><br>Cognitive<br><br>Performance | Shows the relative importance of each objective, competency, and unit. Weight is broken down into two components: cognitive and performance. Add the cognitive and performance weights shown for an objective in columns 4 and 5 to determine its total course weight. Course weight is used to help determine the percentage of total class time that is spent on each objective. The VoCATS Annual Planning Calendar shows how to use the course weight to determine the approximate number of days to be devoted to each objective.<br><br>The breakdown in columns 4 and 5 indicates the relative amount of class time that should be devoted to cognitive and performance activities as part of the instruction and assessment of each objective. Objectives with performance weight should include performance activities as part of instruction and/or assessment. |
| 6   | Type<br>Behavior   | Classification of outcome behavior in competency and objective statements. (C=Cognitive; P=Psychomotor; A=Affective)  |
| 7   | Integrated<br>Skill Area                                 | Shows links to other academic areas. Integrated skills codes: A=Arts; C=Communications; CD=Career Development; CS=Information/Computer Skills; H=Health and Safety; M=Math; SC=Science; SS=Social Studies.  |
| 8   | Core<br>Supp   | Designation of the competencies and objectives as Core or Supplemental. Competencies and objectives designated "Core" must be included in the Annual Planning Calendar and are assessed on the statewide pre- and postassessments..   |

*Workforce Development 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.*

**HEALTH OCCUPATIONS EDUCATION**  
**COURSE BLUEPRINT for 7212 Allied Health Sciences II**  
 [Recommended hours of instruction: 270-330 hours]

| Comp #<br>Obj # | Unit Titles/Competency and Objective Statements<br>(The Student will be able to:) | Time<br>Hours | Course Weight |             | Type<br>Behavior | Integrated<br>Skill Area | Core<br>Supp |
|-----------------|---|---------------|---------------|-------------|------------------|--------------------------|--------------|
|                 |   |               | Cognitive     | Performance |                  |                          |              |
| 1               | 2   |               | 4             | 5           | 6                | 7                        | 8            |
|                 |   |               | <b>100%</b>   |             |                  |                          |              |
|                 | <b>Total Course Weight</b>  |               | <b>43%</b>    | <b>57%</b>  |                  |                          |              |
|                 | <b>A HEALTH CARE SYSTEMS</b>  |               |               |             |                  |                          |              |
| <b>2H01.</b>    | <b>Analyze the health care delivery system.</b>                                   |               | <b>2%</b>     |             | <b>C3</b>        | <b>SS/H</b>              | <b>Core</b>  |
| 2H01.01         | Analyze health care facilities, including government and non-profit agencies.     |               | 1%            |             | C3               | SS/H                     | Core         |
| 2H01.02         | Explore health insurance, organizational structure, and trends in health care.    |               | 1%            |             | C3               | SS/H                     | Core         |
|                 | <b>B CLIENT COMMUNICATIONS</b>  |               |               |             |                  |                          |              |
| <b>1H02.</b>    | <b>Apply interpersonal communication skills in health care settings.</b>          |               | <b>5%</b>     |             | <b>C3</b>        | <b>C/H/SS</b>            | <b>Core</b>  |
| 2H02.01         | Apply medical terminology and abbreviations.                                      |               | 2%            |             | C3               | C/H/SS                   | Core         |
| 2H02.02         | Analyze effective and ineffective communication practices.                        |               | 2%            |             | C3               | C/H/SS                   | Core         |
| 2H02.03         | Apply customer service skills in a health care setting.                           |               | 1%            |             | C3               | C/H/SS                   | Core         |
|                 | <b>C EMPLOYABILITY SKILLS</b>   |               |               |             |                  |                          |              |
| <b>2H03.</b>    | <b>Practice effective employability skills.</b>                                   |               | <b>3%</b>     | <b>1%</b>   | <b>C3</b>        | <b>C/SS</b>              | <b>Core</b>  |
| 2H03.01         | Demonstrate the professional qualities of a health care worker.                   |               | 1%            |             | C3               | C/SS                     | Core         |
| 2H03.02         | Prepare for the world of work.  |               | 2%            | 1%          | C3               | C/SS                     | Core         |
|                 | <b>D LEGAL AND ETHICAL RESPONSIBILITIES</b>                                       |               |               |             |                  |                          |              |
| <b>2H04.</b>    | <b>Apply appropriate legal and ethical behaviors.</b>                             |               | <b>5%</b>     |             | <b>C3</b>        | <b>C/SS</b>              | <b>Core</b>  |
| 2H04.01         | Analyze legal roles and responsibilities.   |               | 2%            |             | C3               | C/SS                     | Core         |
| 2H04.02         | Evaluate ethical behavior in a health care setting.                               |               | 1%            |             | C3               | C/SS                     | Core         |
| 2H04.03         | Explore legal and ethical issues related to death and dying.                      |               | 2%            |             | C3               | C/SS                     | Core         |
|                 | <b>E SAFETY PRACTICES</b>   |               |               |             |                  |                          |              |
| <b>2H05.</b>    | <b>Promote safety practices in a health care setting.</b>                         |               | <b>2%</b>     | <b>1%</b>   | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H05.01         | Apply body mechanics and client safety measures.                                  |               | 1%            | 1%          | C3               | H/SC                     | Core         |
| 2H05.02         | Observe fire safety regulations.  |               | 1%            |             | C3               | H/SC                     | Core         |
| <b>F</b>        | <b>INFECTION CONTROL</b>  |               |               |             |                  |                          |              |

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|-----------------|---|---------------|---------------|-------------|------------------|--------------------------|--------------|
|                 |   |               | Cognitive     | Performance |                  |                          |              |
| 1               | 2   |               | 4             | 5           | 6                | 7                        | 8            |
| <b>2H06.</b>    | <b>Apply infection control measures in a clinical setting.</b>                    |               | <b>2%</b>     | <b>2%</b>   | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H06.01         | Analyze principles of infection control.  |               | 1%            | 1%          | C3               | H/SC                     | Core         |
| 2H06.02         | Maintain sterile technique and isolation.   |               | 1%            | 1%          | C3               | H/SC                     | Core         |
| <b>G</b>        | <b>EMERGENCY CARE SKILLS</b>  |               |               |             |                  |                          |              |
| <b>2H07.</b>    | <b>Provide first aid in an emergency setting.</b>                                 |               | <b>4%</b>     | <b>4%</b>   | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H07.01         | Acquire certification in cardiopulmonary resuscitation.                           |               | 2%            | 2%          | C3               | H/SC                     | Core         |
| 2H07.02         | Provide basic first aid.  |               | 2%            | 4%          | C3               | H/SC                     | Core         |
| <b>H</b>        | <b>DIAGNOSTIC SKILLS</b>  |               |               |             |                  |                          |              |
| <b>2H08.</b>    | <b>Apply diagnostic skills in a clinical setting.</b>                             |               | <b>4%</b>     | <b>4%</b>   | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H08.01         | Measure and record vital signs.   |               | 2%            | 2%          | C3               | H/SC                     | Core         |
| 2H08.02         | Apply medical assisting and laboratory skills.                                    |               | 2%            | 2%          | C3               | H/SC                     | Core         |
| <b>I</b>        | <b>NUTRITION AND DIET THERAPY</b>   |               |               |             |                  |                          |              |
| <b>2H09.</b>    | <b>Analyze client nutrition and diet therapy.</b>                                 |               | <b>2%</b>     |             | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H09.01         | Analyze patient/client nutritional measures.                                      |               | 1%            |             | C3               | H/SC                     | Core         |
| 2H09.02         | Evaluate therapeutic diets.   |               | 1%            |             | C3               | H/SC                     | Core         |
| <b>J</b>        | <b>DENTAL AND PHARMACY SKILLS</b>   |               |               |             |                  |                          |              |
| <b>2H10.</b>    | <b>Apply skills related to dental and pharmaceutical careers.</b>                 |               | <b>2%</b>     | <b>1%</b>   | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H10.01         | Identify teeth and dental instruments.  |               | 1%            | 1%          | C1               | H/SC                     | Core         |
| 2H10.02         | Work with medications and mathematical conversions.                               |               | 1%            |             | C3               | H/SC                     | Core         |
| <b>K</b>        | <b>NURSING SKILLS</b>   |               |               |             |                  |                          |              |
| <b>2H11.</b>    | <b>Apply patient care skills in a clinical setting.</b>                           |               | <b>6%</b>     | <b>3%</b>   | <b>C3</b>        | <b>H/SC</b>              | <b>Core</b>  |
| 2H11.01         | Position, turn and transfer patients.   |               | 1%            | 1%          | C3               | H/SC                     | Core         |
| 2H11.02         | Make a bed.   |               | 1%            | 1%          | C3               | H/SC                     | Core         |
| 2H11.03         | Administer personal care and apply restraints.                                    |               | 4%            | 1%          | C3               | H/SC                     | Core         |
| <b>L</b>        | <b>THERAPY AND SPORTS MEDICINE</b>  |               |               |             |                  |                          |              |
| <b>2H12.</b>    | <b>Apply therapeutic skills for rehabilitation and injury prevention.</b>         |               | <b>2%</b>     | <b>2%</b>   | <b>C3</b>        | <b>C/H/SC</b>            | <b>Core</b>  |
| 2H12.01         | Demonstrate assistive and therapeutic techniques.                                 |               | 1%            | 1%          | C3               | C/H/SC                   | Core         |
| 2H12.02         | Analyze the therapeutic role of massage therapy and sports medicine.              |               | 1%            | 1%          | C3               | C/H/SC                   | Core         |

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|-----------------|---|---------------|----------------|------------------|------------------|--------------------------|--------------|
|                 |   |               | Cognitive<br>4 | Performance<br>5 |                  |                          |              |
| 1               | 2   |               |                |                  | 6                | 7                        | 8            |
| <b>M</b>        | <b>INFORMATION SERVICES</b>   |               |                |                  |                  |                          |              |
| <b>2H13.</b>    | <b>Apply business skills in a health care setting.</b>                            |               | <b>2%</b>      |                  | <b>C3</b>        | <b>M/C</b>               | <b>Core</b>  |
| <i>2H13.01</i>  | <i>File records using the alphabetical and numerical systems.</i>                 |               | <i>1%</i>      |                  | <i>C3</i>        | <i>M/C</i>               | <i>Core</i>  |
| <i>2H13.02</i>  | <i>Use telephone and scheduling techniques.</i>                                   |               | <i>1%</i>      |                  | <i>C3</i>        | <i>C</i>                 | <i>Core</i>  |
| <b>N</b>        | <b>ENVIRONMENTAL AND MEDICAL CAREERS</b>  |               |                |                  |                  |                          |              |
| <b>2H14.</b>    | <b>Analyze environmental and public health issues.</b>                            |               | <b>2%</b>      | <b>1%</b>        | <b>C3</b>        | <b>H/SC/SS</b>           | <b>Core</b>  |
| <i>2H14.01</i>  | <i>Evaluate careers and services related to environmental and public health.</i>  |               | <i>1%</i>      |                  | <i>C3</i>        | <i>H/SC/SS</i>           | <i>Core</i>  |
| <i>2H14.02</i>  | <i>Demonstrate medical assessment skills.</i>                                     |               | <i>1%</i>      | <i>1%</i>        | <i>C3</i>        | <i>H/SC</i>              | <i>Core</i>  |
| <b>O</b>        | <b>CAREER SPECIALTY</b>   | <b>15-45</b>  |                | <b>5 - 16%</b>   | <b>C3</b>        | <b>H/SC/C</b>            | <b>Core</b>  |
| <b>2H15.</b>    | <b>Develop and apply skills related to a specific career goal.</b>                |               |                |                  |                  |                          |              |
| <b>P</b>        | <b>CLINICAL INTERNSHIP</b>  | <b>60-90</b>  |                | <b>22 - 33%</b>  | <b>C3</b>        | <b>H/SC/C</b>            | <b>Core</b>  |
| <b>2H16.</b>    | <b>Apply skills in a clinical setting.</b>  |               |                |                  |                  |                          |              |