

April 21, 2011

Health Science Programming in Wisconsin

The health care industry is vital to Wisconsin and continues to grow every year. According to the Wisconsin Department of Workforce Development, health care occupations represent four of the top ten industries with the most new jobs 2008-2018. High school health science programs introduce students to a wide range of health care careers and begin preparation for the future.

Programs of Study

Health Science is an important part of Career and Technical Education (CTE) in Wisconsin. National Career Pathways include:

- Biotechnology Research and Development
- Therapeutic Services
- Diagnostic Services
- Health Informatics
- Support Services

Programs of Study, as defined by Carl D. Perkins Act of 2006 (CPA), may be adopted by local education agencies and postsecondary institutions to be offered as an option to students when planning for and completing future coursework for career and technical content areas.

1. Incorporate secondary education and postsecondary education elements;
2. Include coherent and rigorous content aligned with challenging academic standards and relevant career and technical content in a coordinated, non-duplicative progression of courses that align secondary education with postsecondary education to adequately prepare students to succeed in postsecondary education;
3. May include the opportunity for secondary education students to participate in dual or concurrent enrollment programs or other ways to acquire postsecondary education credits; and
4. Lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or baccalaureate degree.

Courses in Health Science Programming

The following list includes courses that may be part of a Health Science Program of Study. The codes provided refer to the Coursework Completion System.

- Exploration of Health Care Occupations, Code 14001
- Comprehensive Health Care Occupations, Code 14002
- Nursing Assistant (with clinical portion taught by an RN with long-term care experience), Code 14051
- Care of Athletes (Sports Medicine), Code 14062
- Medical/Clerical Assisting, Code 14151
- Medical Terminology, Code 14154
- Health Science, Code 14251
- Biotechnology, Code 14252

- Anatomy and Physiology, Code 03053
- *School districts may have a variety of names for the above courses.*
- *Other courses in the Coursework Completion System may be part of Health Science Programs of Study as needed. Link to the system at <http://www.dpi.state.wi.us/lbstat/cwcsapp.html>.*

Licensure

There is no longer a specific PI-34 teacher licensure for Health Science in Wisconsin. Health Science courses may be taught by other Wisconsin licensed instructors.

CTE licensed instructors who teach specific courses listed in a health science pathway are usually licensed in:

- family and consumer science education - DPI License Numbers 210, 215, 216
- business and information technology education - DPI License Numbers 250, 281

Non-CTE licensed teachers, but who have the following license(s), could also teach Health Science courses if the content aligns with health science standards:

- health education - DPI License Number 910
- broadfield science - DPI License Number 601
- biology/life science - DPI License Number 605

The below example of courses may be taught by appropriately licensed teachers, which allows for flexibility within districts. The health science course content aligns with the standards of the subject area for which the teacher is licensed. For example, family and consumer science standards align with the content in health science courses, therefore a family and consumer science teacher is appropriately licensed to teach certain health science courses. **The local district assures this alignment.**

Examples of Course and Licensure Configurations within Health Science Career Pathways

Note: These are merely examples. Other configurations are possible.

Licensed Teacher

Configuration 1

- | | |
|---|-----------------------------|
| • Introduction to Health Science | Family and Consumer Science |
| • Medical Terminology | Family and Consumer Science |
| • Anatomy and Physiology | Science |
| • Certified Nursing Assisting | Family and Consumer Science |
| ○ co-taught by RN with three years experience in long-term care | |

Configuration 2

- | | |
|--|-------------------------------------|
| • Introduction to Health Science Careers | Family and Consumer Science |
| • Advanced Health Science Careers | Family and Consumer Science |
| • Medical Terminology | Health |
| • Certified Nursing Assisting | Technical College System Instructor |

Configuration 3

- Introduction to Health Science Careers Family and Consumer Science
- Medical Terminology Science
- Medical Assisting and Office Procedures Business and Information Technology

Configuration 4

- Introduction to Health Science Careers Family and Consumer Science
- Medical Terminology Business and Information Technology
- Anatomy and Physiology Science
- Sports Medicine Health

Configuration 5

- Introduction to Health Science Careers Family and Consumer Science
- Medical Terminology Technical College System Instructor
- Medical Careers Health
- Anatomy and Physiology Science

Possible Settings for Health Science Courses

There are multiple ways that students access Health Science courses.

Note: Each district determines the best setting for courses within the school.

- Face-to-Face Classroom Instruction
- Distance Learning
- Technical College
- Youth Apprenticeship
- Youth Options
- University

Carl Perkins Funding

Carl Perkins funds can only be used for expenses related to courses within a career pathway that are taught by CTE licensed teachers.

CTEERS Reporting Change

The clarification of the Health Science Programming and teacher licensure has impact on the Carl D. Perkins required reporting system (CTEERS). Please note that this is an exception. The clarification/correction is only for Health Science and not for any other CTE programs! This circumstance is due to the fact that Wisconsin no longer has a specific PI-34 license for Health Science educators.

UPDATES:

Cells 16 and 17 of the CTEERS report: CTE “participants” in health science are students enrolled in a health science course within any health science pathway developed by the local district. The health science course may be taught by a CTE or non-CTE teacher with an appropriate license.

SPECIAL NOTE: A health education course, required for high school graduation (s. 118.33 (1)2 Wis. Stats.), is not considered a Health Science course for purposes of the definition of a CTE participant (or CTE concentrator) in a Health Science Program of Study. Health Education focuses on personal and societal health, not career preparation.

Cell 18 of the CTEERS report: CTE “concentrators” are students who have completed and enrolled in three or more Health Science courses in their chosen health science-related pathway. Students are counted as Health Science concentrators no matter if the courses are taught by CTE teachers or teachers with other licensures. Again, the required health education course may not be counted as one of the three courses to meet the definition of a CTE concentrator.

PLEASE DO THE FOLLOWING:

Replace the following “Definitions” information with the one found on page 13 of the current 2010 Field Manual. This correction within a revised Field Manual will be found on the DPI website after May 1, 2011. Career and Technical Education Enrollment Reporting System information can be accessed by visiting <http://www.dpi.wi.gov/cte/veershome.html>.

DEFINITIONS:

Career and technical education (CTE) courses:

Secondary CTE courses, offered through the recognized Wisconsin program areas listed below, must be taught by a CTE instructor licensed for that specific discipline.

- Agriculture and Natural Resources Education
- Business and Information Technology Education
- Family and Consumer Science Education
- Health Science Education**
- Marketing Education
- Technology and Engineering Education

**Exception: Health Science Education may also be taught by a health education instructor and/or a science licensed instructor. For further information, refer to Health Science Programming in Wisconsin, a brief that describes programs of study, courses in health science, licensure, CTEERS reporting, and funding. Visit the Wisconsin Health Science website at www.dpi.wi.gov/hs.

“CTE courses within a chosen pathway”:

A coherent sequence of secondary CTE courses that have been identified as essential for success for post high school career preparation. The courses may cross over multiple CTE program areas. These courses may or may not be part of an operational Program of Study (POS). (See page 14 for definition of an operational POS.)

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