NH Department of Education
Bureau of Career Development

Title: Health Services/Allied Health/Health Sciences, General

CIP#: 51.0000

Definition: A general, introductory, undifferentiated, or joint program in health services occupations that prepares individuals for either entry into specialized training programs or for a variety of concentrations in the allied health area. Includes instruction in the basic sciences, research and clinical procedures, and aspects of the subject matter related to various health occupations.

This Cluster is organized into five career pathways:

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

Careers:

Students in Health Science Technology learn and practice skills that prepare them for diverse post-high school education training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

CTE classes in this cluster will introduce students to a variety of pathways and interesting careers and including:

- Biotechnology Research and Development Pathway:
  Biochemist/Clinical Pharmacologist/ Genetic Counselor/ Lab Technician/ Microbiologist/ Nurse Researcher/ Patent Lawyer/ Product Safety Analyst/Toxicologist
- Support Services Pathway:
  Community Health Worker/ Dietary manager / Facilities manager/ Food Safety Specialist/ Health Advocate/ Medical Interpreter/ Interpreter Services Supervisor/ Occupational Health Nurse
- Diagnostic Services Pathway:

Clinical Lab Technician/ Diagnostic Medical Sonographer/ Geneticist/ Ophthalmologist/ Pathologist/ Radiologist/ Radiology Technologist/ Mammography Technologist

- Therapeutic Services Pathway:
Nurse practitioner/ Physician/ Massage Therapist/ Speech Language Therapist/ Orthodontist/ Psychiatrist/ Physical Therapist/ Psychologist/ Occupational Therapist/ Dental Hygienist/ Dental Therapist/ Dental Assistant/ Dentist/ Dental Specialist/ Athletic Trainer/ Dietician/ Vet Technician/ Human Services
- Health Informatics Pathway: Clinical Account Manager/ Risk manager/ Clinical Data Specialist/ Medical Coder/ Patient Information Coordinator/ Quality Data Analyst/ Risk manager

Note: Each school and school district have different CTE options available. Not every district has classes available in every cluster, nor does every distract offer CTE dual credit and Advanced Placement options.

COMMON COMPETENCIES

Upon completion of their selected pathway program, all NH CTE students will:
- Use correct terminology, vocabulary and appropriate language to communicate effectively in   the workplace.
- Select and safely use appropriate tools, supplies, and equipment for a specific task or set of tasks.
- Employ effective time and project management strategies to complete work efficiently and proficiently.
- Apply math concepts, including measurement, operations, and higher mathematics to relevant applications and specific tasks.
- Demonstrate awareness strategies to safely work in a variety of workspaces and locations.

PATHWAY COMPETENCIES

Upon Completion of the Health Science Technology general pathways, students will achieve competency in 5 areas:

Learner will be able to:

- **Academic Foundation**
  - Students will demonstrate understanding of anatomy, physiology, common diseases and disorders, and principals of medical math applications as they understand the importance of becoming *lifelong learners* in healthcare.
- **Communication (Leadership and Teamwork)**
  - Students will be able to identify roles and responsibilities of individual members as part of the healthcare team. Students will learn the importance of *making*

human connections by demonstrating methods of delivering and obtaining information while communicating effectively to diverse populations. Students will understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.

- **Professional Behavior and Practices**
  - o Students will understand, utilize, and model *employability skills* to enhance employment opportunities and job satisfaction. Students will understand and describe legal and ethical responsibilities, limitations, and implications on healthcare worker actions.

- **Safety and Health Practices**
  - o Students will understand and identify existing and potential hazards to clients, co-workers, and self. Students will *employ and model safe work practices* and healthy behaviors. They will follow health and safety policies and procedures to *prevent illness and injury*. Students will be able to differentiate between wellness and disease while promoting disease prevention.

- **Technology Skills, Systems, and Information Applications**
  - o Students will understand, identify, and appropriately apply skills and *knowledge of how key systems* operate that are commonly required across all health career specialties, and how they affect quality of care and services performed.