



**COURSE SYLLABUS
HEALTH SCIENCE I**

Fall 2022

PROGRAM TITLE: Health Science I

DOE CODES: See above

RECOMMENDED GRADE LEVELS: 10, 11, 12

PREREQUISITES: None

HIGH SCHOOL CREDITS: 3 per semester (6 total per school year)

ELECTIVE INFORMATION: Counts as a Directed Elective or Elective for all diplomas

HOW WCC CAN HELP MEET GRADUATION PATHWAYS:

Pathway 1

CTE elective high school credits

Technical Honors Diploma

Pathway 2

Work-Based Learning

Pathway 3

Technical honors diploma

Industry Certification

2 Advanced CTE Courses

Dual credits

INSTRUCTORS: Jayma Bauer
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PROGRAM DESCRIPTION: Health Science I students study topics such as human anatomy and physiology, medical terminology, medical ethics, CPR, and practical skills applicable to all health-related occupations. Leadership skills developed through participation in the HOSA student organization are also included. Job shadow experiences are completed at local health care facilities throughout one semester of the program. Job seeking and job maintenance skills, personal management skills, and self analysis to aid in career selection are also included.

MAJOR LEARNING OBJECTIVES:

1. Define and properly use prefixes and suffixes with word roots and combining forms to build medical terms.
2. Define medical terms.
3. Define and use medical abbreviations, signs, and symbols accurately.
4. Spell medical terms correctly.
5. Pronounce medical terms correctly.
6. Locate and identify the organs within body systems and define their basic functions.
7. Define common diseases and conditions.
8. Identify selected procedures, treatments, and diagnostic tests.
9. Define and correlate common diseases and conditions to appropriate procedures, treatments, and diagnostic tests.
10. Analyze functions of the human body to determine how to prevent common diseases.
11. Analyze various modes of writing to prepare for communicating in a health care setting.
12. Analyze how the health care professionals' roles fit into their departments.
13. Identify employability skills in order to enhance their employment opportunities and job satisfaction.
14. Analyze the legal responsibilities, limitations, and implications of their actions within the health care delivery setting.
15. Connect accepted ethical practices to cultural, social, and ethnic differences within the healthcare environment to provide quality health care.
16. Evaluate the existing and potential hazards to clients, co-workers, and self.
17. Analyze the roles and responsibilities of individual members of the health care team, to promote the delivery of quality health care.

18. Integrate fundamentals of wellness and the prevention of disease to promote personal health and to recognize wellness as part of health care.
19. Prove competency in basic health care technical skills to demonstrate skills when assessing patients and delivering quality care.
20. Apply and adapt information technology applications required within all career specialties to maintain continuity of patient care.

REQUIRED TEXT/CURRICULUM MATERIALS:

- DHO: Health Science; Cengage Learning
- Learning Lab for HC Career Exploration; Cengage Learning
- Medical Terminology Systems; Davis Plus
- BLS Health Provider Manual; WorldPoint, Inc.
- Heartsaver First Aid Student Workbook; WorldPoint, Inc.

DUAL CREDITS AVAILABLE:

HLHS 100 Introduction to Health Careers
Ivy Tech 3 credits

HLHS 101 Medical Terminology
Ivy Tech 3 credits

HLHS 102 Essential Anatomy and Physiology
Ivy Tech 3 credits

INDUSTRY CERTIFICATION AVAILABLE:

AHA First Aid Certification
Testing required. Fees may apply.

AHA CPR Healthcare Provider Certification
Testing required. Fees may apply.

METHODS OF INSTRUCTIONAL DELIVERY:

This course will be delivered using a variety of delivery methods. Lecture, class discussion, lab work, and individual and group exercises and activities will be used to deliver the class material.

EVALUATION METHODS:

- Classroom work
- Lab work
- Dual credit course projects and exams
- Participation and attendance

GRADING CRITERIA:

Assignments are divided into three categories: Classwork (40%), Projects/Assessments (40%), and Work Ethic (20%). Work Ethic includes daily participation and engagement in the class.

GRADING SCALE:

A+	99-100%	C	72-77%
A	92-98%	C-	70-71%
A-	90-91%	D+	68-69%
B+	88-89%	D	62-67%
B	82-87%	D-	60-61%
B-	80-81%	F	59% and below
C+	78-79%		

ATTENDANCE AND DISCIPLINE:

WCC attendance and discipline policies will be followed as detailed in the Student Handbook.

REQUIRED CONSUMABLE MATERIALS AND EQUIPMENT:

- Student kit
- Box of tissues

- Glue, scissors, black Sharpie, crayons or colored pencils