

Introduction to Health Science provides the foundational knowledge and skills students need for careers in health care. Students begin by exploring the services, structure, and professions of the health care system. The remainder of the course focuses on day-to-day skills and expectations for health professionals, which include promoting wellness, maintaining a safe environment, creating medical records, and practicing good communication, collaboration, and leadership.

Using real-life scenarios and application-driven activities, students learn the responsibilities and challenges of being health care professionals. In addition to building their understanding of technical concepts and skills, students evaluate the qualifications required for specific careers and develop personal career plans to pursue work in the health care industry.

Introduction to Health Science is an introductory-level Career and Technical Education course for programs of study in health sciences.

This course is built to state and national standards.

Length: One semester

UNIT 1: HEALTH, DISEASE, AND HEALTH CARE INDUSTRY

LESSON 1: OVERVIEW OF HEALTH AND DISEASE

Study: Health and You

Describe health and what good health means.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Health and You

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: A Guide for Good Health

Describe ways to maintain good health.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Personal Health Issues

Identify some prominent personal health issues.

Duration: 1 hr Scoring: 40 points

Quiz: A Guide for Good Health

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 2: HEALTH CARE SYSTEM

Study: Health Care Overview

Describe the basic components of the health care delivery system.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkpoint: Health Care Delivery Walkthrough

Explain how some health care components can vary in different scenarios.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Health Care Overview

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Health Sciences Professions

Explain the roles and responsibilities of various members of the health science professions.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Health Professions Idea Map

Examine the need for and components of the health science professions.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Health Sciences Professions

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Health Care Cost

Identify some of the issues that affect health care cost.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Health Care Cost

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: What's Trending in Health Care?

Identify emerging issues in health care and how they can affect the delivery process.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: What's Trending in Health Care?

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 3: HEALTH LAW AND LIABILITY**Study: Legal Responsibilities**

Identify certain health care legal issues and their consequences.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Health Care Ethics

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Health Care Ethics

Identify health care practices as either ethical or unethical.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Patient Bill of Rights

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Patient Bill of Rights

Describe the rights of patients under the Patient Bill of Rights.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Assessing Liability

Identify consequences of ethical and legal issues.

Duration: 1 hr Scoring: 40 points

Quiz: Legal Responsibilities

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 4: WRAP-UP: THE HEALTH SCIENCES PROFESSION**Project: Ethics Charter**

Develop a professional ethics charter.

Duration: 2 hrs 30 mins Scoring: 100 points

Review: The Health Sciences Profession

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

Test (CS): The Health Sciences Profession

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 40 mins Scoring: 60 points

UNIT 2: CAREERS IN THE HEALTH SCIENCES

LESSON 1: CAREER EXPLORATION

Study: Pathways in Health Sciences

Compare careers within the health science career pathways.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Your Career Options

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Comparing Career Opportunities

Examine employment opportunities in different health science careers.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Career Self-Assessment

Identify an area of career interest in the health sciences discipline.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Comparing Career Opportunities

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 2: CAREER PLANNING

Study: Career Goals and Development Plan

Describe how to develop a career development plan.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Career Goals and Development Plan

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Career Portfolio

Identify the different parts of a career portfolio.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Career Skills & Qualifications Map

Match career skills with the different health science careers.

Duration: 0 hrs 40 mins Scoring: 30 points

Quiz: Career Portfolio

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 3: HOW TO GET THE JOB!

Study: Education Requirements

Identify the academic requirements for health sciences occupations.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Education Requirements

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: The Competitive Resume

Identify the qualities of a successful resume and cover letter.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Writing a Cover Letter

Write a cover letter for health science job of your choice.

Duration: 0 hrs 40 mins Scoring: 30 points

Quiz: The Competitive Resume

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Developing Interview Skills

Identify important interview skills.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Developing Interview Skills

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 4: WRAP-UP: CAREERS IN THE HEALTH SCIENCES**Project: Write a Resume**

Write a resume for an advertised job in the health care industry.

Duration: 2 hrs 30 mins Scoring: 100 points

Review: Careers in the Health Sciences

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

Test (CS): Careers in the Health Sciences

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 40 mins Scoring: 60 points

UNIT 3: TEAMWORK IN HEALTH CARE**LESSON 1: WHAT IS TEAMWORK?****Study: Working with a Team**

Describe the characteristics of an effective team in the health care environment.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Working with a Team

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Teamwork in Interdisciplinary Health Care

Identify the components that make up an interdisciplinary health care team.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Collaborative Planning

Develop a collaborative, interdisciplinary plan for team work based on a health care scenario.

Duration: 1 hr Scoring: 40 points

Quiz: Teamwork in Interdisciplinary Healthcare

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 2: DEALING WITH CONFLICT

Study: What is Conflict?

Identify factors that increase risk of conflict.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: What is Conflict?

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Conflict Resolution

Describe strategies for eliminating conflict.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Predicting Conflict

Practice identifying and eliminating health care-related conflicts in real-world scenarios.

Duration: 1 hr Scoring: 40 points

Quiz: Conflict Resolution

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 3: WRAP-UP TEAMWORK IN HEALTH CARE

Project: Conflict Solutions Chart

Practice solving conflict using appropriate conflict resolution strategies.

Duration: 2 hrs 30 mins Scoring: 100 points

Review: Team Work in Health Care

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

Test (CS): Team Work in Health Care

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 40 mins Scoring: 60 points

UNIT 4: HEALTH CARE COMMUNICATION AND RECORDS

LESSON 1: COMMUNICATION IN HEALTH CARE

Study: Communication in Health Care

Describe effective communication skills in a health care occupation.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Communication in Health Care

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Health Information Privacy

Describe regulations of the Health Insurance Portability and Accountability Act (HIPAA).

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: HIPAA Scenarios

Apply HIPAA principles to real-life scenarios.

Duration: 1 hr Scoring: 40 points

Quiz: Health Information Privacy

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 2: HEALTH CARE RECORDS

Study: Health Information Management

Describe health information management programs.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Health Information Management

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Checkup: Health Information Database Scenarios

Outline the steps for recording information in health databases.

Duration: 0 hrs 40 mins Scoring: 0 points

Study: Electronic Health Records (EHR)

Describe the benefits of using electronic health records.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Using Electronic Health Records (EHR)

Determine the benefits and drawbacks of using electronic health records.

Duration: 1 hr Scoring: 40 points

Quiz: Electronic Health Records (EHR)

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 3: WRAP-UP: HEALTH CARE COMMUNICATION AND RECORDS

Project: Complete an Electronic Health Record

Fill out what is missing on an electronic health record.

Duration: 2 hrs 30 mins Scoring: 100 points

Review: Health Care Communication and Records

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

Test (CS): Health Care Communication and Records

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 40 mins Scoring: 60 points

UNIT 5: SAFETY AND WELLNESS

LESSON 1: WORKPLACE SAFETY IN HEALTH CARE

Study: Safe Work Environments

Describe rules and regulations that ensure health care workers are reducing the risk of infectious diseases and creating a safe environment.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Safe Work Environments

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Bloodborne Pathogen Prevention

Explain the importance of bloodborne pathogen spread prevention.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Identify Prevention Strategies

Outline appropriate prevention strategies for unsafe environments.

Duration: 1 hr Scoring: 40 points

Quiz: Bloodborne Pathogen Prevention

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Safety Regulations

Describe safety procedures used in health care occupations.

Duration: 0 hrs 40 mins Scoring: 0 points

Checkup: Which Regulatory Agency?

Compare how different regulatory organizations in the health care industry resolve safety and regulatory issues.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Safety Regulations

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 2: PERSONAL WELLNESS IN THE WORKPLACE**Study: Maintaining Your Health**

Describe personal health practices for maintaining optimal health in the workplace.

Duration: 0 hrs 40 mins Scoring: 0 points

Quiz: Maintaining Your Health

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

Study: Strategies for Disease Prevention

Identify strategies for personal prevention of diseases.

Duration: 0 hrs 40 mins Scoring: 0 points

Practice: Wellness Strategy Chart

Outline strategies that will lead to wellness.

Duration: 1 hr Scoring: 40 points

Quiz: Strategies for Disease Prevention

Take a quiz to assess your understanding of the material.

Duration: 0 hrs 20 mins Scoring: 30 points

LESSON 3: WRAP-UP: SAFETY AND WELLNESS**Project: Wellness Plan**

Create a wellness plan that supports personal health and safety in the work environment.

Duration: 2 hrs 30 mins Scoring: 100 points

Review: Safety and Wellness

Prepare for the unit test by reviewing key concepts and skills.

Duration: 0 hrs 30 mins Scoring: 0 points

Test (CS): Safety and Wellness

Take a computer-scored test to assess what you have learned in this unit.

Duration: 0 hrs 40 mins Scoring: 60 points

UNIT 6: HEALTH SCIENCES WRAP-UP**LESSON 1: HEALTH SCIENCES WRAP-UP****Review: Health Sciences**

Prepare for the end-of-course exam by reviewing key concepts and skills.

Duration: 0 hrs 45 mins Scoring: 0 points

Exam: Health Sciences

Take a computer-scored exam to assess what you have learned in previous units.

Duration: 1 hr Scoring: 120 points