

» Course Overview

This course introduces students to the exciting and varied career opportunities in the health care industry that will be in demand in their future! The course will introduce the roles and tasks, identify education and skills needed, identify responsibilities of roles which support or supervise their role, analyze legal and ethical responsibilities, limitations, and implications for each of these professions. Get ready. Get set. Learn about the Future of Health Care Careers!

» Course Outline by Module

Module 1	Timeline of Healthcare Careers	Module 6	The Occupational Therapist
Module 2	The Physician and the Physician's Assistant	Module 7	The Technician
Module 3	The Pharmacist	Module 8	The Dentist
Module 4	The Physical Therapist	Module 9	The Paramedic
Module 5	The Healthcare Information Technology Manager	Module 10	The Nurse

» Module Overview and Learning Objectives

| Module 1. Timeline of Healthcare Careers

This module looks at the history of healthcare, beginning with the ancients and moving through to our modern system today. This module will highlight some of the brilliant and innovative people who contributed to and changed healthcare throughout history, from the ancient Greeks to modern innovators. It will take a close look at healthcare in the United States, detailing how we arrived at our current system, and why it stands out from the rest of the world. Then students will get a chance to look ahead at the exciting changes that Artificial Intelligence and robotics are making in the field, and discuss how they will enhance the roles of healthcare providers worldwide.

Learning Objectives: In this module, students will:

- Construct the timeline of health care careers.
- Identify prominent historical figures in Health Care.
- Describe the progression of health care in the United States.
- Discuss how robotics will change the future of Health Care.
- Discuss the impact that artificial intelligence will have on the future of Health Care.

| Module 2. The Physician and the Physician's Assistant

The Physician's Assistant will be in demand in our future due to the responsibilities which may be shifted from the Physician to the Assistant. This module will discuss the role of a Physician's Assistant, or PA as compared to the Physician. Students will learn about the education needed to become a PA and a Physician, the role of the PA and the Physician, the responsibilities of a PA and Physician, define quality health care within these roles, and identify the legal and ethical responsibilities and practices within these roles. In addition, this module offers a full explanation and discussion the responsibilities associated with the HIPPA law.

Learning Objectives: In this module, students will:

- Describe the roles of the Physician's Assistant and the Physician including key responsibilities and education requirements.
- Define "Quality Healthcare" within the role of the Physician and the Physician's Assistant.
- Compare and contrast the physical, ethical, and legal responsibilities of the Physician and the Physician's Assistant.
- Identify current insurance types in the United States.
- Analyze the impact of insurance to the Health Care industry.
- Analyze the HIPPA law as it applies to health care professionals.

| Module 3. The Pharmacist

There is a lot more to being a Pharmacist than just putting pills into a bottle! Pharmacists are highly education professionals who are an integral part of the health care team. And importantly, their skills will be in high demand in 2030 and beyond! This module will discuss the role of a Pharmacist. Students will learn about the education needed to become a Pharmacist, the role of the Pharmacist, the responsibilities of a Pharmacist, define quality health care within their role, and identify the legal and ethical responsibilities and practices within this role.

Learning Objectives: In this module, students will:

- Describe the roles of the Pharmacist including key responsibilities and education requirements.
- Define “Quality Healthcare” within the role of the Pharmacist.
- Identify the physical responsibilities of the Pharmacist.
- Evaluate pharmaceutical specialties.
- Compare the ethical and legal responsibilities of the Pharmacist with the prescribing physician.
- Discuss the future of Pharmacy as it relates to the growing and changing drug industry within the United States.

| Module 4. The Physical Therapist

Physical Therapy is a high-growth healthcare field that is becoming more and more popular with patients today! This hands-on position helps patients who are suffering from injuries, diseases, disabilities, or limitations caused by old age. The benefit to this career is that it cannot be done by a robot and will always require a person to support patients utilizing new, exciting technology at every turn. This module will discuss the role of a Physical Therapist, or PT. Students will learn about the education needed to become a PT, the role of the PT, the responsibilities of a PT, define quality health care within their role, and identify the legal and ethical responsibilities and practices within this role..

Career Exploration in Healthcare

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Learning Objectives: In this module, students will:

- Describe the roles of the Physical Therapist and Physical Therapy Assistant, including key responsibilities and education requirements.
- Define “Quality Healthcare” within the role of the Physical Therapist.
- Identify the physical responsibilities of the Physical Therapist.
- Analyze the ethical and legal responsibilities of the Physical Therapist.
- Discuss technological advancements which have impacted the future of Physical Therapy.

| Module 5. The Healthcare Information Technology Manager

Who says you have to be a nurse or a doctor to have a positive impact in the lives of patients? The role of an IT manager is growing as technology allows for more efficient billing, records, and analysis. This module will discuss the role of a Healthcare Information Technology Manager. Students will learn about the education needed to become a Healthcare Information Technology Manager, the role of the Healthcare Information Technology Manager, the responsibilities of a Healthcare Information Technology Manager, and identify the legal and ethical responsibilities and practices within this role.

Learning Objectives: In this module, students will:

- Outline the history of technology in medicine and healthcare.
- Describe the challenges of record-keeping and cybersecurity within healthcare.
- Evaluate the roles of the Healthcare IT Manager including key responsibilities and education requirements.
- Identify the physical responsibilities of the Healthcare IT Manager.
- Recognize various electronic medical record software systems.
- Analyze the ethical and legal responsibilities of the Healthcare IT Manager.
- Identify the future impact to the role of the Nurse with the introduction of a Healthcare IT Manager.

| **Module 6. The Occupational Therapist**

Are you interested in education or social work? This module will discuss the role of an Occupational Therapist, or OT. Students will learn about the education needed to become an OT, the role of the OT, the responsibilities of an OT, define quality health care within their role, and identify the legal and ethical responsibilities and practices within this role.

Learning Objectives: In this module, students will:

- Describe the roles of the Occupational Therapist including key responsibilities and education requirements.
- Define “Quality Healthcare” within the role of Occupational Therapist.
- Identify the physical responsibilities of the Occupational Therapist.
- Analyze the ethical and legal responsibilities of the Occupational Therapist.
- Identify the future impact to the role of the Occupational Therapist with the introduction of new and emerging technology.

| **Module 7. The Technician**

Technology leads the role of the Radiologic Technician and the Medical Technologist or Laboratory Technician. As technology improves the industry needs trained, technological professionals to operate that technology without error. Are you that person? This module will discuss the role of a Radiologic Technician and Medical Technologist or Laboratory Technician. Students will learn about the education needed to become a Radiologic Technician and Medical Technologist or Laboratory Technician, the role of the Radiologic Technician and Medical Technologist or Laboratory Technician, the responsibilities of a Radiologic Technician, define quality health care within their role, and identify the legal and ethical responsibilities and practices within this role.

Learning Objectives: In this module, students will:

- Describe the roles of the Technician including key responsibilities and education requirements.
- Define “Quality Healthcare” within the roles of the Technician.

- Identify the physical responsibilities of the Technician.
- Analyze the ethical and legal responsibilities of the Technician.
- Identify the future impact to the role of the Physician with the introduction of the Technician.

| **Module 8. The Dentist**

The future of dentistry is exciting and growing. Could you be a dentist? Students will learn about the education needed to become a Dentist, the responsibilities of a Dentist, define quality health care within their role, and identify the legal and ethical responsibilities and practices within this role.

Learning Objectives: In this module, students will:

- Describe the role of the Dentist including key responsibilities and education requirements.
- Define “Quality Healthcare” within the role of the Dentist.
- Identify the physical responsibilities of the Dentist.
- Analyze the ethical and legal responsibilities of the Dentist.
- Identify the future impact to the role of the Dentist with the introduction of new and emerging technologies.

| **Module 9. The Paramedic**

Will there ever be a day when you call 911 and someone doesn't come? No! The paramedic will be in high demand in the future much as they are now. This module will discuss the role of a Paramedic. Students will learn about the education needed to become a Paramedic, the role of the Paramedic, the responsibilities of a Paramedic, define quality health care within their role, and identify the legal and ethical responsibilities and practices within this role.

Career Exploration in Healthcare

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Learning Objectives: In this module, students will:

- Describe the role of the Paramedic including key responsibilities and education requirements.
- Define “Quality Healthcare” within the role of the Paramedic.
- Identify the physical responsibilities of the Paramedic.
- Analyze the ethical and legal responsibilities of the Paramedic.
- Identify the factors that will lead to the growth of the Paramedic profession.

| **Module 10. The Nurse**

What does the future mean for Nurses? This module will discuss the various roles associated with Nursing. Students will learn about the education needed to become a Nurse, the role of the Nurse, the responsibilities of a Nurse, define quality health care within their roles, and identify the legal and ethical responsibilities and practices within these roles.

Learning Objectives: In this module, students will:

- Describe the role of the Nurse including key responsibilities and education requirements.
- Define “Quality Healthcare” within the role of the Nurse.
- Identify the physical responsibilities of the Nurse.
- Analyze the ethical and legal responsibilities of the Nurse.
- Describe the impact to the role of the Nurse with new and emerging technology.