

Careers in Allied Health	Scope and Sequence
Unit Lesson	Objectives
<b>INTRODUCTION TO ALLIED HEALTH CAREERS</b>	
What is Allied Health?	
	Understand what allied health is.
	Identify the skills of a successful healthcare worker and how those skills positively affect studying and training for the work, and later in competing for a certain job.
	Understand the basic steps in preparing for health jobs (in general).
	Recognize why safety is so important and why it will dominate the training program for every aspect of healthcare.
	Understand some of the basics about safety, including avoiding infection and contamination by dangerous materials and using safety equipment properly.
	Identify legal and ethical responsibilities within the healthcare field and the consequences of actions.
	Learn about ethics in the healthcare field and how those might mean different things to different people or groups, based on culture, ethnicity, or other factors.
Project: Educational Pathway (education, testing, and credentials)	
	Analyze the skills/paths that lead to employment.
	Demonstrate an understanding of the training needed for employment.
	Examine four different pathways and familiarize yourself with the different types of training needed.
	Discuss levels of education and credentialing requirements for four different allied healthcare career paths.
Exploring the Allied Health Competency Model	
	Develop a more in-depth understanding of the industry competency model, and how your education might relate to that model.
	Evaluate your characteristics and your skills and apply your findings to the competency model to determine where your strengths and weaknesses lie.
	Identify ways to improve your weak areas in relation to a career in allied health.

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		Compare education, credentialing requirements, and employment trends for various allied health careers.
	Project: Evaluating Your Competencies	
	Who's the Hero? An Allied Health Story	Analyze previously learned concepts and apply them to a real-world situation.
		Analyze education/credential information, ethical and legal information, and safety/prevention information.
	First Responders: EMT/Paramedic	
		Identify schooling, credentialing, and skills requirements for paramedic/EMT careers.
		Determine environment, safety requirements, and tools of paramedic/EMT careers.
		Understand how EMTs/paramedics most effectively interact with other roles in the trauma team.
		Apply an understanding of allied health ethics and the law to EMT careers.
		Identify career-specific knowledge required of EMTs.
	Project: Ethics and Responsibilities of EMTs	
	Surgical Technologists	
		Understand the practice of surgical technology and its associated knowledge and skills.
		Understand the educational and training requirements of a surgical technologist.
		Identify the medical ethics or laws pertaining to surgical technologists.
		Discover the ways in which the surgical technologist fits into the overall healthcare environment.
		Examine the roles that teamwork, organization, and communication play in the healthcare environment and emergency/surgical team.
		Address various safety and environmental concerns that occur within the clinical setting.
	Perfusionist	
		Understand the knowledge and skills required for a career as a perfusionist.

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		Understand the educational and training requirements of a perfusionist.
		Identify the ways in which the perfusionist fits into the larger picture of allied health and the overall healthcare environment.
		Examine the roles that teamwork, organization, and communication play in the healthcare environment and emergency/surgical team.
		Understand the general anatomy of the heart and heart bypass surgery.
		Understand why culture, social background, and ethnicity are of importance.
	Project: Exploring Allied Health Careers	
	Test	
<b>ART AND TECHNOLOGY</b>		
	Medical Arts & Special Skills: Medical Illustrator	
		Compare and contrast the medical illustrator career with other allied health careers.
		Consider the fit of the field within your personal career goals.
		Understand how the role of a medical illustrator may fit into a department, organization, and overall healthcare environment.
		Recognize the importance of teamwork and information sharing.
		Explore some legal and ethical boundaries within the field.
		Recognize related medical terminology.
	Project: Medical Illustration/Emergency Medicine Career Comparison	
	Medical Arts & Special Skills: Orthotists and Prosthetists	
		Summarize a short history of prosthetics.
		Understand some of the unique challenges of this career field.

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		Compare and contrast the careers with other allied health careers.
		Consider the fit of the field within your personal career goals.
		Understand how the role may fit into a department, organization, and overall healthcare environment.
		Recognize the importance of teamwork and information sharing.
		Explore some legal and ethical boundaries within the field, in addition to the standards dictated by the professional association/board.
		Recognize related medical terminology.
		Address personal and environmental safety within the clinical setting.
	Project: Communication Research and Report	
	Medical Arts & Special Skills: Art Therapist	
		Understand some of the unique challenges of this career field.
		Compare and contrast these careers with other allied health careers.
		Consider how the field fits your personal career goals.
		Understand how the role may fit into a department, organization, and overall healthcare environment.
		Recognize the importance of teamwork and information sharing.
		Explore some legal and ethical boundaries within the field, in addition to the standards dictated by the professional association/board.
		Recognize related medical terminology.
	Therapists and Technologists: Respiratory Therapists and Cystic Fibrosis	
		Learn about the career preparation path of a respiratory therapist.
		Learn about the specifics of working in the career, such as setting, hours, etc.
		Learn how to apply career information to a specific situation within the career field.

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		Determine how to incorporate key issues like patient/team communication, safety measures, and ethics into practice.
		Explain the rudimentary functions of the lungs.
	Therapists and Technologists: Radiologic Technologist and Situs Inversus	
		Learn about the career preparation path of a radiologic technician.
		Identify specifics about working in that career.
		Learn about the specifics of working in the career, such as setting, hours, etc.
		Learn how to apply career information to a specific situation within the career field.
		Determine how to incorporate key issues like patient/team communication, safety measures, and ethics into practice.
	Project: Cystic Fibrosis Report	
	Therapists and Technologists: Polysomnographic Technologists and Sleep Apnea	
		Learn about the career preparation path of a polysomnographic technologist.
		Identify specifics about working in the career, such as setting, hours, etc.
		Learn how to apply career information to a specific situation within the career field.
		Determine how to incorporate key issues like patient/team communication, safety measures, and ethics into practice.
	Project: Polysomnographic Technologist (PT) Scenario	
	Test	
<b>EXERCISE SCIENCE AND PATIENT EVALUATION</b>		
	Exercise as Medicine and the Exercise Physiologist	

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		Compare and contrast careers classified as allied health in terms of scope, academic preparation, lifestyle, skill sets, licensing, employment potential, and continuing education.
		Compare employment opportunities to individual needs and career plan objectives.
		Describe the basic anatomy and physiology of the musculoskeletal system.
		Know the principles of body mechanics.
		Explore the role of technologists in providing valuable information that aids in proper diagnosis.
	Project: Day in the Life	
	Kinesiotherapy and the U.S. Veteran returning from Afghanistan	List the standards and qualifications for a kinesiotherapist that must be met in order to gain employment in the allied health field.
		Evaluate muscle damage on the basis of the pathophysiology of skeletal muscle injury.
		Know the principles of body mechanics.
		Explain kinesiotherapy procedures and goals to patients and clients and use various strategies to respond to questions and concerns.
	Project: Research on VA and Their Services	
	Fitness Instructor and the New Year's Resolution	List the standards and qualifications that must be met in order to gain employment as a fitness instructor in the allied health field.
		Recognize and act upon requirements for career advancement as a fitness instructor in order to plan for continuing education and training.
		Examine licensing, certification, and credentialing requirements for a fitness instructor at the national, state, and local levels to maintain compliance with industry requirements.
		Compare and contrast the educational background and training of an exercise physiologist and a personal trainer.

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	Audiologists and the Hip Hop Concert	<p>List the standards and qualifications that must be met in order to become an audiologist.</p> <p>Compare employment opportunities for the audiologist with individual needs and career plan objectives.</p> <p>Recognize and act upon requirements for career advancement as an audiologist in order to plan for continuing education and training.</p> <p>Evaluate how the role of the audiologist fits into the department, organization, and overall health care environment.</p> <p>Evaluate a career in audiology on the basis of academic preparation, skills, licensure, work environment, scope of practice, and training.</p> <p>Describe the anatomy and physiology of hearing.</p> <p>Compare and contrast conduction and sensory deafness, methods for evaluation, and treatment.</p>
	Project: The Hip Hop Mogul	
	Electro-neurodiagnostic (END) Technologist and the Epileptic Patient	<p>Develop career goals and objectives as part of a plan for becoming an END technologist.</p> <p>List the standards and qualifications that must be met in order to gain employment in the allied health field.</p> <p>Compare employment opportunities for an END technologist with individual needs and career plan objectives.</p> <p>Recognize and act upon requirements for career advancement for the END technologist in order to plan for continuing education and training.</p> <p>Evaluate how the role of the END technologist fits into the department, organization, and overall health care environment.</p> <p>Choose and apply accurate medical terminology for the END technologist.</p> <p>Explore the role of END technologists in providing valuable information to aid in proper diagnosis.</p> <p>Evaluate a career in electroneurodiagnostics on the basis of academic preparation, skills, licensure, work environment, scope of practice, and training.</p>

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		Describe the anatomy and physiology of the nervous system.
	Project: Epilepsy Research paper	
	Cardiovascular Technologist	Compare and contrast the cardiovascular technologist with other careers in terms of scope, academic preparation, lifestyle, skill sets, licensing, employment potential, and continuing education.
		Develop career goals and objectives as a cardiovascular technologist.
		List the standards and qualifications that must be met in order to gain employment as a cardiovascular technologist.
		Consider employment opportunities as a cardiovascular technologist.
		Recognize and act upon requirements for continuing education and training for career as a cardiovascular technologist.
		Examine licensing, certification, and credentialing requirements for the cardiovascular technologist at the national, state, and local levels in order to maintain compliance with industry requirements.
		Evaluate how the role of cardiovascular technologist fits into the department, organization, and overall health care environment.
		Choose and apply accurate medical terminology for the cardiovascular technologist.
		Explore the role of cardiovascular technologists in providing valuable information that aids in proper diagnosis.
		Evaluate a career in cardiovascular technology on the basis of academic preparation, skills, licensure, work environment, scope of practice, and training.
		Describe the cardiovascular anatomy and physiology, including the electrical conduction system of the heart.
		Describe and echocardiogram and the nature of the information it provides about the cardiovascular system.
	Test	

## HEALTH INFORMATICS AND HEALTH ADMINISTRATION



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	Health Informatics, Data Acquisition, and Medical Coding	<p>learn about the important of effective teamwork in patient care and communicate patient information among team members allowing for feedback as needed to facilitate a team approach to patient care.</p> <p>understand how to communicate health/medical information accurately and within legal/regulatory guidelines across the organization to uphold the strictest standards of confidentiality.</p> <p>learn about the role of the medical coder in accurately tagging data for entry in information systems.</p> <p>explore the the ethical and legal responsibilities of individuals with access to confidential patient information, patient data acquisition and management</p>
	Project: Medical Coding Ethics	
	Dental Informatics	<p>Learn about the history of dental informatics.</p> <p>Explore careers in health.</p>
	Telemedicine and Mobile Computing Informatics	<p>Understand the impact of telemedicine in the relationship between health care providers and patients.</p> <p>Evaluate the ethical and legal implications of providing medical advice electronically over the mobile Internet.</p> <p>Describe the impact of telemedicine in reducing cost and improving access to specialists.</p> <p>Evaluate the use of tele-healthcare in the delivery of healthcare in a clinical and home setting.</p>
	Project: Online Symptom Analysis	
	Introduction to Healthcare Management	<p>Learn about the areas in which individuals with a degree in healthcare management can work.</p> <p>Understand the many people in different roles who are responsible for managing a health care facility.</p> <p>Examine the responsibilities of a health care administrator and compare them with the responsibilities of professionals with direct patient contact.</p>

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		Describe the various requirements in education as preparation for a career in healthcare management.
	Introduction to the Hospital Administrator Role	Explore employment opportunities in the healthcare management sector.
		Learn about how the roles of various types of health care workers fit into the department, organization, and overall health care environment.
		Understand the responsibilities of a health care administrator, and compare them with the responsibilities of professions with direct patient contact.
	Project: Creating an Organizational Chart	
	Applications, Activities and Case Studies in Hospital and Health Care Management	Explore the ethical issues in a health care workplace
		Consider the career goals and objectives of a healthcare manager.
		Understand the importance of cultural, social, and ethnic diversity in the health care workforce and the health care environment.
		Examine the role of hospital administration in the management of health care systems.
		Discuss the mission of health care organizations in their communities.
		Explore the issues of health care finance and the cost of health care.
	Project: Developing Comparison of Healthcare Funding	
	Test	
<b>COUNSELING, DIETETICS AND CHOOSING A CAREER IN ALLIED HEALTH</b>		
	Genetic Counseling- An Introduction to the Career	Identify and describe responsibilities of genetic counselors.
		Identify the requirements needed for pursuing a career in genetic counseling.

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	Bioinformatics and the Human Genome	Describe a day in the life of a genetic counselor.
		Define gene, allele, dominant gene, and recessive gene.
		List and describe different types of career paths in genetics.
		Explain bioinformatics.
		Describe the Human Genome Project.
	Project: Mapping Genes	
	Prenatal Counseling and Anomalies, Choice, Ethics, Science	Describe factors to consider as expectant parents.
		List and explain different types of prenatal testing.
		List and describe different types of genetic abnormalities.
		Describe choices and options that couples face with news of genetic abnormalities found in their babies.
	Project: Cystic Fibrosis Testing and Ethical Decisions	
	Dietetics and Nutrition: Intro to the Career	Define dietetics.
		List and describe the duties of a dietitian.
		Describe career preparation, degree, and licensing of a dietitian.
		Differentiate between a nutritionist and a dietitian.
	Project: The Debate Between the Nutritionist and Dietician	
	Diet and the Body	Use the food pyramid to make healthy choices.

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		Know the basics about healthy diets.
		Identify proteins, carbohydrates and fats.
		Identify potential consequences of obesity.
		Describe procedures for food safety.
	Project: Choose My Plate	
	Career Exploration Activities	
		Compare and contrast careers classified as allied health in terms of scope, academic preparation, lifestyle, skill sets, licensing, employment potential, and continuing education;
		Develop career goals and objectives as part of a plan for your future career direction in the allied health field;
		Compare employment opportunities to individual needs and career plan objectives
		Evaluate how the role of various types of health care workers fits into the department, organization, and overall health care environment;
		Explore career paths of interest and the specific expectations of those paths;
		Identify the steps to take in evaluating a potential career path for yourself; and
		Understand job components that should be examined when decision-making about a prospective career.
	Project: The Case Study	
	Test	
<b>COURSE REVIEW AND EXAM</b>		
	Review	
	Exam	