

Take the First Step into Health Science

There are 250+ healthcare occupations. Requirements vary widely from a certification to eight years or more post-secondary education and training. *Careers and Basics of Health Science* is your student's gateway to the exciting world of healthcare and the many career opportunities available.

Renowned expert Kathryn Booth breaks the program into two complementary sections. The first half of the program introduces the student to the healthcare field and builds strong foundational knowledge of health care. The second half explores the careers themselves. Each chapter is written by an expert in the field, providing students with a front-row seat to careers in therapeutic services, diagnostic services, health informatics, support services, and biotech.

Key Features

Designed with the content and support tools to assist both new and seasoned teachers energize our next generation of healthcare leaders.

- Updated with real-world health care challenges and realistic situations
- Reading checks, reviews, and authentic activities in each section check for understanding and provide opportunity for students to apply newly-learned skills
- Healthcare occupation profiles include daily responsibilities, education requirements, certifications, and job outlook
- Robust digital teaching resources including Teaching Notes embedded in the student ebook provide guidance, answers, teaching tips, class discussion prompts, and more
- Built-in Career Center empower students to research 1,000 occupations filtered by their individual RIASEC attributes
- Print and robust digital experience that can be implemented effectively in both low-tech and high-tech environments

Occupation	Education Requirement	Certification or Licensing Agency	Job Outlook**
Emergency Medical Responder (EMR)	Basic Training in an approved training program (40–60 hours)	State EMS Department or NREMT*	Stable: Entry-level role in EMS
Emergency Medical Technician (EMT)	Basic EMT approved training program (120–150 hours)	State EMS Department or NREMT*	Growing: High demand in urban and rural areas
Advanced Emergency Medical Technician (AEMT)	Advanced EMT approved program (200–500 hours)	State EMS Department or NREMT*	Growing: Advanced care roles in both ambulance and hospital settings
Paramedic	Approved paramedic program (1,200–1,800 hours, often culminating in an associate degree)	State EMS Department or NREMT*	Growing: Advanced care roles in both ambulance and hospital settings

14.1 Careers in Emergency Medical Services Review

See Answer Key for Chapter 14, Section 14.1 Review

After You Read

1. Explain what an EMR does.
2. Recall where EMRs are employed.
3. Analyze the differences between the roles and responsibilities of an EMT and those of a paramedic.
4. Identify the educational requirements needed to become a paramedic.
5. List five skills that every emergency medical professional should know.

Online Explorations

Emergency Response
Research the Internet for information related to emergency services response to chemical or biological terrorism events. Review EMS personnel training requirements, preparations to respond, identification of and response to an incident, and other essential information. Prepare a written report, poster, or slide presentation of your findings to present to the class.

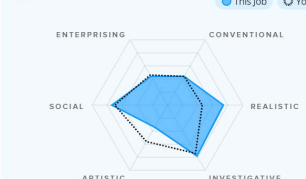
Anesthesiologists

Description Riasec Details Requirements Activities Skills Knowledge Related

JOB DESCRIPTION:

Administer anesthetic and analgesics for pain management prior to, during, or after surgery.

RIASEC:



Careers and Basics of Health Science

Mobile | Digital | Print

Unit 1: Healthcare Foundations

Chapter 1

Healthcare Career Clusters

Chapter 2

Healthcare Systems

Chapter 3

Safety and Infection Control Practices

Chapter 4

Emergency Preparedness

Chapter 5

Medical Terminology

Chapter 6

Human Structure and Function

Chapter 7

Diseases and Disorders

Chapter 8

Human Growth and Development

Chapter 9

Nutrition

Chapter 10

Vital Signs

Chapter 11

Pharmacology and Medical Mathematics

Chapter 12

Legal and Ethical Responsibilities

Chapter 13

Communication and Employability Skills

Unit 2: Careers in Therapeutic Services

Chapter 14: Emergency Medical Services

Chapter 15: Nursing

Chapter 16: The Clinical Office

Chapter 17: Mental Health

Chapter 18: Pharmacy

Chapter 19: Respiratory Care

Chapter 20: Rehabilitation

Chapter 21: Sports Medicine

Chapter 22: Complementary and Alternative Medicine

Chapter 23: Dental Care

Chapter 24: Animal Healthcare

Unit 3: Careers in Diagnostic Services

Chapter 25: Medical Laboratory

Chapter 26: Medical Testing

Chapter 27: Radiology

Chapter 28: Ophthalmic Care

Unit 4: Careers in Health Informatics

Chapter 29: Administrative Office

Chapter 30: Health Information

Unit 5: Careers in Support Services

Chapter 31: Central Supply & Processing

Chapter 32: Dietetics

Unit 6: Careers in Biotech Research and Development

Chapter 33: Biomedical Technology

Chapter 34: Biomedical Science

Dynamic Digital Resources

Careers and Basics of Health

Science Digital Edition features rich multimedia content that enhances the student experience and provides teachers with the tools and resources to deliver engaging lessons and activities.

- Authentic procedures/simulations provide instant feedback
- Rich multi-media and interactive videos
- Interactive ebook with "reading checks" throughout to assess understanding
- Robust summative assessments available in both print and digital
- eBook available in 120 languages with the Google Translate Plug-in
- McGraw Hill K-12 Portal app provides off-line access to ebook
- Integrates into Canvas, Google Classroom, and Schoology

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Student Edition ISBN: 978-1-26-631933-4



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