

# Career Clusters & Pathways



Focusing Education on the Future!

# Preparing for Success in Health Science





- Orients students to careers that promote health, wellness, and diagnosis as well as treat injuries and diseases.
- It is the largest and fastest growing industry in the United States.
- Employs over 10 million workers in more than 200 careers.

# Necessary Skills and Traits

- Solid background in math, science, communications, and technical skills
- Knowledgeable in their subject
- Ability to communicate with others
- Ability to inspire trust and confidence



# Preparing for Success in Health Science

**Therapeutic Services**  
**Diagnostic Services**  
**Health Informatics**



# Preparing for Success in Health Science

## Therapeutic Services



Career Cluster Area: Health Science

Career Pathway: **Therapeutic Services**

## Pathway Major Courses

3 + 1

**To complete a pathway, one must take THREE Pathway Required Concentration Courses and ONE additional Pathway Elective Course.**

### ■ Pathway Concentration Courses (3)

- Application of Therapeutic Services
- Concepts of Emergency Medicines
- Introduction to Healthcare Science (Required)
- Introduction to Public Health
- Introduction to Therapeutic Medicine
- Medical Calculations and Drug Administration
- Nursing Essentials
- Pharmacy Operations Fundamentals

### ■ Pathway Elective Courses (1)

- Advanced Public Health\*
- Apprenticeship/Internship
- Medical Terminology in Healthcare systems
- Other Pathway Concentration Course

# Other Recommended Electives

## Therapeutic Services

- Biology
- Chemistry
- Computer Applications
- Human Anatomy & Physiology
- Modern Language
- Psychology



# Post-Secondary Degrees, Diplomas & Certificates Therapeutic Services

## ■ Technical Colleges

- Dental Assistant
- Health Care Assistant
- Paramedic  
Technology
- Physical Therapy  
Assistant
- Practical Nursing
- Respiratory Care Tech
- Surgical Tech
- Veterinary Technology

## ■ Colleges/Universities

- Dentistry
- Exercise/Sport  
Science
- Medicine
- Nursing
- Pharmacy
- Physical Therapy
- Psychology
- Social Work

# Careers in Therapeutic Services

- Acupuncturist
- Audiologist
- Dental Lab Technician
- EMT
- Massage Therapist
- Optometrist
- Registered Nurse
- Athletic Trainer
- Chiropractor
- Dentist
- Exercise Physiologist
- Medical Assistant
- Paramedic
- Social Worker
- Anesthesiologist Assistant
- Certified Nursing Assistant
- Dietician
- Home Health Aide
- Licensed Practical Nurse
- Pharmacist/Pharmacy Tech
- Surgical Technician
- Art/Music/Dance Therapist
- Dental Assistant/Hygienist
- Dosimetrist
- Kinesiotherapist
- Mortician
- Physical Therapist
- Veterinarian/Vet Technician



# Employment Outlook Therapeutic Services

- The demand for healthcare workers will remain high through 2020.
- As the role of Therapeutic careers changes, professionals in this pathway will find increased opportunities to work independently.
- Additionally, an increasing number of career opportunities are becoming available outside to the traditional hospital setting.

# Preparing for Success in Health Science

## Diagnostic Services



Career Cluster Area: Health Science

Career Pathway: **Diagnostics Services**

## Pathway Major Courses

3 + 1

**To complete a pathway, one must take THREE Pathway Required Concentration Courses and ONE additional Pathway Elective Course.**

### ■ Pathway Concentration Courses (3)

- Application of Therapeutic Services
- Introduction to Healthcare Science
- Introduction to Medical Lab Technologies

### ■ Pathway Elective Courses (1)

- Apprenticeship/Internship
- Introduction to Public Health
- Medical Calculations & Drug Administration
- Medical Terminology in Healthcare Systems
- Other Pathway Concentration Course

# Other Recommended Electives

## Diagnostics Services

- Biology
- Chemistry
- Computer Application
- Human Anatomy & Physiology
- Physics
- Psychology

# Post-Secondary Degrees, Diplomas & Certificates Diagnostics Services

## ■ Technical Colleges

- Diagnostic Medical Sonographer
- Medical Laboratory Technician
- Phlebotomy Technician
- Radiologic Technology

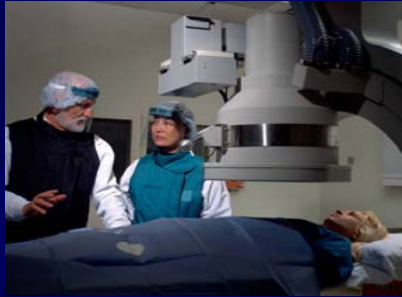
## ■ Colleges/Universities

- Cardiovascular Technologist
- Genetics
- Medical Technologist
- Medicine
- Nuclear Medicine Technologist

# Careers in **Diagnostics Services**

- Cardiovascular Technologist
- Cytogenetic Technologist
- Electrocardiographic Technician
- Histotechnician
- Mammographer
- Nuclear Medicine Technologist
- Clinical Lab Technician
- Cytotechnologist
- Exercise Physiologist
- Pathology Assistant
- Medical Technologist
- Radiologist
- Computer Tomography Technologist
- Diagnostic Medical Sonographer
- Electronic Diagnostic Technologist
- Magnetic Resonance Technologist
- Clinical Laboratory Scientist
- Radiologic Technologist
- Nutritionist
- Pathologist
- Geneticist
- Histotechnologist
- Phlebotomist
- Radiographer





# Employment Outlook

## Diagnostics Services

- The demand for healthcare workers will remain high through 2020.
- As technology advances, the need for additional training for diagnostic careers will increase.
- An increasing number of career opportunities are becoming available outside of the traditional laboratory setting.

# Preparing for Success in Health Science

## Health Informatics



Career Cluster Area: Health Science

Career Pathway: **Health Informatics**

## Pathway Major Courses

3 + 1

**To complete a pathway, one must take THREE Pathway Required Concentration Courses and ONE additional Pathway Elective Course.**

### ■ Pathway Concentration Courses (3)

- Applications in Health Informatics
- Application of Therapeutic Services
- Introduction to Healthcare Science (Required)
- Introduction to Public Health
- Medical Terminology in Healthcare Systems
- Nursing Essentials

### ■ Pathway Elective Courses (1)

- Advanced Public Health\*
- Apprenticeship/Internship
- Computer Applications
- Medical Calculations and Drug Administration
- Other Pathway Concentration Course

# Other Recommended Electives

## Health Informatics

- Biology
- Business Data Applications
- Chemistry
- Human Anatomy & Physiology
- Psychology

# Post-Secondary Degrees, Diplomas & Certificates Health Informatics

## ■ Technical Colleges

- Administrative Office Technology
- Medical Assistant
- Medical Coding
- Medical Receptionist
- Medical Transcription Technician

## ■ Colleges/Universities

- Health Administration
- Health Promotion & Education
- Health Systems
- Library Science
- Public Health

# Careers in Health Informatics

- Admitting Clerk
- Epidemiologist
- Medical Assistant
- Social Worker
- Transcriptionist
- Applied Researcher
- Medical Biller
- Health Information Coder
- Health Information Services
- Public Health Educator
- Healthcare Administrator
- Patient Financial Services
- Medical Information Tech
- Medical Librarian/Cybrarian
- Reimbursement Specialist
- Data Analyst
- Health Educator
- Risk Management
- Patient Advocate
- Unit Coordinator



# Employment Outlook

## Health Informatics

- Based on an increasing reliance on electronic information, the demand for these workers will remain high through 2020.
- Many career opportunities are available throughout the healthcare system.

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**Diagnostic Services**  
**Health Informatics**





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# HALL CAREER COUNTY CLUSTERS

Focusing Education on the Future!

