

## **Health Science Career Cluster**

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

### **Statewide Program of Study: Diagnostic and Therapeutic Services**

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

#### **Secondary Courses for High School Credit**

##### **Level 1**

- Principles of Health Science

##### **Level 2**

- Medical Terminology

##### **Level 3**

- Anatomy and Physiology
- Health Science Theory
- Health Science Theory + Health Science Clinical

##### **Level 4**

- Practicum in Health Science + Extended Practicum in Health Science

#### **Advanced Academic Courses**

- Dual Credit Chemistry
- Dual Credit Anatomy and Physiology
- Dual Credit Biology
- Dual Credit Microbiology

## **Example Postsecondary Opportunities**

### **Apprenticeships**

- Medical Assistant

### **Associate Degrees**

- Associate of Applied Science

### **Bachelor's Degrees**

- Bachelors of Science

### **Additional Stackable IBCs/License**

- Phlebotomy
- EKG

### **Work-Based Learning and Expanded Learning Opportunities**

- Intern with a medical assistant at a community clinic, hospital,

### **Expanded Learning Opportunities**

- Participate in job shadowing experiences such as Emergency Medical Services (EMS) ride along or hospital/clinical job
- Participate in Health Occupation Students of America (HOSA) or SkillsUSA

### **Aligned Industry-Based Certifications**

- Certified Clinical Medical Assistant
- Certified EKG Technician
- Phlebotomist

### **Aligned Occupations**

Medical Assistants

Median Wage: \$36,834

Annual Openings: 11,638


10-Year Growth: 29%

## Course Information



### Level 1



Course	Prerequisites   Corequisites	Career Clusters
<b>Principles of Health Science*</b> 13020200 (1 credit)	<b>Prerequisites:</b> None <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	

### Level 2


Course	Prerequisites   Corequisites	Career Clusters
<b>Medical Terminology*</b> 13020300 (1 credit)	<b>Prerequisites:</b> None <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	

### Level 3

Course	Prerequisites   Corequisites	Career Clusters
<b>Anatomy and Physiology*</b> 13020600 (1 credit)	<b>Prerequisites:</b> One credit in Biology and one credit in Chemistry, Integrated Physics and Chemistry, or Physics <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> A course from the Health Science career cluster <b>Recommended Corequisites:</b> None	 

<b>Health Science Theory*</b> 13020400 (1 credit)	<b>Prerequisites:</b> One credit in Biology and at least one credit in a course from the Health Science career cluster <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	
<b>Health Science Theory + Health Science Clinical*</b> 13020410 (2 credits)	<b>Prerequisites:</b> One credit in Biology and at least one credit in a course from the Health Science career cluster <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	

### Level 4

<b>Practicum in Health Science + Extended Practicum in Health Science*</b> First Time Taken: 13020505 (3 credits) Second Time Taken: 13020515 (3 credits)	<b>Prerequisites:</b> Health Science Theory and Biology <b>Corequisites:</b> None <b>Recommended Prerequisites:</b> None <b>Recommended Corequisites:</b> None	
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