



# Health Science Career Pathway

Certificate,  
Medical Assisting

Bachelor's Degree,  
Respiratory Therapy

Master's Degree,  
Physician Assistant

## Start Pre-Health

As early as grade 7  
(based on readiness)

## Medical Assistant 🍑

Median Salary: \$27,620  
Job Growth (10 yr): 21.5%  
Annual Openings: 793  
Average Tuition (1 yr): \$0 – \$3,900/yr

## Respiratory Therapist 🍑

Median Salary: \$52,490  
Job Growth (10 yr): 23.6%  
Annual Openings: 245  
Average Tuition (4 yrs): \$9,600/yr

## Physician Assistant 🍑

Median Salary: \$88,040  
Job Growth (10 yr): 21.2%  
Annual Openings: 93  
Average Tuition (3 yrs): \$11,300/yr



Workplace Visits  
Job Shadow  
Internship  
Work

Supervised Experience  
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Work

Supervised Experience  
Internship  
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Work

Internship  
---  
Work

Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

**Preparing students for multiple options after high school:**  
gainful employment and/or postsecondary study.

Ohio In-demand Occupations

Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit [ohiohighered.org](http://ohiohighered.org).



# Health Science Career Pathway

Secondary Pathway: **Allied Health and Nursing**

Postsecondary Program: **Medical Assisting**

## An Example of Courses with Secondary and Postsecondary Credits

|               |                        |                             |                               |                          |                            |                                 |                             |                                |  |
|---------------|------------------------|-----------------------------|-------------------------------|--------------------------|----------------------------|---------------------------------|-----------------------------|--------------------------------|--|
| Secondary     | 7<br>8                 | English I                   | Algebra I                     | Physical Science         | Social Studies             | Fine Arts                       | Health Science & Technology |                                |  |
|               | 9<br>10                | English II                  | Geometry                      | Biology                  | World History              | Health (.5)<br>PE (.5)          | Principles of Allied Health | World Languages                |  |
|               | 11                     | English III                 | Algebra II                    | Chemistry                | U.S. History               | Nutrition and Wellness          | Medical Terminology         | World Languages                |  |
|               | 12                     | English IV                  | Trigonometry/<br>Calculus     | Anatomy & Physiology     | U.S. Government            | Clinical Laboratory Techniques  | Patient Centered Care       | Mental Health                  |  |
| Postsecondary | Year 1<br>1st Semester | English                     | Anatomy & Physiology I        | Intro to U.S. Healthcare | Medical Terminology        | Ethical/ Legal Issues in Health | Computer Applications       | Customer Service in Healthcare |  |
|               | Year 1<br>2nd Semester | English                     | Anatomy & Physiology II       | Pharmacology             | Intro to Medical Assisting | Psychology                      | Phlebotomy                  | Medical Office Insurance       |  |
|               | Year 2<br>1st Semester | Interpersonal Communication | Patho-physiology              | Basic Electro-cardiogram | Clinical Medical Assisting | Surgical Procedures             | Physician Office Lab        | Advanced Medical Terminology   |  |
|               | Year 2<br>2nd Semester | Medical Assisting Practicum | Phlebotomy Clinical Practicum | Phlebotomy Seminar       | Medical Assisting Seminar  | Arts & Humanities Elective      | Social/ Behavioral Science  | General Elective               |  |

### High School Career-Technical Education Program Courses

### High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

### Required Courses

### Recommended Electives

Visit [education.ohio.gov/CareerConnections](http://education.ohio.gov/CareerConnections) for reference information.

Course titles and sequences will vary between schools.

10/2014