# Science & Health
## *PATHWAY*

Do you enjoy science courses like biology, chemistry, physics or psychology? Are you interested in cutting-edge technology, researching and solving complex problems, diagnosing and healing people, or working with plants, animals or other natural resources? If you answered "yes" to any of these questions, this pathway may be for you!

### Career Cluster Areas
Agriculture, Food & Natural Resources
Health Science
Scientific Research/Engineering

For additional information related to these Career Clusters, visit https://www.pacareerzone.org/clusters

# Erie County
## In-Demand Occupations & Average Entry-Level Wages* (2018-2024)

### Associate Degree

| | |
|---|---|
| Dental Hygienist $47,200 | Physical/Occupational Therapy Assistant $37,700/$37,300 |
| Radiologic Technologist $35,500 | Veterinary Technician ** $21,799 |

### Graduate Degree

| | |
|---|---|
| Nurse Practitioner/ Physician Asst. $49,000/$70,600 | Physician Starting salary varies by specialty |
| Speech-Language Pathologist $58,600 | Physical/Occupational Therapist $67,000/$57,500 |

### Certificate

| | |
|---|---|
| Phlebotomist $23,500 | Dental/Nursing Assistant $23,100/$21,800 |
| Billing and Posting Clerks $24,400 | EMT/Paramedic*** $30,316/$38,896 |

### High School

| | |
|---|---|
| Home Health Aide $20,200 | Medical Records & Health Information Technologies $25,800 |
| Personal Care Attendant $19,800 | Medical Secretary $24,100 |

### Bachelor Degree

| | |
|---|---|
| Registered Nurse (BSN) $44,000 | Medical and Health Services Manager $47,800 |
| Lab Technician** $33,759 | Respiratory Therapist $39,800 |

\* Entry level wages as reported in 2019
\*\* Not listed as a high demand job in Erie.
\*\*\*Entry level wages shown reflect one local employer.

## For a list of Top 50 Erie County employers, visit: http://bit.ly/Top50Emp

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ERIE COUNTY
Career Pathways Alliance
Education and Business Partnering for College, Career, and Life Readiness

# Science and Health (SH) Pathway

This Pathway is designed to cultivate students' interests in the life, physical and behavioral sciences. In addition, it involves and planning, managing and producing of therapeutic services, diagnostic services, health information and biochemistry research and development. Many of the careers involved with the food, fiber, environmental and natural resource systems fall under this pathway.

| Are you interested in... | Can you... | Do you enjoy... |
|---|---|---|
| Health care environment | Pay attention to detail | Caring for sick animals |
| Science and medicine | Use a computer and technology | Working outdoors with wildlife |
| Medical research | Work in a lab setting or medical facility | Working on cutting edge scientific research |
| Food production | Apply scientific theory to real life problems | Working on a team |
| Environment and conservation | Work outdoors around animals and plants | Medical lab research |
| Pharmacy | Collect and analyze data from experiments | Making a contribution to society |
| Animals | Work with people in need | Working with numbers |
| Physical therapy | Work with science and math theories | Developing conclusions from a database |
| Sports and fitness | | |
| Information systems | | |
| Radiology | | |

If you answered "yes" to many of these questions, you might consider a future in one of the sample occupations listed below.

# Sample Careers

| Entry | Skilled | Professional (4+ college) |
|---|---|---|
| Patient care technician | Certified nursing assistant | Athletic trainer |
| Dialysis technician | Dental hygienist | Speech/Language pathologist |
| EEG technician | Emergency medical technician | Dietician |
| Home health aide | Licensed practice nurse | Physician assistant |
| Nurses aide, orderlies | Medical lab technician | Medical examiner |
| Pharmacy technician | Personal trainer | Pharmacist |
| Physical therapy aide | Radiological technician | Physician |
| Animal caretaker | Respiratory therapist | Registered nurse |
| Breeder | Dental lab technician | Marine biologist |
| Extension service worker | Fish and game worker | Soil conservationist |
| Wildlife reserve worker | Forest conservationist | Veterinarian |
| Optician | GPS technician | Chemist |
| Data Entry | Surveyor | Environmental scientist |
| Farmer | Veterinary Technician | Zoologist |
| | | Nuclear engineer |