

Science & Health **PATHWAY**

Career Cluster Areas

Agriculture, Food & Natural Resources
Health Science
Scientific Research/Engineering

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!

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>

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

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