

# SCIENCE AND HEALTH PATHWAY

## Career Cluster Areas

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

Do you enjoy 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>

## Northwest PA

(Clarion, Crawford, Erie, Forest, Venango and Warren counties)

### Select High Priority Jobs, Educational Attainment & Average Entry-Level Wages (2021)

#### Associate Degree

|                    |                                  |
|--------------------|----------------------------------|
| Dental Hygienists* | Diagnostic Medical Sonographers* |
| \$53,770           |                                  |

|                       |          |
|-----------------------|----------|
| Dietetic Technicians* | \$52,350 |
| \$20,980              |          |

|                         |
|-------------------------|
| Respiratory Therapists* |
| \$45,250                |

#### Graduate Degree

|                      |                                 |
|----------------------|---------------------------------|
| Nurse Practitioners* | Family & General Practitioners* |
| \$78,520             |                                 |

|                |                                   |
|----------------|-----------------------------------|
| Veterinarians* | \$113,890                         |
| \$65,930       |                                   |
|                | Physical/Occupational Therapists* |
|                | \$64,360/\$62,470                 |



#### Post-Secondary

|                    |                               |
|--------------------|-------------------------------|
| Nursing Assistants | Licensed Practical & Licensed |
| \$24,790           |                               |

|                    |                   |
|--------------------|-------------------|
| Dental Assistants* | Vocational Nurses |
| \$29,280           | \$33,850          |

|                    |
|--------------------|
| EMTs & Paramedics* |
| \$23,440           |

#### Short- or Moderate-Term OJT

|                    |   |
|--------------------|---|
| Home Health Aides* | Veterinary Assistants & Laboratory Animal |
| \$21,680           |   |

|                         |                       |
|-------------------------|-----------------------|
| Farmworkers & Laborers* | Caretakers*           |
| \$19,300                | \$20,620              |
|                         | Pharmacy Technicians* |
|                         | \$23,290              |

#### Bachelor Degree

|                   |                             |
|-------------------|-----------------------------|
| Registered Nurses | Dietitians & Nutritionists* |
| \$46,530          |                             |

|                |          |
|----------------|----------|
| Geoscientists* | \$40,720 |
| \$57,360       |          |

|   |
|---|
| Environmental Scientists & Specialists* |
| \$46,460                                |

\* Not on NWPA High Priority Occupations List, but identified as statewide need on the PA In-Demand Occupations List (PA IDOL)

For a list of Top 50 Employers by county, visit: <http://bit.ly/Top50Emp>

# SCIENCE AND HEALTH PATHWAY

This Pathway involves 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...   | Are you able to...  | Do you enjoy...  |
|--|---|--|
| Healthcare environment<br>Science and medicine<br>Medical research<br>Food production<br>Environment and conservation<br>Pharmacy<br>Animals<br>Physical therapy<br>Sports and fitness<br>Information systems<br>Radiology | Pay attention to detail<br>Use a computer and technology<br>Work in a lab or medical facility<br>Apply scientific theory to real problems<br>Work outdoors<br>Collect and analyze data from experiments<br>Care for people in need<br>Work with animals | Helping people<br>Caring for sick animals<br>Working outdoors with wildlife<br>Working on cutting edge research<br>Working on a team<br>Making a contribution to society<br>Working with numbers<br>Developing conclusions from data |

If you answered “yes” to many of these questions, you might consider a future in one of the occupations listed on the front of this flyer, or below.

## Additional PA In-Demand Occupations

| Short- or Moderate-Term OJT /Related Work Experience   | Long-Term OJT / Post-Secondary / Associate Degree   | Bachelor or Advanced Degree   |
|--|---|---|
| Dental Laboratory Technicians<br>Farmworkers: Farm, Ranch & Aqua. Animals<br>Farmers, Ranchers & Other Agri. Managers<br>Medical Secretaries & Admin. Assistants<br>Personal Care Aides<br>Physical Therapist Aides<br>Psychiatric Aides | Environ. Science & Protection Techs<br>Phlebotomist<br>Medical Assistants<br>Medical Records & Health Info. Techs<br>Occupational Therapy Assistants<br>Physical Therapist Assistants<br>Surgical Technologists<br><i>And more...</i> | Chemical Engineers<br>Medical & Health Services Managers<br>Medical Scientists<br>Nurse Anesthetists<br>Physician Assistants<br>Psychiatrists<br>Survey Researchers<br><i>And more...</i> |

### Education/Training Resources

#### Adult Basic Education

Northwest Tri-County Intermediate Unit #5:  
<https://www.iu5.org/community-services/adult-education>

#### Post-Secondary Education / Training Options

PA Eligible Training Provider List: <http://bit.ly/PACLETPL>  
 PA Colleges & Universities: <http://bit.ly/PACollegeandUniv>

To access the full *High Priority Occupations List for NWPA* and the *PA IDOL* list, visit:  
<https://www.nwpajobconnect.org/resources/high-priority-occupations-hpo>

To contact **Northwest PA CareerLink®**, call 1-844-333-5248.  
 Auxiliary aids and services are available upon request to individuals with disabilities.  
 Equal Opportunity Employer/Program EO Officer: 814-333-1286