



SCIENCE & HEALTH PATHWAY



Do you like working with animals and plants? Math and science courses? Cutting edge technology? Solving problems? Research and data?

If so, this pathway may be for you!

Cultivating students' awareness, understanding and application in career areas that include:

AGRICULTURE
FOOD & NATURAL RESOURCES
CONSERVATION
ANIMAL SCIENCES

Sample Employers from this Pathway:

Animal Care Hospitals, Bingaman & Son Lumber Inc., BrightFarms, Conagra Brands, Conestoga Wood Specialties, Creative Landscapes Inc., Kurt Weiss Greenhouses, Inc., Pik-Rite Inc., Reinhart Food Services, Rovendale Ag & Barn Inc., Tractor Supply Co., etc.

Central Pennsylvania's Agriculture Occupations

Prepared by **Advance Central PA**
Source: Lightcast Q1 2023 Data Set

Food Service Managers

Related Work Experience

\$40,417

Entry Level Wages

\$58,142

Average Wages

Farmworkers, Farm, Ranch & Aquacultural Animals

Short-Term On-the-Job Training

\$17,703

Entry Level Wages

\$33,685

Average Wages

Soil & Plant Scientists

Bachelor's Degree

\$51,160

Entry Level Wages

\$69,813

Average Wages

Conservation Scientists

Bachelor's Degree

\$45,666

Entry Level Wages

\$60,039

Average Wages

Veterinarians

Doctoral or Professional Degree

\$72,360

Entry Level Wages

\$104,364

Average Wages

2022
CAREER READY
Central PA

CAREER PLANNING

KNOW YOURSELF

Identify your values, strengths, and skills and how they relate to your career goals.

TRY OUT CAREERS

Interview a professional, participate in a job shadow or internship, and network.

WORK YOUR PLAN

Apply to the job, post-secondary training or education option that aligns with your career interests.



RESEARCH CAREERS

Know the required education or training; the job outlook; and the potential earning and advancement opportunities.

RESEARCH REQUIREMENTS

Look at all the options (on-the-job training, apprenticeship, or programs and costs) aligned with your career interests.

What courses are offered in the Agricultural Pathway? Choices vary at each school but may include the below list. Check with your counselor or advisor to learn more.

Agriculture Courses:

Ag Business
Forestry
Horticulture
Landscaping
Plant Science
Soil Science
Veterinary Science

Science Courses:

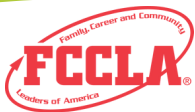
Advanced Placement Biology
Advanced Placement Chemistry
Anatomy and Physiology Biology
Chemistry
Earth Science
Ecology
Environmental Science



PA Dept. of Education Approved Programs:

Advanced Wood Products
Agriculture Plant Systems & Technology
Culinary/Food Preparation

In addition to courses, students may have opportunities to experience careers in the Science & Health fields through job shadows, internships and other real world experiences.



Additional Central PA Agricultural Occupations

Occupation	Education Level	Entry Annual Wage	Average Annual Wage	Avg. Annual Openings
Agricultural Equipment Operators	MT OJT	\$22,609	\$34,807	25
Agricultural Inspectors	BD	\$45,625	\$56,896	8
Biological Technicians	BD	\$44,592	\$53,106	27
Buyers & Purchasing Agents	BD	\$46,962	\$61,506	67
Farm and Home Management Educators	MD	\$39,744	\$62,480	5
Farm Equipment Mechanics & Service Technicians	LT OJT	\$32,450	\$39,365	10
Farmworkers & Laborers, Crop, Nursery & Greenhouse	ST OJT	\$19,444	\$29,932	161
First-Line Supervisors of Farming, Fishing & Forestry Workers	WK EXP	\$50,930	\$32,395	22
Food Service Managers	WK EXP	\$40,417	\$58,142	89
Foresters	BD	\$58,816	\$67,868	4
Geoscientists	BD	\$65,246	\$80,744	10
Graders & Sorters, Agricultural Products	ST OJT	\$25,597	\$29,997	15
Logging Equipment Operators	MT OJT	\$29,397	\$38,946	19
Veterinary Assistants & Laboratory Animal Caretakers	ST OJT	\$24,471	\$30,369	55
Veterinary Technologists & Technicians	AD	\$28,611	\$34,278	40
Zoologists & Wildlife Biologists	BD	\$64,215	\$78,358	5

Prepared by **Advance Central PA**. Source: Lightcast Q1 2023 Data Set

LEGEND: **ST OJT:** Short-Term, On-the-Job Training **MT OJT:** Moderate-Term, On-the-Job Training **LT OJT:** Long-Term, On-the-Job Training
WK EXP: Related Work Experience **PS/PS+:** Post-Secondary Training **AD/AD+:** Associate Degree
BD/BD+: Bachelor's Degree **MD/MD+:** Master's Degree **PhD/PROF:** Professional Degree

Members of Career Ready Central PA, a regional organization whose mission is to “implement a comprehensive career education strategy to create and share resources and opportunities for schools, students, families and businesses that will produce a skilled, sustainable workforce,” developed this brochure. Career Ready Central PA members represent area school districts, universities, workforce development agencies, local business/industry, and nonprofit organizations. Learn more at www.pathtocareers.org.