

## Somerset County Vo-Tech Program Overview

# Agricultural Science

Employment of Agricultural and Food Scientists is projected to grow by about 9% over the next 10 years. The median pay for an Agricultural or Food Scientist in 2020 was \$68,830 per year or \$33.09 per hour.

(Source: United States Bureau of Labor Statistics)



*Agricultural Science provides a rigorous, hands on scientific education geared primarily for college bound students interested in Biology, Biotechnology, Ecology or Modern Agricultural Sciences. The curriculum includes scientific instruction in microbiology, plant and animal sciences, traditional and hydroponic operations, organic chemistry, natural resources, and agricultural mechanics. Students are also prepared to become leaders in their fields with instruction in communication, leadership, project management and marketing. The program provides students the opportunity to engage in local events run by the National FFA (formerly known as Future Farmers of America) which allows professional connections to be made with the Agricultural and Biotech communities. Seniors may earn college credits through credit articulation agreements with the County College of Morris, Delaware Valley University and Rutgers University.*

### Curriculum:

Year 1: Introduction to Agriculture, Food and Natural Resources

Year 2: Principles of Plant Agricultural Science

Year 3: Animal and Plant Biotechnology

Year 4: Agribusiness, Research and Development

-Independent Study: Agricultural Business Foundations

Classes meet for 3 periods/2 hours per day, 5 days a week

Average number of new students accepted per year: 8

Opportunity for professional certifications: YES, OSHA 10 Hour Certification

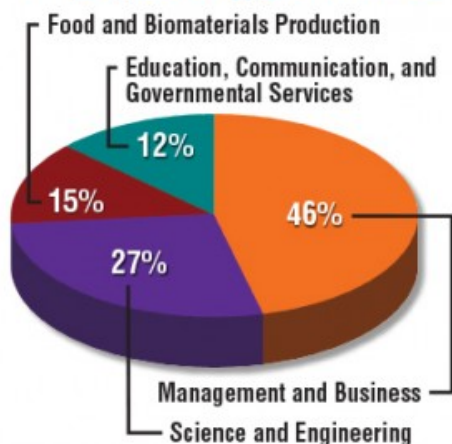
Opportunity to earn college credits: YES

---

### Future Careers for Agricultural Science Students

---

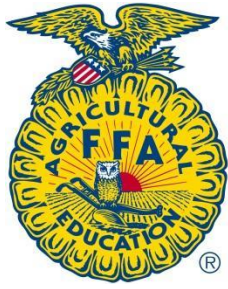
#### Employment Opportunities



Source: Oregon State University, College of Agricultural Sciences

Agriculture Teacher/Professor  
Animal or Plant Geneticist  
Biochemist  
Biologist  
Ecologist  
Environmental/Civil/Physical Engineer  
Food Scientist  
Hydrologist  
Landscape Architect  
Marine/Coastal Scientist  
Microbiologist  
Naturalist  
Veterinarian  
Wildlife Biologist  
300+ other job titles

**PARA ASISTENCIA EN ESPAÑOL LLAME AL 908-526-8900 x7298 o x7264**

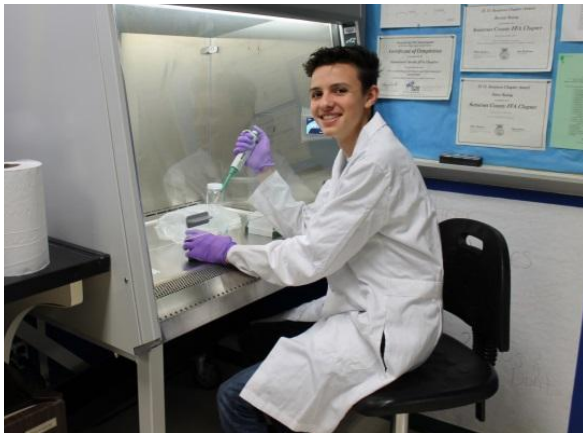


FFA is an intercurricular student organization for those interested in agriculture and leadership. It is one of three components of agricultural education, the other two components being classroom based learning and service or work based learning.

SCVTHS students have the opportunity to compete for state and national recognition in both SkillsUSA and FFA competitions

#### Recent Awards

2017	NJ FFA	Outstanding Officer Team award
2018	NJ FFA	1 <sup>st</sup> place Agricultural Sales competition
2018	NJ FFA	Bronze medal Community Service Challenge
2019	NJ FFA	National Chapter Award
2019	SCVTHS Senior	was named SCVTHS Valedictorian
2020	NJ FFA	1 <sup>st</sup> Place Agriscience Fair
2021	SCVTHS	Two SCVTHS Scholar Athletes



Classroom and lab work range from traditional instruction to college level biological experiments that provide a strong academic foundation for student growth.

Hands on projects teach scientific thinking as well as project management, leadership skills, and the real world application of scientific principles learned in the classroom.

All Somerset County Vocational & Technical School programs are supported by a community advisory panel. The Agricultural Science advisory panel members include:

Franz Bach	Koba Corporation
Bruce Crawford	Morris County Parks
Dr. Christine Jenkins	Zoetis
Tomy & Andrea Kennette	Martenette Farms
Darrell Marcinek	Somerset County Parks
Everette Merrill	Former Parent
Erin Noble	NJ Dept. of Agriculture- Office of Food, Agriculture & Natural Resources Education
Nick Polanin	Rutgers, Somerset County Extension
Craig Tolley	County College of Morris

**PARA ASISTENCIA EN ESPAÑOL LLAME AL 908-526-8900 x7298 o x7264**