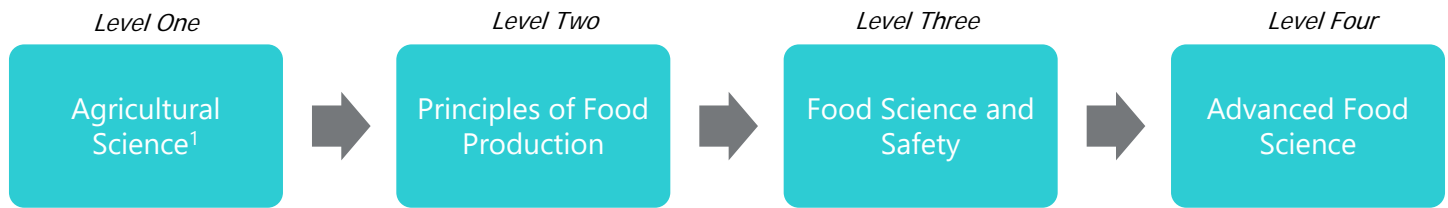


OBION COUNTY CENTRAL HIGH SCHOOL FOOD SCIENCE

Agriculture, Food, and Natural Resources



¹ Satisfies one lab science credit required for graduation.

ABOUT THE PROGRAM OF STUDY

The *Food Science* program of study designed to introduce students to the growing fields of food science and technology industry. This program of study includes plant and animal structural anatomy, systems, economics of production, genetics and biotechnology, and other management approaches associated with plant and animal production. Advanced courses explore food safety and sanitation, foodborne pathogens, food-related standards and regulations, characteristics and properties of food products, processing and grading techniques and skills, and food labeling and packaging. Upon completion of this course, students will be equipped with the technical knowledge and skills necessary for further education and careers in food science.

Dual credit/dual enrollment options include:

- Advanced Food Science

High School *Food Science* Program of Study

CTE & Science Credit

- Agriscience

Early Postsecondary

Dual Enrollment/Dual Credit

- Tennessee State University

CTSO Competitive Events

- FFA

Associates

A.A.S. Agriculture

- Walters State Community College
- Dyersburg State Comm. College

Bachelors +

Food Science Degree Programs

- University of Tennessee, Knoxville
- University of Tennessee at Martin

B.S. Animal Science and B.S. Plant Science Degrees

- Austin Peay University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Masters Degree Programs - Food Science

- Tennessee State University
- University of Tennessee, Knoxville

Doctorate Degree Programs - Food Science Speciality Areas

- University of Tennessee, Knoxville

High School Diploma

- Butchers and Meat Cutters (\$28,760)

Associates

- First-Line Supervisor (\$39,470)

Bachelors

- Front-Line Supervisor or office and support workers (\$49,300)
- Food Scientist and Technicians (\$55,860)
- Food Scientist and Technicians with advanced degree (\$98,490)

The job outlook for this program of study is growing within the food science and technicians occupations.

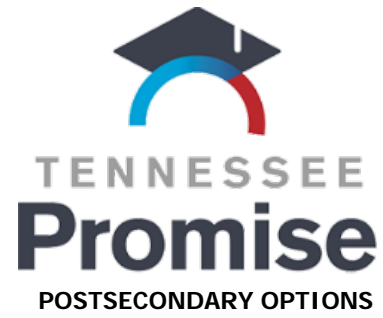


Source: Tennessee Department of Labor and Workforce Development. Accessed Aug. 2017

Food Science Related Occupations with Largest Annual Percentage of Openings in Tennessee (2014-2024)

Occupation	2014 Estimated Employment	2024 Projected Employment	Employment Change	Annual Avg. Percent Change
19-1013 Soil and Plant Scientists	200	200	10	1%
19-4011 Food science technicians	520	560	20	7%
25-1041 Agricultural Sciences Teachers, Postsecondary, Food Science and Processing	260	290	10	14%
51-3021 Butchers and meat cutters	2,750	3,100	350	13%

Source: TN Dept of Labor & Workforce Dev, Div Emp Sec, R&S
Downloaded: May 17, 2017



Have you registered for the Tennessee Promise? Seniors enrolled in this program have the chance to attend a two-year program at a Tennessee College of Applied Technology (TCAT), community college, or some two-year university programs for free! To learn more, please see your school counselor or visit <http://www.tennesseepromise.gov>.

Postsecondary Offerings		
Program of Study	School	Degree Program
Food Science and Technology Options: Pre-Pharmacy, Pre-Professional, Science, Technology/Business Animal Science/Plant Science	University of Tennessee, Knoxville	Bachelor's, Master's , and/or Doctoral
Animal Science/Plant Science	Austin Peay State University Middle Tennessee State University Tennessee State University Tennessee Tech University University of Tennessee at Martin	Bachelor's

For more college and career planning resources, visit <http://collegefortn.org>.

Students in this program of study will be eligible to join FFA. In addition to school events, students will be able to compete at the district, regional, state, and national levels. Through FFA, students not only learn about agriculture, but also professionalism, leadership, and soft skills. Walk away from your high school career with experience in competing, networking, applying course content, and more! See your agriculture teacher to learn more about FFA or visit <http://www.tnffa.org>.



For more information, contact:

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