



CAREER PATH

Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Environmental Service Systems



AGRICULTURAL AND FOOD SCIENCE TECHNICIAN

Work with agricultural scientists in food, fiber, and animal research, production, and processing; assist with animal breeding and nutrition work; under supervision, conduct tests and experiments to improve yield and quality of crops or to increase the resistance of plants and animals to disease or insects. Includes technicians who assist food scientists or food technologists in the research, development, production technology, quality control, packaging, processing, and use of foods.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as an agent or business manager are reinforced by taking rigorous and relevant courses, as well as participating in work-based experiences and student organization activities.

(See the Sample Personal Plan of Study for suggested coursework, activities, and knowledge and skills to pursue in preparation of an occupation in this Career Cluster.)

Education Requirements

Occupation	Percent of Missouri employees aged 25 to 44 in the occupation whose highest level of educational attainment is:		
	High School or Less	Some College	Bachelor Degree or More
Agricultural and food science technicians	42.7%	25.6%	31.6%
Life, physical, and social science technicians	23.7%	32.8%	43.5%
Life, physical, and social science	5.6%	12.7%	81.7%

Most Common Educational Level: Associate degree

Note: Be sure to learn whether your occupation has a specific requirement for education or licensing. Apprenticeships are available for more than 240 occupations. Visit www.oa.doleta.gov/bat.cfm

National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$12.97	\$16.17	\$20.11
	Yearly	\$27,000	\$33,600	\$41,800
Missouri	Hourly	\$13.46	\$16.02	\$19.55
	Yearly	\$28,000	\$33,300	\$40,700

Based on (*) lower 25% and (**) upper 25% percentile of wages

National and State Employment Trends

Agricultural and Food Science Technician	Employment		Percent Change	Job Openings*
	2006	2016		
United States	25,800	27,500	+ 7%	570
Missouri	N/A	N/A	N/A	N/A

*The estimate for Job Openings includes both turnover that results from people who leave the occupation (e.g. quit, retire, death) and new jobs that are created.

Educational Opportunities

Note: This list may not be all inclusive. For more information about Missouri schools and programs, visit www.dhe.mo.gov

College of the Ozarks

Point Lookout, MO
(417) 334-6411
www.cofo.edu

Crowder College

Neosho, MO
(417) 451-3223
www.crowder.edu

Missouri State University

Springfield, MO
(417) 836-5000
www.missouristate.edu

Northwest Missouri State University

Maryville, MO
(660) 562-1212
www.nwmissouri.edu

University of Missouri - Columbia

Columbia, MO
(573) 882-2121
www.missouri.edu



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