



CAREER PATH

# Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Natural Resources and Environmental Service Systems



## ENVIRONMENTAL SCIENCE & PROTECTION TECHNICIAN

Performs laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health. Under direction of an environmental scientist or specialist, may collect samples of gases, soil, water, and other materials for testing and take corrective actions as assigned.

### Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as an environmental science and protection technician 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
Environmental science and protection technicians	19.4%	34.9%	45.7%
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's 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.oe.doleta.gov/bat.cfm](http://www.oe.doleta.gov/bat.cfm)

### National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$14.73	\$18.93	\$25.13
	Yearly	\$30,600	\$39,400	\$52,300
Missouri	Hourly	\$15.49	\$17.78	\$20.71
	Yearly	\$32,200	\$37,000	\$43,100

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

### National and State Employment Trends

Environmental Science and Protection Technician	Employment		Percent Change	Job Openings*
	2006	2016		
United States	36,500	46,700	+ 28%	2,410
Missouri	240	260	+ 8%	10

\*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](http://www.dhe.mo.gov)

#### Central Methodist University

Fayette, MO  
(660) 248-3391  
[www.centralmethodist.edu](http://www.centralmethodist.edu)

#### Columbia College

Columbia, MO  
(573) 875-8700  
[www.ccis.edu](http://www.ccis.edu)

#### Drury University

Springfield, MO  
(417) 873-7879  
[www.drury.edu](http://www.drury.edu)

#### Maryville University of Saint Louis

Saint Louis, MO  
(800) 627-9855  
[www.maryville.edu](http://www.maryville.edu)

#### North Central Missouri College

Trenton, MO  
(660) 359-3948  
[www.ncmissouri.edu](http://www.ncmissouri.edu)

#### Southeast Missouri State University

Cape Girardeau, MO  
(573) 651-2000  
[www.semo.edu](http://www.semo.edu)

#### Washington University

St. Louis, MO  
(314) 935-5000  
[www.wustl.edu](http://www.wustl.edu)

#### Webster University

St. Louis, MO  
(314) 968-6900  
[www.websteruniv.edu](http://www.websteruniv.edu)

#### Westminster College

Fulton, MO  
(573) 642-3361  
[www.westminster-mo.edu](http://www.westminster-mo.edu)



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