



CAREER PATH

Natural Resources Agriculture

CAREER CLUSTER

Agriculture, Food and Natural Resources

CAREER PATHWAY

Natural Resources and Environmental Service Systems



CONSERVATION SCIENTIST

Manage, improve, and protect natural resources. Conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands. Instruct farmers, agricultural production managers, or ranchers in best ways to use crop rotation, contour plowing, or terracing to conserve soil and water; in the number and kind of livestock and forage plants best suited to particular ranges; and in range and farm improvements.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a conservation scientist 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
Conservation scientists	0.0%	14.0%	85.7%
Life scientists	0.0%	8.6%	91.4%
Life, physical, and social science	5.6%	12.7%	81.7%

Most Common Educational Level: Bachelor'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.oa.doleta.gov/bat.cfm

National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$20.48	\$27.00	\$33.74
	Yearly	\$42,600	\$56,200	\$70,200
Missouri	Hourly	\$11.18	\$17.53	\$28.05
	Yearly	\$23,300	\$36,500	\$58,300

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

National and State Employment Trends

Conservation Scientist	Employment		Percent Change	Job Openings*
	2006	2016		
United States	19,800	20,800	+ 5%	690
Missouri	790	830	+ 4%	30

*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

Drury University

Springfield, MO
(417) 873-7879
www.drury.edu

Missouri State University

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

Missouri Western State University

Saint Joseph, MO
(816) 271-4200
www.missouriwestern.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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