



## AGRICULTURE, FOOD, & NATURAL RESOURCES CAREER CLUSTER PATHWAY: NATURAL RESOURCES SYSTEMS

DEGREE/TRAINING REQUIRED  Standard Occupational System (SOC) Code	OCCUPATION	KANSAS MEDIAN SALARY <sup>i</sup>	% CHANGE / EMPLOYMENT PROSPECTS	
			KANSAS 2012-2022 <sup>ii</sup>	USA 2014-2024 <sup>iii</sup>
<b>-Associate Degree</b> <b>-Certifications</b> <b>-On the Job Training</b> <b>-2 Yr. Community/Technical Colleges</b> <b>-Registered Apprenticeship</b>				
19-4041	Geological and Petroleum Technicians: Geological Sample Test Technicians / Soil Geology Technician	\$48,690/year	+1.4%	+11.8%
19-4091	Environmental Science and Protection Technicians, Including Health: Water Monitoring Technician	\$44,450/year	+0.3%	+9.5%
19-4093	Forest and Conservation Technicians: Range Technicians	\$45,370/year	+9%	-5.7%
19-4021	Biological Technicians: Fisheries Technicians	\$36,310/year	+1.3%	+5.2%
47-2073	Operating Engineers and Other Construction Equipment Operators: Heavy Equipment Operators	\$34,730/year	+0.8%	+10.2%
33-3031	Fish and Game Wardens: Fish and Game Officers	\$41,160/year	+1%	+5.3%
45-4022	Logging Equipment Operators : Logging Tractor Operators	N/A	N/A	-1%
45-4011	Forest and Conservation Workers	\$27,370/year	0.6%	+4.2%
45-4023	Log Graders and Scalers	N/A	N/A	-2%

<sup>i</sup> Salary data from the Kansas Department of Labor, 2014 Kansas Wage Survey

<sup>ii</sup> 2012-2022 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

<sup>iii</sup> 2014-2024 National Employment Occupational Outlook Handbook, <http://www.bls.gov/oco>

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47-4041	Hazardous Materials Removal Workers: Hazardous Materials Technicians	\$31,910/year	+1.3%	+7.4%
53-7032	Excavating and Loading Machine and Dragline Operators: Heavy Equipment Operators	\$34,480/year	+1.5%	+6.2%
<b>Bachelor's Degrees Colleges / Universities</b>				
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	N/A	N/A	+6.4%
11-3051	Industrial Production Managers: Pulp and Paper Manager	\$77,160/year	+0.6%	-3.7%
11-1021	General and Operations Managers: Park Managers	\$87,290/year	+1.2%	+2%
19-1031	Conservation Scientist	\$68,610/year	+0.4%	+6.9%
17-1021	Cartographers and Photogrammetrists	\$47,060/year	+2.8%	+29.3%
11-9013	Farm, Ranch, and Other Agricultural Managers: Fish Hatchery Managers	N/A	-0.5%	+1.9%
N/A	Social and Community Service Managers: Youth Program Directors	N/A	N/A	+21% or more
<b>Graduate Degrees Colleges/Universities</b>				
19-2042	Geoscientists, Except Hydrologists and Geographers: Geologists	\$71,090/year	+1.1%	+10.5%
11-9121	Natural Sciences Managers: Wildlife Managers	\$91,160/year	+1%	+3.3%
19-2043	Hydrologists	\$N/A	N/A	+6.9%
19-2041	Environmental Scientists and Specialists, Including Health: Ecologists / Environmentalists	\$54,010	+1.1%	+10.7%
19-1042	Medical Scientists, Except Epidemiologists: Toxicologists	\$77,420/year	+1.7%	+8.3%

N/A = Data Not Available

<b>Employment is projected to:</b>	<b>Growth compared to average:</b>
increase 21 percent or more	Grow much faster than average
increase 14 to 20 percent	Grow faster than average
increase 7 to 13 percent	Grow about as fast as average
increase 3 to 6 percent	Grow more slowly than average
decrease 2 percent to increase 2 percent	Little or no change
decrease 3 to 9 percent	Decline slowly or moderately
decrease 10 percent or more	Decline rapidly