



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

DEGREE/TRAINING REQUIRED Standard Occupational System (SOC) Code	OCCUPATION	KANSAS AVERAGE SALARY ⁱ	% CHANGE / EMPLOYMENT PROSPECTS	
			KANSAS 2010-2020 ⁱⁱ	USA 2010-2020 ⁱⁱⁱ
-Associate Degree -Certifications -On the Job Training -2 Yr. Community/Technical Colleges -Registered Apprenticeship				
19-4041	Geological and Petroleum Technicians: Geological Sample Test Technicians / Soil Geology Technician	\$21.65/hr.	+15%	+15%
19-4091	Environmental Science and Protection Technicians, Including Health: Water Monitoring Technician	\$21.11/hr.	+14%	+24%
19-4093	Forest and Conservation Technicians: Range Technicians	\$19.80/hr.	+3%	-1%
19-4021	Biological Technicians: Fisheries Technicians	\$18.34/hr.	+22%	+14%
47-2073	Operating Engineers and Other Construction Equipment Operators: Heavy Equipment Operators	\$16.99/hr.	+11%	+23%
33-3031	Fish and Game Wardens: Fish and Game Officers	N/A	+5%	+5%
45-4022	Logging Equipment Operators : Logging Tractor Operators	N/A	N/A	+4%
45-4021	Fallers: Loggers	N/A	N/A	+3%
45-4023	Log Graders and Scalers	N/A	N/A	+13%
47-4041	Hazardous Materials Removal Workers:	\$17.62/hr.	+31%	+23%

ⁱ 2010-2020 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

ⁱⁱ 2010-2020 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

ⁱⁱⁱ 2012-2013 National Employment Occupational Outlook Handbook, <http://www.bls.gov/ooh>

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	Hazardous Materials Technicians			
53-7032	Excavating and Loading Machine and Dragline Operators: Heavy Equipment Operators	\$17.17/hr.	+15%	+17%
Bachelor's Degrees Colleges / Universities				
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	N/A	N/A	+10%
11-3051	Industrial Production Managers: Pulp and Paper Manager	\$37.61/hr.	+14%	+9%
11-1021	General and Operations Managers: Park Managers	\$47.03/hr.	+1%	+5%
19-1030	Range Managers	N/A	N/A	+1%
17-1021	Cartographers and Photogrammetrists	\$21.67/hr.	+30%	+22%
11-9011	Farm, Ranch, and Other Agricultural Managers: Fish Hatchery Managers	N/A	N/A	-8%
Graduate Degrees Colleges/Universities				
19-2042	Geoscientists, Except Hydrologists and Geographers: Geologists	\$33.84/hr.	+19%	+21%
11-9121	Natural Sciences Managers: Wildlife Managers	\$52.65/hr.	+5%	+8%
19-2043	Hydrologists	N/A	N/A	+18%
19-2041	Environmental Scientists and Specialists, Including Health: Ecologists / Environmentalists	\$28.03/hr.	+13%	+19%
19-1042	Medical Scientists, Except Epidemiologists: Toxicologists	\$34.33/hr.	+36%	+36%

N/A = Data Not Available

Employment is projected to:	Growth compared to average:
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