

Long-term Employment Prospects (2016-2026)
Data Source: Occupational Employment Statistics Survey
<http://labor.ny.gov/stats/lspoj.shtm> (accessed on 11/5/2018)

Here is a summary of employment prospects in areas relevant to the offered A.A.S. in Natural Resources Conservation (including the Forest Technology Concentration) and the B. Tech. degree in Renewable Resources Technology at SUNY Morrisville:

Standard Occupational Classifications	Job Title	Annual Average Openings	2018 Annual Wages			Typical Education Needed for Entry	Most Common Education Attained by Workers in the Occupation	Employment Prospects	US Growth Rate
			Median	Entry	Experienced				
11-9121	Natural Sciences Managers	200	\$129,850	\$88,970	\$187,250	Bachelor's degree	Bachelor's degree	Favorable	9.9%
17-3025	Environmental Engineering Technicians	130	\$57,030	\$35,030	\$69,460	Associate's degree	Some college, no degree	Favorable	12.9%
19-1023	Zoologists and Wildlife Biologists	50	\$68,800	\$46,070	\$79,700	Bachelor's degree	Bachelor's degree	Unfavorable	7.6%
19-2041	Environmental Scientists and Specialists, Including Health	540	\$75,550	\$49,560	\$94,600	Bachelor's degree	Bachelor's degree	Very Favorable	11.1%
19-4091	Environmental Science and Protection Technicians, Including Health	380	\$47,230	\$31,860	\$59,880	Associate's degree	Bachelor's degree	Very Favorable	12.1%
19-4093	Forest and Conservation Technicians	60	\$37,030	\$30,140	\$45,650	Associate's degree	Bachelor's degree	Unfavorable	3.8%
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	160	\$60,720	\$42,180	\$70,420	High school diploma or equivalent	High school diploma or equivalent	Unfavorable	1.9%
45-4022	Logging Equipment Operators	160	\$39,020	\$32,460	\$45,500	High school diploma or equivalent	High school diploma or equivalent	Very Unfavorable	-12.6%

11-9121 Natural Sciences Managers

Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields. Excludes Architecture and Engineering Managers (11-9041) and Computer and Information Systems Managers (11-3021).

17-3025 Environmental Engineering Technicians

Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental pollution, including waste treatment and site remediation. May assist in the development of environmental pollution remediation devices under direction of engineer.

19-1023 Zoologists and Wildlife Biologists

Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May specialize in wildlife research and management. May collect and analyze biological data to determine the environmental effects of present and potential use of land and water habitats.

19-2041 Environmental Scientists and Specialists, Including Health

Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or public health. Using knowledge of various scientific disciplines, may collect, synthesize, study, report, and recommend action based on data derived from measurements or observations of air, food, soil, water, and other sources. Excludes “Zoologists and Wildlife Biologists” (19-1023), “Conservation Scientists” (19-1031), “Forest and Conservation Technicians” (19-4071), “Occupational Health and Safety Specialists” (19-5011), “Fish and Game Wardens” (33-3031), and “Forest and Conservation Workers” (45-4011).

19-4091 Environmental Science and Protection Technicians, Including Health

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.

19-4093 Forest and Conservation Technicians

Compile data pertaining to size, content, condition, and other characteristics of forest tracts, under direction of foresters; train and lead forest workers in forest propagation, fire prevention and suppression. May assist conservation scientists in managing, improving, and protecting rangelands and wildlife habitats, and help provide technical assistance regarding the conservation of soil, water, and related natural resources.

45-1011 First-Line Supervisors of Farming, Fishing, and Forestry Workers

Directly supervise and coordinate the activities of agricultural, forestry, aquacultural, and related workers. Excludes “First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers” (37-1012).

45-4022 Logging Equipment Operators

Drive logging tractor or wheeled vehicle equipped with one or more accessories, such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; to skid, load, unload, or stack logs; or to pull stumps or clear brush. Includes operating stand-alone logging machines, such as log chippers. Logging truck drivers are included in “Heavy and Tractor-Trailer Truck Drivers” (53-3032).

Employment Prospect Descriptors

“Very Unfavorable” refers to occupations with a small or medium number of total annual openings and a declining growth rate.

“Unfavorable” refers to slow-growing occupations with a small or medium number of annual openings as well as declining occupations with a large number of annual openings. For these occupations, growth rates and numbers of annual total openings mean fewer opportunities relative to other occupations.

“Favorable” refers to slow-growing occupations with a large number of annual openings; moderate growth occupations with a small and medium number of annual openings; and fast-growing occupations with a small number of annual openings. For these three groups of occupations, prospects for employment are good.

“Very favorable” refers to occupations with a moderate growth rate and a large number of total annual openings as well as fast-growing occupations that have a medium or a large number of total annual openings. These occupations offer the best prospects for employment.