
My NASA Data - STEM Career Connections

SCIENCE: Soil Scientist



Education

Soil scientists require a bachelor's degree in science disciplines such as botany, biology, agriculture, geology, forestry, environmental science or agronomy. Those who wish to become a soil scientist that works as a consultant in the environmental, commercial, horticulture, and/or agriculture sectors need a master's degree in the aforementioned fields. To work in research or a university position, a Ph.D. in one of the previously listed fields is required.

Related Fields

- Landscaper [Link](#)
- Conservation Planner [Link](#)
- Beekeeper [Link](#)
- Water Conservationist [Link](#)
- Wetlands Designer [Link](#)

Work Description

Soil scientists study the physical and chemical properties of soil. A soil scientist reviews the distribution, origin, and history of soil and plants, as well as identifying, interpreting, mapping and/or managing soils. This field is commonly applied for agricultural purposes. Fieldwork is frequently required.

Why is this job Important?

Soil scientists are important for a number of reasons:

- find ways to increase soil productivity
- conserve soil's properties
- preserve soil quality
- prevent erosion
- monitor pollution

NASA Connections

Job Title NASA Examples:

- Soil Fertility Expert
- Soil Mapper
- Soil Surveyor

NASA Career Links:

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- [NASA Internships & Fellowships Pathways](#)
- [NASA Student Volunteer Program](#)