

# RESTORATION SPECIALIST

To be a Restoration Specialist it is vital to research the link that connects the environment and organisms in differentiated situations. They will then make a recommendation on how to improve and replenish ecosystems. Restoration Specialists closely watch over the application of their recommendations and provide support when needed.

## WHAT RESPONSIBILITIES WILL I HAVE?

- Investigate the growth and characteristics of microscopic organisms such as bacteria, algae, or fungi
- Research cell reproduction and human disease
- Manage research of how organisms react to processes in the environment
- Study the relationships among organisms and between organisms in their ecosystem
- Examine the effects of population size, pollutants, rainfall, temperature and altitude
- Collect, study, and report data on the quality of air, food, soil, and water.
- Planning, initiation, coordination, data analysis, report preparation and scientific execution of plant ecological assessment experiments
- Research situations caused by man-made practices and their impact on natural habitats
- Develop biological control strategies to combat pest insects, weeds and pollutants on natural vegetation and wildlife
- Use computer simulations to model problems and evaluate solutions
- Prepare written reports and recommendations
- Ensure operations comply with government regulations and monitor the production of products



## WHAT EDUCATION & TRAINING IS REQUIRED?

A Bachelor's degree in biology or a related field, such as horticulture, chemistry or environmental science

## THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, earth science, biology, botany, chemistry, biology, mathematics

## TYPICAL EMPLOYERS

Seed and crop protection companies, research firms, government or environmental organizations, colleges or universities

## FUTURE JOB MARKET/OUTLOOK



## SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- Society for Range Management
- World Association of Soil and Water Conservation
- Ecological Society of America

## AVERAGE ANNUAL FULL-TIME SALARY

\$40,000