

EARTH SCIENCE

AgCareers.com has identified high demand jobs in the agricultural industry. These career profiles are a helpful resource for students and job seekers to explore new roles in the industry, as well as for career educators.

Climate Change Analyst

JOB OVERVIEW

Research our planet's climate by viewing temperatures, polar ice caps, ocean conditions, and greenhouse gases

Utilize mathematical models to predict future climate change

Write grant proposals in order to further research on climate change and environmental stewardship

Follow and lobby for legislation regarding energy and climate change

JOB OUTLOOK



EDUCATION NEEDED

Bachelor's or Master's in environmental science, climatology, hydrology, meteorology or related science

RECOMMENDED H.S. COURSES

Ag education, physics, computer science, math, statistics, government, and economics

TYPICAL EMPLOYERS

Government agencies, non-profits, and some ag corporations

Ecologist

JOB OVERVIEW

Study the relationship of organisms to their environment

Administer field studies to gain information on test subjects

Perform wetland determination/delineation and related reporting, and monitor construction for environmental impact

Survey areas and identify species to record their existence and population in an area

Use GPS and GIS technology

JOB OUTLOOK



EDUCATION NEEDED

Bachelor's degree in biological sciences, botany, or ecology

RECOMMENDED H.S. COURSES

Ag education, biology, chemistry, computer science, environmental science, and mathematics

TYPICAL EMPLOYERS

Federal & local government, colleges & universities, research institutions, environmental engineering firms, zoos

Geologist

JOB OVERVIEW

Study the earth's crust, minerals, rocks, precious metals and gems, and fossils

Plan & execute minerals program activities and tests

Ensure the proper conservation of minerals and other earth matter

Utilize various equipment such as magnetometers, seismographs, and gravimeters

Locate water resources underground

JOB OUTLOOK



EDUCATION NEEDED

Bachelor's, Master's or doctorate in geology, geosciences, geophysics, or related

RECOMMENDED H.S. COURSES

Ag education, physics, chemistry, earth science, biology, natural resources, and mathematics

TYPICAL EMPLOYERS

Universities, research firms, government agencies, & environmental businesses

PROFESSIONALS IN AG ENERGY CAN EXPECT TO EARN

AN AVERAGE OF \$65,300 PER YEAR