

# CLIMATE CHANGE CAREERS

As the effects of climate change become more extreme, there is a growing need for environmental professionals to work to reduce the negative impact across the world. Explore the related climate change career roles and courses.

## RENEWABLE ENERGY

Sustainable energy sources like wind and solar power are essential to slowing the effects of climate change and reducing CO2 emissions.

- ✓ **Physicists** carry out assessments to monitor the productivity of wind farms and research ways of making sustainable energy sources like wind power more efficient.
- ✓ **Sustainable energy officers** negotiate the building of new wind farms, monitor the effects of wind farms on carbon emissions, and assess their impact on local ecosystems and communities.

### CAREER ROLES

Renewable Energy Scientist / Wind Energy Analyst / Environmental Manager / Environmental Consultant

### RELATED COURSES

Environmental Management / Physics



## SUSTAINABLE FOOD AND SUPPLY CHAINS

Climate change contributes to food insecurity across the globe, impacting the complex supply chains that keep our supermarket shelves stocked.

- ✓ **Food security researchers** monitor these supply chains and research the global market's effect on food production and prices.
- ✓ **Environmental managers** provide sustainable solutions to reduce carbon emissions from food production, packaging and transportation.

### CAREER ROLES

Food Security Researcher / Environmental Manager / Sustainability Manager

### RELATED COURSES

Geography / Environmental Management



## OCEAN MANAGEMENT

Human activities have a devastating impact on our oceans, marine life and habitats.

- ✓ **Marine biologists** work to preserve ocean environments and ecosystems, implement conservation strategies, study marine life and its interaction with the environment, and measure human impact on the oceans.
- ✓ **Geographers and environmental professionals** work to monitor the speed of rising sea levels, assess water quality, and manage and reduce ocean pollution.

### CAREER ROLES

Oceanographer / Marine Biologist / Marine Conservationist / Coastal Risk Officer / Water Management Consultant

### RELATED COURSES

Marine Biology / Geography and Environmental Management



## ENVIRONMENTAL CONSULTANCY

There is a greater need for environmental consultants to advise on best environmental practice, as the impact of global warming causes increasing devastation.

- ✓ **Environmental consultants** help companies reduce their environmental impact and make sure they are complying with regulations.
- ✓ They can specialise in a specific area such as soil contamination, water pollution, carbon emissions, waste management and more.

### CAREER ROLES

Environmental Consultant / Ecological Consultant

### RELATED COURSES

Geography / Environmental Management / Biological Sciences



## NATURAL DISASTERS

Natural disasters such as flooding, wildfires and droughts, and supercharged storms are becoming more and more common.

- ✓ **Flood specialists** work on sustainable river restoration and natural flood management projects to prevent or lessen the effects of future flooding events.
- ✓ **Drought modelling scientists** create models to predict future events of drought to help communities better plan and prepare.

### CAREER ROLES

Meteorologist / Flood Management Specialist / Drought Modelling Scientist

### RELATED COURSES

Geography / Environmental Management



## RECYCLING AND WASTE MANAGEMENT

Recycling helps to save energy, reduce waste and pollution, and prevent the extraction of further raw materials.

- ✓ **Recycling officers** manage local recycling schemes and develop waste reduction policies.
- ✓ **Waste management officers** help develop more sustainable waste disposal schemes, and ensure that waste disposal complies with pollution regulations.

### CAREER ROLES

Recycling Officer / Waste Management Officer

### RELATED COURSES

Geography / Environmental Management



## BIODIVERSITY

Looking after local wildlife in urban and rural areas is essential to preventing further biodiversity loss and protecting endangered species.

- ✓ **Conservation and ecology specialists** work to improve wildlife habitats by expanding woodland and wetland areas, building green infrastructure in urban areas and improving water quality in local rivers.

### CAREER ROLES

Conservation Specialist / Nature Project Officer / Fresh Water Conservationist / Ecological Consultant

### RELATED COURSES

Wildlife Conservation / Biological Sciences / Zoology / Environmental Management

FIND OUT MORE ABOUT CLIMATE CHANGE CAREERS:  
[salford.ac.uk/study-environment](http://salford.ac.uk/study-environment)



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