## **Careers for Climate Change**

Climate change is one of the biggest challenges facing the planet. Scientists and Engineers across all areas of STEM are working on innovations for a more sustainable future. Could you be joining them in the future?

ANIMALS **MECHANICS** Animal Scientist -PHYSICS **BIOLOGY PSYCHOLOGY** reducing emissions by HUMAN changing cattle feed ECTRICITY Entry routes: Agriculture, Animal Science **PLANTS** Psychologist/Nutritionist -studying human behaviour Coral Reef and incentives to change Conservationist -**Renewable Energy** to be eco-friendly regenerating coral reefs Engineer – creating wind Entry routes: from bleaching caused turbines, solar panels etc. Psychology, Food & by warmer temperatures Molecular Biologist -Entry routes: Physics, Human Nutrition Entry routes: Biology, genetically engineering Electrical Engineering, Zoology, Marine crops to withstand Mechanical Engineering Biology changing temperatures Entry routes: Biology, ENGINEERING Agriculture, Applied Environmental **Geospatial Engineer** – uses location Plant Science **Consultant** – advise data to monitor climate change businesses and clients impacts, finds suitable locations for on how to minimise COMPUTING wind turbines, measures glacial melt environmental damage Entry routes: Geographic Information **Entry routes:** Science, Geospatial Surveying and Meteorologist -Agriculture, Earth Mapping modelling and predicting Science. Environmental the weather and studying Science, Biology Engineering causes of weather Hydrologist - studies the conditions distribution and circulation Entry routes: Computer of water on Earth. They may HSO help to prevent flooding and science, Geography, CHEMISTRY droughts brought on by Maths Geoscientist - studies the climate change. Earth's natural resources Entry routes: Civil Entry routes: Earth Science, Engineering, Chemistry, Environmental Science. GEOGRAPHY Geology, Earth Science Geology

## For more information visit stem.ncl.ac.uk



Mechanical Engineer – developing hydrocars and electric vehicles Entry routes: Mechanical Engineering



Environmental Statistician – analysing climate change data Entry routes: Maths, Statistics

Environmental Engineer – design and build sustainable, buildings and structures. Entry routes: Civil Engineering

Carbon Capture Researcher – creating innovations to absorb carbon dioxide. Entry routes: Chemistry, Chemical





Environmental Scientist – studies a variety of aspects of the environment, including changes caused by climate change and microplastics in the ocean. Entry routes: Environmental Science, Earth Science, Chemistry