University of Guyana
Programmes for Climate Change Pursuits

Main Programme: Bachelor of Science (Environmental Studies). This field of study is a multidisciplinary academic field which systematically studies human interaction with the environment in the interests of solving complex problems. This field studies basic principles as; environmental science, ecology, ethics, geography, anthropology, policy, politics, urban planning, law, economics, philosophy, sociology and social justice, planning, pollution control and natural resource management.

General Programmes:
- Bachelor of Science (Forestry)
- Bachelor of Science (Agriculture)
- Bachelor of Science (Environmental Health)
- Bachelor of Science (Geography)
- Bachelor of Science (Biology)
- Bachelor of Social Science (Communication Studies)

Other Careers in Climate Change
- Engineer with Specialisation in Renewable Energy
- Coastal Engineer/Coastal Resources Management
- Public Management
- Spatial Planning (Geographic Information Systems)
- Agriculturalist (Climate Smart Agriculture)
- Research
- Data Management
- Climate Finance Officer
- Environmental Scientist and Specialist
- Climate Change Legislator

Office of Climate Change

Contact Information:
Office Of Climate Change
Shiv Chanderpaul Drive
Georgetown, Guyana

Phone: 592-223-0917, 592-223-5231, 592-223-0975
Website: http://www.climatechange.gov.gy
Facebook: Office of Climate Change – Guyana
Instagram: oceguyana
Twitter: oceguyana
Climatologist - Climatologists are Atmospheric Scientists who study the Earth's climate. They collect and analyze data from sources such as ice cores, soil, water, air, and even plant life to find patterns in weather and learn how those patterns affect the Earth and its inhabitants. Some climatologists study climates of the past.

Requirements: Potential Climatologists would need a Degree in Geography, Meteorology or Atmospheric Science.

Solar Photovoltaic Installer - They place solar panels on structures and configure the panels to produce electricity from sunlight. Their duties can also involve repairing systems that are already installed. As awareness about the causes of climate change has grown people have turned to environmentally safe ways of producing power, which is one of the reasons that solar photovoltaic installers are seeing such a high rate of job growth in their field.

Requirements: Solar photovoltaic installers can learn their profession through on-the-job training with a high school diploma or they can complete a postsecondary certificate program.

Environmental Engineer - Environmental Engineers are professionals who work to find ways to correct or prevent environmental damage. Their duties can involve researching climate change and developing ways to protect the environment. It's most common for these professionals to study environmental engineering and they must have a Bachelor's Degree to work in this field. Some Environmental Engineers work for the government and help create regulations designed to prevent climate change and other environmental issues.

Requirements: Environmental Engineering requires at least a Bachelor’s Degree in Environmental Studies at the UOG and a Master's Degree in Environmental Engineering.

Project Manager - Project Managers will lead a variety of climate change related projects for state, local agencies and private sector clients. Job responsibilities include managing projects, contributing to proposals, and performing technical work. Projects will involve quantifying Greenhouse Gas (GHG) inventories, identifying and quantifying GHG reduction measures, forecasting GHG emissions, quantifying GHG emission impacts from proposed policies or activities, and strategically advising clients on a full suite of carbon management options for their operations.

Requirements: Bachelor degree in related subject (Environmental Science, Environmental Management, Environmental Economics, etc.) Advanced degree preferred.

Public Relations Specialist - Public relations specialists work in media and communications to relay information to the public. Their objective is to establish the desired impression or understanding of the person or issue they represent through speeches, announcements and information that they release. Public relations specialists may work for the government or for special interest groups and may be specifically tasked with getting the public to support environmental causes and increase their understanding of issues such as climate change.

Requirements: They must have a bachelor's degree in a field such as communications.

Hydrologist - A hydrologist studies the ways in which water travels on and through the crust of the earth. They also study how rain, snow, tides and other types of water affect groundwater and rivers. Hydrologists also look at how water is influenced by changes in the climate, which affects society in many ways. For example, communities that are located on the coast can be severely affected by rises in sea level and tides beyond the norm. These scientists often work with remote sensing devices to collect data about how water is traveling over the earth, and how climate change is altering this flow.

Requirements: Hydrologists need to have a Bachelor's Degree at minimum in Geography at the UOG, then specialize in Hydrology.
Environmental Scientist and Specialist

They specifically focus on developing ways to reduce or prevent pollution and improve the health of the planet and its inhabitants. Some specialize in their field and work as climate change analysts and are responsible for conducting research specifically related to the impact climate change is having on the world. Climate change analysts can also play a critical role in educating the public about climate change.

Requirement: Environmental scientists and specialists typically study environmental science or a similar discipline and earn a bachelor's degree to prepare for their career.

Renewable Energy Engineer

Renewable energy engineers are part of the growing sector of green jobs that involve environmentally conscious production. These individuals maximize the energy potential of clean energy sources including wind, solar, geothermal and hydropower. Renewable energy engineers monitor and develop alternative energy outputs. They may pursue different career paths such as consultants and researchers.

Requirement: They need a bachelor's degree in mechanical, electrical or chemical engineering. In order to thrive in this career, students must have an aptitude for math and science.