

## Programme Overview

The energy sector is the most critical sector for all the islands of the Caribbean region and in most cases represents a major source of economic vulnerability. All other forms of economic activity hinge upon having a reliable and cost effective energy supply. Improvements are required in the capacity of the human resource to properly manage the more efficient use of energy, and facilitate the uptake rate of renewable energy technologies. The technical expertise in the implementation of renewable energy technologies and networking into the existing energy framework is required in order to make the essential transition to utilizing a more distributed indigenous renewable energy resource.

There is consequently a great current demand in the market, for executives and other professionals with specialization in the area of sustainable energy systems. A multidisciplinary knowledge of energy sources, distribution technologies and efficient use in buildings and industrial processes, together with social issues and environmental impacts, is an essential tool for project management in this area.

This programme seeks to address these requirements.

## Entry Requirements

- First degree in economics, engineering, management or natural sciences, OR
- First degree in any discipline plus relevant experience working in an energy related field, OR
- Significant work experience in a management environment
- Degrees must be from a recognised University with a GPA of 2.5 or a Lower Second Class Honours degree or its equivalent

## How to Apply

Visit <https://www.mona.uwi.edu/content/entry-requirements>, click on apply now, create an account and follow the instructions.

Submit supporting documents to  
Assistant Registrar, Office of Graduate Studies and Research,  
The University of the West Indies, Mona Campus.

Request degree granting institutions other than The UWI to forward official transcripts directly to the Office of Graduate Studies and Research, The University of the West Indies, Mona Campus.

## Duration

- ▶ Master of Science (Full-Time) – 18 months
- ▶ Master of Science (Part-Time) – 36 months

## Programme Structure

COURSE CODE	COURSES TITLE	CREDITS
<b>CORE ENERGY COURSES</b>		
RNEM6010	Energy Economics	3
RNEM6025	Shaping Sustainable Energy Systems	3
RNEM6045	Wind Energy I	3
RNEM6050	Bioenergy I	3
RNEM6055	Solar Energy Conversion	3
RNEM6020	Energy Use and Energy Auditing	3
RENT6008	Electrical Integration of Renewables	3
RENT6009	Hydro and Marine Power	3
MDPH6330	Seminar Series	2
<b>CORE MANAGEMENT COURSE</b>		
SBSC6000	Principles and Practices of Project Management	
<b>ELECTIVES</b>		
RENT6010	Geothermal Energy	3
RENT6011	Energy Storage	3
RENT6014	Bioenergy II	3
RENT6013	Wind Energy II	3
RENT6012	Advanced Solar Energy	3
<b>RESEARCH PROJECT</b>		
PHYSXXX	Research Project	9

## Schedule

Courses will be offered on Evenings and Weekends:  
Mondays – Thursdays | 6:00 pm – 9:00 pm  
Sundays | 1:00 pm – 5:00 pm

## Contact Information

The University of the West Indies  
Mona, Kingston 7, Jamaica, West Indies  
Faculty of Science and Technology  
Department of Physics

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