



**THE UNIVERSITY
OF THE
WEST INDIES**

**Masters Programme
Faculty of Science & Technology**



*Department of Computer Science,
Mathematics and Physics*

MSc. Renewable Energy Management

Improved technical expertise in the implementation of renewable energy technologies to make the essential transition to utilizing indigenous and often plentiful renewable energy resources.

2015-2016

This programme responds to current regional and global imperatives with respect to the rising price of fossil fuels and the cost to the environment of their use. The energy sector is a 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. Improved technical expertise in the implementation of renewable energy technologies into the existing energy framework is required in order to make the essential transition to utilizing indigenous and often plentiful renewable energy resources.

Objectives

The emphasis in this Masters programme is on providing new graduates, and persons already working in various sectors of the economy, with professional education in sustainable energy related disciplines. The programme will provide basic expertise in these areas, furnishing graduates with the ability to begin or continue a career in the field of sustainable energy use.

Entry Requirements

To qualify for entry candidates should normally possess a Bachelor's degree from a recognized University with:

1. at least Second Class Honours or equivalent in Economics, Engineering, Management or natural sciences; or
2. at least Second Class Honours or equivalent in any discipline plus relevant working experience in a related field, or significant work experience in a management environment

It is expected that the majority of entrants to the course will be from the following sectors:

- Recent graduates seeking to upgrade their qualifications for work in an energy-related field
- Workers in any field seeking to retool or upgrade their skills and qualifications
- Managers in any field seeking to implement aspects of renewable energy in their environment

Duration

Full-time students are expected to complete the programme requirements in 15 months and part-time students in 27 months.

Programme Structure / Course of Study

Students are required to gain 45 credits through successful completion of 12 courses - 8 compulsory and 4 elective – and a Research Project. Preliminary material on the subjects of Energy Basics, Management Basics, and Valuing the Environment will be made available prior to the commencement of the programme to ensure that students have the desired background knowledge.

Cost (Self-financed programme)

Programme fee	BDS \$ 30,000	(US \$ 15,000)
<i>Plus</i> ID Card Fee	BDS \$ 30.00	(US \$ 15.00)
<i>Plus</i> UWI Registration fees – currently	BDS \$ 510.00	(US \$ 255.00)

Fees quoted are for the 2014-2015 academic year and are subject to change in 2015-2016.

LIST OF COURSES

All courses worth 3 credits unless otherwise stated

Compulsory

- Energy Sources and Clean-Energy Systems
- Energy Economics
- OESH & Public Policy for RE
- Essentials of Management for Project Managers
- Quantitative Methods for Management
- Energy Use and Energy Auditing
- Social and Environmental Impact Assessment
- Shaping Sustainable Energy Systems
- Research project (9 credits)

Select 4 electives from:

- Wind energy
- Bioenergy
- Solar energy
- Applied informatics in energy planning
- Sustainable Energy Innovation, Implementation and Entrepreneurship
- Accounting for Managerial Decision-making
- Leadership and Organisational Behaviour
- Information management for Projects
- Physics for Renewable Energy (PRE)

CONTACT INFORMATION FOR

MSc. Renewable Energy Management

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HIGHER DEGREE PROGRAMMES

FACULTY OF HUMANITIES & EDUCATION

MA Caribbean Studies :
Languages / Literatures

MA Creative Arts

Dip / MA Cultural Studies

MA History

MA Heritage Studies

MA Linguistics

MA Theology

Diploma in Education (*Secondary*)

Master in Education (MEd)

specialisations (Curriculum Studies; Educational Leadership; Inclusive Practices for Special Needs Students; Language & Literacy Education; School Counselling; Science and Technology Education; Social Context and Education Policy; Testing, Measurement and Evaluation; and The Psychology of Education)

FACULTY OF LAW

LLM / Dip Corporate
& Commercial Law

LLM / Dip Legislative
Drafting

LLM / Dip Public Law

LLM / Dip Intellectual
Property Law **New**

LLM / Dip General **New**

FACULTY OF MEDICAL SCIENCES

DM Anaesthesia and
Intensive Care

DM Emergency Medicine

Diploma, MSc., DM
Family Medicine

DM General Surgery (*Parts I and II*)

DM Internal Medicine

DM Obstetrics and Gynaecology

DM Ophthalmology

DM Orthopedics

DM Paediatrics

DM Psychiatry

Master in Public Health

FACULTY OF SCIENCE & TECHNOLOGY

Dip / MSc. Computing Innovation

MSc. Computing Research

MSc. Natural Resource and
Environmental Management

Dip / MSc. Technology
Entrepreneurship

MSc. Telecommunications **New**

MSc. Renewable Energy
Management

FACULTY OF SOCIAL SCIENCES

Master of Social Work

MSc. Applied Psychology

MSc. Banking & Finance

MSc. Building & Construction
Management

MSc. Counselling Psychology

MSc. E-Governance for
Developing States

MSc. Financial & Business
Economics

MSc. Financial Management **New**

MSc. Human Resources
Management **New**

MSc. Integration Studies

MSc. International Management

MSc. International Trade Policy

MSc. Investments & Wealth
Management

MSc. Labour & Employment
Relations

MSc. Logistics and Supply
Chain Management

MSc. Marketing **New**

MSc. Project Management
& Evaluation

MSc. Sociology

MSc. / Dip. Sport Sciences

MSc. Tourism & Events
Management

MSc. Tourism & Hospitality
Management

MSc. Tourism & Sport
Management

MSc. Tourism with Project
Management

MSc. Tourism Marketing

MSc. Transport Economics

CAVE HILL SCHOOL OF BUSINESS

Doctor of Business
Administration

Executive Master in
Business Administration (*offered
in three specialisations: – General
Management, Public Sector Management
and Human Resource Management*)

Masters in Business Administration
(Entrepreneurship)

International Master in
Business Administration

Masters in Entrepreneurship
and Innovation **New**



UWI also offers a range of MPhil and PhD programmes in a number of areas. Information on these as well as our application process, online application forms, and the documentation required can be found at:

www.cavehill.uwi.edu/gradstudies