



**THE UNIVERSITY
OF THE
WEST INDIES**

**Masters Programme
Faculty of Science & Technology**



*Department of Computer Science,
Mathematics and Physics*

MSc. / Postgraduate Diploma Technology Entrepreneurship

*These programmes fuse the areas of application
development, ebusiness and technology entrepreneurship
to meet the emerging needs of the Caribbean region.*

2015-2016

MSc. / POSTGRADUATE DIPLOMA TECHNOLOGY ENTREPRENEURSHIP

The Post-Graduate Diploma and MSc. Technology Entrepreneurship programmes are novel degrees for the region and aim to train entrepreneurs in the creation of high-technology products and methods of taking these products to market. These programmes fuse the areas of application development, ebusiness and technology entrepreneurship in a new and creative way poised to meet the emerging needs of the Caribbean region.

Aims

1. Position regional businesses for growth in the global marketplace through targeted training;
2. Enable businesses and entrepreneurs to leverage ICT to increase productivity and cut costs;
3. Develop a new breed of technology entrepreneurs capable of creating high technology products for the local, regional and global marketplace;
4. Create mobile applications for local, regional and international consumption;
5. Create a community of game developers capable of producing novel, high quality games for the local, regional and global marketplaces.

Objectives

1. Discuss the constraints involved in the development of high-technology products in developing states and to formulate creative workarounds;
2. Explain the legal, regulatory, ethical and social frameworks required to launch and sustain local, regional and global initiatives;
3. Find solutions to common problems using new and existing technologies;
4. Analyze and evaluate current business processes with the view of process re-engineering for improved efficiency and productivity;
5. Plan and market these products and services;
6. Create an enabling environment for the development of businesses with a global reach; and,
7. Create new products and services.

Entry Requirements

The entry requirement for the Post-Graduate Diploma and MSc. Technology Entrepreneurship programmes is at least a second class honours Bachelor's degree or equivalent. Candidates with a Pass degree and significant industry experience will be considered on a case-by-case basis. Applicants to these programmes should ensure that they have the necessary pre-requisites for the courses they intend to read.

Duration

Candidates in the Post-Graduate Diploma Technology Entrepreneurship are expected to complete the programme requirements in 8 months.

Candidates in the MSc. Technology Entrepreneurship are expected to complete the programme requirements in 18 months (full-time) or 36 months (part-time).

Programme Structure / Course of Study

To be awarded the Post-Graduate Diploma Technology Entrepreneurship the student must complete 20 credits of coursework and a 4 credit Mini Capstone project. All courses are compulsory.

To be awarded the MSc. Technology Entrepreneurship the student must complete 36 credits of coursework and an 8 credit Capstone project. All students must also complete the not for credit "Technology Entrepreneurship and "New Venture Management" workshops.

Transition

Students who are pursuing the Post-Graduate Diploma Technology Entrepreneurship degree may choose to transition to the MSc. Technology Entrepreneurship degree at any time prior to the start of the Mini Capstone Project provided that they receive the necessary permissions to do so from the Campus Committee.

In addition, students who may have been pursuing, but did not complete, the MSc. Technology Entrepreneurship programme may only be awarded the Post-Graduate Diploma Technology Entrepreneurship if they have satisfied all of the requirements of that programme (including the Mini Capstone Project).

Cost (Self-financed programme)

MSc.

Programme fee BDS \$ 30,000
(US \$ 15,000)

Plus ID Card Fee BDS \$ 30.00
(US \$ 15.00)

Plus UWI Registration fees –
currently BDS \$510.00
per semester (US \$255.00)

Postgraduate Diploma

Programme fee BDS \$ 18,000
(US \$ 9,000)

Plus ID Card Fee BDS \$ 30.00
(US \$ 15.00)

Plus UWI Registration fees –
currently BDS \$510.00
per semester (US \$255.00)

List of Courses

Post-Graduate Diploma Technology Entrepreneurship

Compulsory for All students

- Starting an e-Business Workshop
- An Introduction to Technology Entrepreneurship
- New Product Development and Intellectual Property Protection
- Business Opportunity Development
- Business Leadership for Technology Entrepreneurs

- Technology Entrepreneurship and New Venture Management Workshop
- Information Technology Project Management
- Mini Capstone Project

MSc. Technology Entrepreneurship Compulsory for All students

- An Introduction to Technology Entrepreneurship
- New Product Development and Intellectual Property Protection
- Business Opportunity Development
- Business Leadership for Technology Entrepreneurs
- Technology Entrepreneurship and New Venture Management Workshop
- Information Technology Project Management
- Capstone Project

MSc. Technology Entrepreneurship

- An introduction to e-Business
- Android Development Environment
- Starting an e-Business Workshop
- iOS Development Environment
- Web Technologies
- Computer Modelling and Animation Workshop
- e-Marketing
- Foundations of e-Business
- Interaction Design
- System Quality Assurance
- Computer Graphics
- Advanced Software Engineering
- Game Development Essentials
- Digital Storytelling Workshop
- Information and Knowledge Management
- Information Security, Ethics and Legal Aspects
- Capacity Planning for Networked Applications
- Mobile Communications and Security
- Data Mining on Mobile Devices
- Mobile Web Application Development
- Mobile Game Development
- Game Physics and AI
- Advanced Web Technologies.

CONTACT INFORMATION FOR

MSc. / Postgraduate Diploma Technology Entrepreneurship

Programme Coordinator

Paul Walcott, PhD

E-mail: paul.walcott@cavehill.uwi.edu

Tel: (246) 417-4372

Fax: (246) 438-9198

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