



**THE UNIVERSITY
OF THE
WEST INDIES**

**Masters Programme
Faculty of Science & Technology**



*Department of Computer Science,
Mathematics and Physics*

MSc. Computing Research

Students may pursue research in a wide number of areas including: e-business, e-commerce, mobile application development, gaming, technology entrepreneurship, user interface design, software engineering or a related area.

2015-2016

MSc. COMPUTING RESEARCH

The MSc. Computing Research programme is a new specially crafted research degree comprising a customisable taught component followed by a research paper. This programme begins by providing students with a solid foundation in their research area through the taught component of the programme. Students can customise their foundation by pursuing courses in e-business, mobile applications, gaming, technology entrepreneurship or any combination of these areas. Students may pursue research in a wide number of areas including: e-business, e-commerce, mobile application development, gaming, technology entrepreneurship, user interface design, software engineering or a related area.

The programme aims to:

1. Position regional businesses for growth in the global marketplace through targeted research and development;
2. Enable businesses and entrepreneurs to leverage ICT to increase productivity and cut costs;
3. Develop a cadre of technology entrepreneurs capable of creating high technology products for the local, regional and global marketplace.

Objectives

The objectives of this programme are:

1. To discuss the constraints involved in the development of high-technology products in developing states and to formulate creative workarounds;
2. To explain the legal, regulatory, ethical and social frameworks required to launch and sustain local, regional and global initiatives;
3. To find solutions to common problems using new and existing technologies;
4. To analyze and evaluate current business processes with the view of process re-engineering for improved efficiency and productivity;
5. To plan and market these products and services;
6. To create an enabling environment for the development of businesses with a global reach;
7. To create a research community that exploits and evolves current technologies;
8. To create new products and services, and
9. To create and disseminate research results to the wider research community.

Entry Requirements

The entry requirement for the MSc. Computing Research programme is at least a second class honours Bachelor's degree or equivalent in Computer Science / Information Technology or related discipline.

Candidates with a Pass degree and significant industry experience will be considered on a case-by-case basis. In addition, applicants applying for the programme should ensure that they have the necessary prerequisites for the courses they intend to read.

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

Duration

Candidates are expected to complete the programme requirements in 24 months (full time) or 48 months (part-time).

Programme Structure / Course of Study

Students have to gain 44 credits through successful completion of the “Kick-starting your Research Workshop,” 24 credits of electives and a 20 credit Research Paper.

Cost (Self-financed programme)

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

List of Courses

All courses worth 4 credits unless otherwise stated

Compulsory

- Kick-starting your Research Workshop (0 credits)
- Research Paper (20 credits)

Select 24 credits of electives from

- An introduction to e-Business
- Android Development Environment (6 credits)
- Starting an e-Business Workshop (0 credits)
- iOS Development Environment (6 credits)
- Web Technologies
- Computer Modelling and Animation Workshop (0 credits)
- An Introduction to Technology Entrepreneurship
- New Product Development and Intellectual Property Protection
- e-Marketing (2 credits)
- Foundations of e-Business
- Interaction Design
- System Quality Assurance
- Computer Graphics

- Advanced Software Engineering
- Game Development Essentials
- Digital Storytelling Workshop (0 credits)
- Business Opportunity Development
- Business Leadership for Technology Entrepreneurs
- Information and Knowledge Management
- Information Security, Ethics and Legal Aspects
- Capacity Planning for Networked Applications (2 credits)
- Mobile Communications and Security
- Data Mining on Mobile Devices
- Mobile Web Application Development (2 credits)
- Mobile Game Development
- Game Physics and AI
- Technology Entrepreneurship and New Venture Management Workshop (0 credits)
- Information Technology Project Management
- Advanced Web Technologies

CONTACT INFORMATION FOR

MSc. Computing Research

Programme Coordinator

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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