FACULTY OF SCIENCE AND TECHNOLOGY
Department of Computing

MSc. in Computer Science

Programme Overview

The current MSc. programme in Computer Science was revised to support the strategic plan of The UWI in terms of strengthening postgraduate programmes. The revised M.Sc. uses the existing courses and adds a number of new courses. The aims and objectives of this revised programme are to:

- Expose candidates to cutting edge developments in computing technology and contemporary computing research.

- Meet industry research and development needs, as well as the needs of candidates seeking to pursue further academic research.

- Provide a programme that meets local and regional needs, while meeting or surpassing the standards of top international programmes.

- Offer a programme that will attract increased interest, by introducing specializations and courses that address current and future needs of the industry.

- Establish a framework and programme structure that will flexibly facilitate evolution of the programme without compromising any of the programme objectives.

- Strengthen the core of the programme by defining a core that can support a broad set of specializations in Computer Science.

- Introduce a framework that allows candidates who have completed their degrees at various times in the past, who may not have completed the current requirements of an undergraduate degree in Computer Science, to be brought to the same level of competence before pursuing advanced courses in Computer Science.

Entry Requirements

- Applicants must possess a first degree with a major in a recognised Computing discipline from a recognised university.

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

The programme has a duration of 24 months (part-time) inclusive of time needed for completion of the major Research Project

Programme Structure

COURSE CODE	COURSE TITLES	CREDITS
Core Courses and Research Project Course		
COMP6105	Object-Oriented Design	4
COMP6430	Topics in Advanced Algorithms	4
COMP6001	Research Methods and Technical Writing	4
COMP6810	Research Project	8
Computer Security		
COMP6300	Topics in Computer Security	4
COMP6730	Cryptography	4
COMP6330	Security and Online Social Networks	4
Software Engineering		
COMP6410	Formal Methods of Software Design	4
SWEN6110	Advanced Software Engineering	4
SWEN6310	Model-Driven Engineering	4
Analytics and and Knowledge Systems		
COMP6720	Advanced Database Systems	4
COMP6110	Knowledge Discovery and Data Analytics 1	4
COMP6420	Knowledge Discovery and Data Analytics 2	4
Networks and Distributed Systems		
COMP6770	Advanced Computer Networks	4
COMP6771	Wireless Networks	4
COMP6420	Parallel Computing	4
COMP6550	Web-Design and Programming	4
COMP6620	Computer Vision	4

Schedule

Classes are held Monday to Thursday, 5:30 pm. to 9:30 pm.

Contact Information

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