

# MSc Computing

Computing-related technology, such as new mobile devices and applications are changing the way we communicate, do business and access news and entertainment. The MSc in Computing offers opportunities, to achieve professional certifications through specific modules: The Cisco CCNA1 exam can be taken after attending the Network Communications & Routing module and the Associate Android Developer exam after attending the Mobile Application Development module.

#### SPECIALISATIONS:

- > **IT Security & Networking**
- > **Mobile & Web Development**
- > **IT Management in Business**

The MSc in Computing provides students with an opportunity to develop generic computing skills that can be applied in all walks of life as well as the skills and understanding needed to develop software systems.

Students will develop transferable skills in the evaluation of ideas and concepts, effective communication, synthesis of ideas and become reflective practitioners. The aims of the course are to provide an opportunity for the students to plan, undertake and evaluate a substantial computing Project; to develop the students' critical evaluation, communication and self-management skills to a level appropriate for post-graduate students; and to encourage and enable the students to become reflective and research-aware practitioners.

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MODULES	SEMESTER	ECTS
<b>COMPULSORY</b>		
Masters Project	2 (& 3)	20
Critical Analysis	1	10
IT Project Management	2	10
<b>OPTIONAL</b>		
Web Application Development	1	10
Mobile Application Development	2	10
Network Communication & Routing	2	10
Digital Security	1	10
Network Operations & Management	1	10
Ethical Hacking	2	10
ERP Systems	1	10
e-Marketing	1	10
Enterprise Data Management	1	10
Advanced Topics in IT Security	1	10
Wireless Networks & Communications	1	10
Distributed Systems	2	10
Advanced Topics in User Experience	1	10
UX Away from the Desktop	2	10
Agile Systems Development	2	10
Information Security Management	2	10
Exploratory Data Analysis	2	10
Leadership and Management	2	10
Entrepreneurship Theory and Practice	2	10

## CAREER OPTIONS

This course, building on the intellectual skills of a computing or technology related degree, enhances students' employment prospects in the IT field, and further develops the skills they obtained in their Undergraduate degree. The skills acquired can lead to a range of careers in computing specialisations that are in high demand (even outside the technology sector), such as networks and IT security or web and mobile application development.

## ENTRY REQUIREMENTS

> Bachelor's degree or equivalent in a computing or closely-related discipline (Lower Second Class).

> IELTS score of 6.5 or equivalent.

