

## BSc (Hons) Computer Science

Computer science encompasses both theoretical and practical disciplines. The theoretical aspects involve computation theory, formal system specifications, algorithm complexity and programming language principles. Practically, it includes software design and implementation across different layers, which are subdivided into the systems layer (operating systems, networks, middleware, and support for concurrent and distributed processing) and the application layer (software development tools and actual software development across various fields).



### CONTACT US



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**FACULTY OF  
INFORMATION,  
COMMUNICATION AND  
DIGITAL TECHNOLOGIES**

**DEPARTMENT OF  
INFORMATION AND  
COMMUNICATION  
TECHNOLOGIES**

Empowering Digital  
Graduates



## Our Vision

We empower graduates to lead in a constantly evolving digital world through input from ICT Industry.

## Career prospects

Generative AI tools like ChatGPT, are expected to take over many of existing jobs. Having a strong mastery of both fundamental and practical aspect of computing, will guarantee job security over the years. Our program offers numerous career options, such as, Full-stack Developer, System Administrator, Systems Analyst, Information Security Consultant, Network Engineer, Software Engineer, Cloud Specialist, API Technical Expert and Technopreneur.



## Program Summary

- **Entry Requirements:** At least 2 GCE A Level passes, including (i) Maths AND (ii) Computing or a Science Subject.
- **Program:** Computer Programming, Computer Architecture, Artificial Intelligence, Core Computing studies with AI, Operating Systems, Software Engineering, Algorithms, Database Design, Web and Mobile, Computer Security, Projects, Research Seminars, Internship, Computer Vision, IoT, Computer Networks and System Administration.
- **Duration:** 3 Years (Max 5 years)



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Admission Guide:



Online Application Form:



<https://apply.uom.ac.mu/application/Login.asp>