

ICT DEPARTMENT

The department of ICT aims at providing an innovative and creative future for its graduates and postgraduates to serve the growing needs in ICT towards the transformation of society. The programmes on offer will help open the doors for students who want to build a successful career as ICT professionals. Additionally the department continues to support the university's effort to identify itself as an institution that fosters excellence in teaching, research and consultancy.

CONTACT US

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<https://www.uom.ac.mu/foicdt/index.php/information-and-communication-technologies-department>

For more information about the courses offered, please go to:
<https://uom.ac.mu/FOICDT/index.php/programmes/undergraduate>



BSc (Hons) Computer Science



University of Mauritius
**Faculty of Information, Communication
and Digital Technologies**

**Department of Information of
Information and Communication
Technologies (ICT)**

BSC (HONS) COMPUTER SCIENCE

Computer science graduates are those who apply their software and hardware knowledge to conceive, design, develop and propose solutions that serve the community.

One of the most important tenets of this Computer Science programme is problem-solving skills which is an essential skill for life. Furthermore, students are also exposed to the analysis, design and development of computer systems by adopting a professional and ethical code of conduct.

In addition to its suitability in a variety of business, scientific and social contexts, this BSc (Hons) Computer Science programme offers a wide range of specializations that opens the door to numerous career options. Graduates can continue their specialization at postgraduate levels (Masters and Doctoral) in specific branches of the field.

This programme includes 10-weeks placement in the industry.

PROGRAMME SUMMARY

Duration: 3 Years (5 Years Maximum)

Entry Requirements: At least 2 GCE A Level passes including (i) Mathematics AND (ii) Computing or a Science Subject

Some Core Modules:

Computer Programming, Computer Organisation and Architecture, Computational Mathematics, Software Engineering Principles, Database Systems, Web and Mobile Application Development, Operating Systems, Object-Oriented Paradigms, Artificial Intelligence: Principles and Techniques, Computer Security, Computer Networks and System Administration.

Career prospects: Network Engineer/Administrator, Systems Analyst, Computers and Information technology Expert, IT/Project manager, Software Quality Assurance Specialist, Software Engineer, Platform Developer, Full-stack Developer, Technopreneur and Educators.

