

# B.Sc. (Hons) Computing (Multimedia)

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The B.Sc. (Hons) Computing (Multimedia) is a three-year full-time programme. The programme is designed to produce graduates qualified to meet the increasing demands of users for visually appealing applications. It gives you a broad view of expertise in current practices and an overview of future trends in multimedia, together with the necessary skills to support the development of such systems.

## Admission Requirements

The qualifications required for admission are 2 Passes at GCE (Advanced Level) Examination and 5 Passes inclusive of 2 Credit Passes for English and Mathematics at GCE (Ordinary Level) Examination, **or** successful completion of the APIIT Foundation Programme. Those with additional qualifications may receive advanced entry to higher levels of the programme. (Please contact Student Admissions Office for details.)

## Programme Structure

A diverse range of teaching strategies including case studies, video presentations and project work is employed to achieve the learning objectives. These are intended to develop students' knowledge and skills and their ability to identify and solve real world problems. Students are also trained to work efficiently in a group or independently in a disciplined and structured environment. Greater emphasis is placed on the engineering principles, design skills, formal methodologies and good management practices required for the development of quality software systems.

Students are required to undertake a multimedia project as part of the training. This project requires students to conduct research into theories and methodologies which form the basis of their efforts in designing and developing an interactive multimedia application.

### Level 1 (Diploma)

The Level 1 (Diploma) is a one-year full-time programme. Level 1 comprises the following modules:

- Multimedia Applications
- Computer Systems Architecture
- Systems Analysis & Design
- Software Development Project
- Numerical Methods & Logic
- Operating Systems
- Databases and Data Structures
- Java Programming
- Visual Basic .NET
- Telecommunications
- Problem Solving & Program Design Using C
- Networks and Networking

### Level 2

The Level 2 is a one-year full-time programme. Level 2 comprises the following modules:

- Professional and Enterprise Development
- Database and Web Database Systems
- Web Multimedia
- Mathematics and Algorithmics
- Human Computer Interaction and Usability
- Principles and Practices of Software Production
- Web Applications
- Multimedia Applications

### Level 3 (Degree)

The Level 3 is a nine-month full-time programme. Level 3 comprises the following modules:

- Advanced Multimedia
- Advanced Web Multimedia
- Mobile Web and Multimedia
- Project Management
- Ubiquitous Computing
- Multimedia Project

## Career Opportunities

Graduates can embark on career in software engineering and information systems development in the context of interactive multimedia applications development.



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