



AMITY
INSTITUTE OF HIGHER EDUCATION
— MAURITIUS —



TRANSFORM DATA INTO DIGITAL SOLUTIONS WITH A

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (HONS)

Programme Awarded & Delivered by:
Amity Institute of Higher Education (AIHE)

Duration: 3 Years
Delivery Mode: Face-to-Face and Blended Teaching

Registered with the Higher Education Commission (HEC)



Call or whatsapp on +230 52552500



admissions@mauritius.amity.edu



www.amity.edu/mauritius



PROGRAMME OVERVIEW

Build the technology that shapes tomorrow

The Bachelor of Science in Information Technology (Hons) is a three-year, practice-oriented undergraduate programme designed to prepare graduates for professional roles in the IT industry. The programme integrates IT theory with structured, hands-on practical training, delivering the technical skills, problem-solving ability, and analytical competencies needed to excel in technology-driven careers.

AIMS & OBJECTIVES

- **Foundational Knowledge:** Develop strong theoretical and practical understanding of core IT concepts
- **Application Development:** Gain expertise in mobile and web application design, development, and maintenance
- **Innovative Technologies:** Learn principles and applications of Artificial Intelligence, Embedded Systems, and Internet of Things
- **Analytical Skills:** Build capability in Geographic Information Systems, Data Warehousing, Data Mining, and business analytics
- **Professional Practice:** Strengthen problem-solving, communication, and ethical practices for the IT industry

PROGRAMME STRUCTURE

SEMESTER 1

- Computer Technology
- Programming and Algorithms
- Information Systems in Organisations
- Database Systems
- Employability Skills – 1

SEMESTER 2:

- Object Oriented Programming
- Computer Graphics and Multimedia
- Computer Communications and Networking
- Advanced Database Systems
- Python Programming

SEMESTER 3:

- Research Methodology
- Software Engineering
- JAVA Programming
- Artificial Intelligence – 1
- Employability Skills – 2

SEMESTER 4:

- Project Management
- C# and .Net Programming
- Cloud Computing
- Artificial Intelligence – 2
- Mobile Application Development
- Internship (6 weeks)

SEMESTER 5:

- Geographic Information Systems
- Interface Design and Web Development
- Embedded Systems and Internet of Things
- Distributed Systems and Systems Integration
- System Development Project (Phase 1)

SEMESTER 6:

- Elective
- Data Warehousing and Data Mining
- Governance, Risks & Compliance
- System Development Project (Phase 2)

CAREER PATHWAYS

Prepare for high-growth positions in the IT industry, including:

- Software / Application Developer
- AI / Machine Learning Engineer
- IoT / Embedded Systems Specialist
- Data Analyst / Business Intelligence Analyst
- GIS Analyst / Environmental Data Specialist
- IT Project Coordinator / Technical Consultant

ENTRY CRITERIA

Local Students / Residents:

- Either Pass in Two (2) subjects at A-level and two (2) subjects at Advanced Subsidiary / Subsidiary level at the Higher School Certificate (HSC) Examination
- OR Pass in Three (3) subjects at A-level and one (1) subject at Advanced Subsidiary / Subsidiary level at the Higher School Certificate (HSC) Examination
- OR Pass in 3 subjects at A-level at the London General Certificate Examination
- OR Pass in the IGCSE and the International Baccalaureate (IB)
- OR Pass in qualifications awarded by other Universities and Institutions, which have been approved by the Senate of AIHE, as satisfying the minimum requirements for admission
- OR - Special Admission and Mature Applicants: An applicant of minimum 23 years old, may be admitted with a pass at School certificate and with minimum of 3 years' experience in a related field for any undergraduate or honors programme

UNICITI Education Hub Pierrefonds-72448, Quatre Bornes, Mauritius



amity-institute-of-higher-education-mauritius



amity_mauritius/?hl=en



aihemaauritius/



Call or whatsapp on +230 52552500



admissions@mauritius.amity.edu



www.amity.edu/mauritius