

THE INSTITUTE OF FINANCE MANAGEMENT (IFM)

PROGRAMMES OFFERED BY FACULTY OF COMPUTING, INFORMATION SYSTEMS AND MATHEMATICS (FCIM)

Bachelor of Science in Information Technology (BSc. IT)

This qualification is designed for a person who will independently study, apply, plan, innovate and manage Information and Communication Technology solutions for better performance in the dynamic business environments. The programme has been developed towards producing responsible, creative graduates with skills necessary to deal with professional Computing and Information Technology aspects in an organization.

Programme Objective

The graduates of this programme will be competent and able to;

- (i) Analyse, evaluate and interpret business and industry challenges.
- (ii) Provide sound IT based solutions.
- (iii) Implement, maintain computer based information systems.
- (iv) Develop and enforce policies pertaining to Information Technology in relation to a particular organisation.

Carrier Opportunities

The programme opens up opportunities in several areas of information technology. A graduate of this programme can work as an information systems manager, systems administrator, IT project manager and systems analyst.

Programme Duration

The programme runs for three (3) years.

Entry Requirement and Eligibility

Direct Entry: Any two principal passes in science subjects. Those without a principal pass or subsidiary pass in Mathematics must have a credit at O' Level.

Equivalent qualification: Diploma in Information Technology or Computer Engineering or Computer Science with at least average of "B" or GPA of 3.0, and at least Four Passes (Excluding Religious Subjects) at O' Level.

Application Fee

Applicants have to pay a non-refundable application fee of TZS 10,000/=. For other fees (registration, allowance, field attachment, caution money etc); please contact the admissions office or visit the IFM website.

Tuition Fee Structure

- i) For Tanzanians is Tshs. 1,700,000 payable in two installments.
- ii) For Foreign Students is US \$ 2,000 payable in two installments.

Mode of Application

1. Applications are done online through <http://www.ifmsis.ac.tz/oas/>

Curriculum Structure

| Subject Code | Subject Name |
|--|---|
| YEAR I Semester I | |
| CSU07101 | Programming in C I |
| ITU07102 | Fundamentals of Computers |
| GSU07101 | Communication Skills |
| MTU07104 | Mathematics I |
| GSU07102 | Development Studies |
| ITU07101 | System Analysis and Design I |
| Semester II | |
| CSU07202 | Programming in C II |
| ITU07203 | System Analysis and Design II |
| CSU07203 | Fundamentals of Databases |
| ITU07204 | Fundamentals of Web Technologies |
| CSU07204 | Fundamentals of Data Communication |
| CSU07205 | Operating Systems I |
| ITU07205 | Field Practical Training Report I |
| YEAR II Semester III | |
| CSU07306 | Database Management Systems |
| CSU07307 | Internet and Web Development Technologies |
| ITU07306 | Management Information Systems |
| CSU07308 | Operating Systems II |
| ITU07307 | Multimedia Systems |
| ITU07205 | Field Practical Training Report I |
| CSU07310 | Visual Programming (Elective) |
| GSU07303 | Information Technology Law (Elective) |
| Semester IV | |
| CSU07411 | Object Oriented Programming |
| CSU07412 | Computer Networks |
| ITU07408 | Electronic Commerce |
| CSU07413 | Software Engineering |
| ITU07409 | Human Computer Interface |
| ITU07410 | Field Practical Training Report II |
| ITU07411 | Computer Systems Security (Elective) |
| MTU07406 | Discrete Mathematics (Elective) |
| YEAR III Semester V | |
| STREAM: INFORMATION SYSTEMS DEVELOPMENT | |
| CSU08101 | Computer systems Management I |
| ITU08101 | IS Strategy Formulation |
| ITU08102 | IS Research methods |
| ITU08103 | E-Government |
| ITU08104 | Supply Chain Management Systems |
| ITU08105 | Customer Relationship Management (Elective) |
| CSU08107 | Web Database Applications (Elective) |
| STREAM: SYSTEMS ADMINISTRATION | |
| CSU08101 | Computer Systems Management I |
| CSU08102 | Advanced Networking I |

| Subject Code | Subject Name |
|--|---|
| ITU08102 | IS Research methods |
| CSU08103 | Wireless Technologies |
| ITU08104 | Supply Chain Management Systems |
| ITU08103 | E-Government (Elective) |
| ITU08105 | Customer Relationship Management (Elective) |
| Semester VI | |
| STREAM: INFORMATION SYSTEMS DEVELOPMENT | |
| CSU08211 | Computer systems Management II |
| ITU08206 | Final Year Project |
| ITU08207 | ICT Policy Formulation |
| ITU08208 | Management of Technology & Innovation |
| MSU08201 | ICT Entrepreneurship |
| CSU08212 | Social Networking Technologies (Elective) |
| CSU08209 | Network Security (Elective) |
| STREAM: SYSTEMS ADMINISTRATION | |
| CSU08211 | Computer systems Management II |
| CSU08208 | Advanced Networking II |
| CSU08209 | Network Security |
| ITU08206 | Final Year Project |
| MSU08201 | ICT Entrepreneurship |
| ITU08208 | Management of Technology & Innovation (Elective) |
| ITU08207 | ICT Policy Formulation (Elective) |

Industry Connections

At the end of year one and year two students undertake a field placement where they work in different organizations for eight weeks. Field placement provides students with the experience of seeking and securing a job, as well as practical experience and industry contacts that will benefit their academic study and longer-term career.

In the last semester during the third year students undertakes a project (ITU08206 Final Year Project) that simulates working in industry. In this project students apply skills in software application development. Many students tackle real-world problems for their projects, with the close involvement and supervision of lecturers and industry partners.

For More Information Contact:

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