Master of Science in Information Technology (MSIT)

The Master of Science in Information Technology (MSIT) degree program was established to develop in its students the effective use of information technology (IT), to solve problems, improve or reengineer process of organizations. It provides students with theoretical or practical knowledge on various aspects of information systems planning, systems implementation, system integration and project management. The students’ understanding of these, and their proficiency and style in written as well as oral communication, are primarily attested to by the successful completion and defense of a master’s thesis.

Objectives

The MSIT program aims to develop in its students:
- a working foundation of technologies needed in order to effectively use information technology for different types of applications;
- the basic skills in analysis and design of various information systems using structured analysis and design methodologies;
- the ability to implement IT solutions; and
- the skills necessary to manage system development projects.

Prospective students for this program are IT practitioners (e.g. programmers, system analysts, software engineers, etc.) in industry and/or government, academics, managers, administrators, and other IT professionals who are already familiar with information technology and are interested in enhancing and upgrading their knowledge in IT.

Curriculum

Foundation Courses (12 units)

CIS201M – Foundation Topics 1
CIS202M – Foundation Topics 2
CIS203M – Economics of Technology Management
CIS204M – IS Theory and Practice
Specialization Courses (18 units)

Introductory Courses for Specialization
Organizational Improvement and Change Management,
Methods of Research

Specialization Track: ICT for Development & E-Governance
Development Informatics, Development Economics & ICT Policies,
Introduction to E-Government, IT Ethics and Leadership

Specialization Track: Business Innovation & Organizational Productivity
Innovations and Technology Management, IT Ethics and Leadership,
Work Transformation and Organizational Productivity, Trends in ICT and
Business-Organizational Productivity

Thesis Requirement (6 units)
Total 36 units