



De La Salle University

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 (18 units)

- CIS551M — Information System Theory and Practice
- CIS552M — Computer Architecture and Operating Systems
- CIS555M — Networking and Data Communication
- CIS556M — Programming Languages and Data Structures
- CIS559M — Advanced Database Systems
- CIS801M — Methods of Research for IT

Elective Courses (12 units)

Knowledge Discovery and Databases, Intelligent Agents in E-Commerce, Principles in Information Systems Security, Strategic Planning in IT, Web Development, E-Commerce, E-learning and Related Technology, Risk Management, Business Intelligence, etc.

Thesis (6 units)

Total 36 units