

## Master in Information Technology

The Master in Information Technology (MIT) is a non-thesis terminal program directed at information technology (IT) educators who need to upgrade their knowledge and skills. It is a content course, as opposed to an education course. It provides educators with increased training in core computer concepts, theories, and technology.

Applicants without backgrounds in computer science, computer engineering, electronics, communication, and computer engineering, mathematics and related fields are required to take the following subjects:

PRE-REQUISITES		Units
CS 21A	Introduction to Computing I	3
CS 21B	Introduction to Computing II	3
AMC 124	Math for Computer Science	3
MA 20.2	Calculus for Computer Science	6
<b>TOTAL:</b>		<b>15</b>

Applicants may opt to take validation exams to gain exemption from the pre-requisites.

I. BRIDGING SUBJECTS		Units
CS 112	Structure of Programming Languages	3
CS 122	Database Systems	3
CS 123	Introduction to Software Engineering	3
CS 150	Computer Architecture	3
CS 154	Computer Networks and Data Communications	3
CS 161	Operating Systems	3
<b>TOTAL:</b>		<b>18</b>

II. CORE COURSES		Units
CS 232	Database Systems	3
CS 233	Advanced Systems Analysis and Design	3
CS 235	Technology and Project Management	3
CS 260	Computer Networks and Operating Systems	3
<b>TOTAL:</b>		<b>12</b>

Any six (6) courses/electives offered by the department or any accredited electives from a consortium school and is directed towards:

III. SPECIALIZATION COURSES		Units
<b>Systems Development</b>	E-commerce solutions, E-learning solutions, Multimedia solutions	
<b>Information Management</b>	Model, Design, Implement, Configure and Administer Database	
<b>TOTAL:</b>		<b>18</b>

\*Elective courses not included in the list and/or offered by other departments may be taken subject to the approval of the DISCS Graduate Program Director.

IV. CAPSTONE PROJECT		Units
CS 291	Independent Project I	3
CS 292	Independent Project II	3
<b>TOTAL:</b>		<b>6</b>

\* Note: Capstone project must be presented in a national or international public forum.

SUMMARY	
Bridging Subjects	18 units
Core Courses	12 units
Specialization Courses	18 units
Capstone Project	6 units

Total 54 units