

**Computer Studies Cluster
Ateneo de Davao University**

**Master of Science in Information Technology (MSIT)
(Revised Curriculum - SY 2014-2015)**

The Master of Science in Information Technology (MIT) Program is a thesis program designed for individuals who wish to undertake both intermediate and advanced levels of study of today's emerging technologies and its various applications in different industries. Recognizing that IT is an integrative discipline, core courses will be supplemented by suggested seminar courses to be able to cover a greater breadth of the IT body of knowledge.

Foundation Courses

Applicants whose backgrounds are not information technology, computer science, computer engineering, information systems and allied fields are required to take the following subjects

Course No.	Description	Unit	Pre-requisite
IT 100	Programming Fundamentals	3	
IT 210	Data Structures	3	

Applicants with industry-recognized (IT) certifications may be exempt from enrolling in the above foundation courses. Further, they may also choose to take a validation/challenge exam if they wish to be exempt.

Core Courses

Course No.	Description	Unit	Pre-requisite
First Year			
First Semester			
IT 230	Organization of Databases	3	
IT 200	Software Engineering (Principles of Data & Information Systems)	3	
IT 220	Computer Organization	3	
Second Semester			
IT 240	Programming Paradigms	3	
IT 400	Human Computer Interaction		
Summer			
IT 501	Independent Study I	3	
Second Year			
First Semester			
IT 444	Network Technologies (CCNA Exploration 2, 3 & 4)	3	
IT 250	Operating Systems and Information Security	3	
IT 440	Advanced Seminar I	3	
Second Semester			
IT 448	Web Systems & Technologies	3	IT 230
IT 442	Advanced Seminar II		
Summer			
IT 502	Independent Study II	3	IT 501

Seminar Courses (any two of the following):

1. Robotics
2. Project Management
3. Computer Vision
4. Multimedia Systems
5. Emerging Technologies

Summary:

Total Core Courses: 24
 Total Advanced Seminar Courses: 6
 Total Independent Study Units: 6