

Effectivity: SY 2010 – 2011	Document Code: QR – AAD - 002	Revision No.: 00	Issue No.: 01	Date Issued: 10 January 2010
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PROGRAM DESCRIPTION

The Master in Information Technology (MIT) is a non-thesis program designed to broaden and upgrade the knowledge and skills of IT practitioners. The program aims to equip the students with the concepts and technologies that will prepare and enable them for the industrial practice of systems integration, systems administration, systems planning, systems implementation and other design and operation of IT infrastructure.

The MIT curriculum is based from the Policies and Standards (PS) for the graduate program of the Information Technology Education issued by the Commission on Higher Education (CHED) and is benchmarked from the curriculum of leading international academic institutions offering this program.

PROGRAM OBJECTIVES

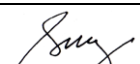
AMA's MIT program aims to produce globally competitive graduates who will be professionally competent, morally upright, and socially responsible contributors to national development.

Specifically, the program intends to produce graduates who are:

1. prepared to undertake advance research and development.
2. able to conduct systems analysis, perform system design and development and implement project management
3. able to provide appropriate IT solutions for organizations.
4. able to engage in continuing professional development.
5. able to engage in technopreneurship and practice professional ethics.

ADMISSION REQUIREMENTS

1. Applicants must have a Bachelor's degree in any ITE programs or in its allied discipline (Computer Engineering, Electronics & Communications Engineering or Electronics Engineering, Mathematics and other related fields) from an accredited higher education institution.
2. Applicants must demonstrate proficiency in at least one (1) high-level programming language.
3. Applicants must have a general knowledge in Information Technology equivalent to the following:
 - Computer Organization
 - Programming Languages
 - Network Design and Management
 - Database Management Systems
 - Applied Operating Systems
 - Software Engineering
4. If the applicant lacks any of the courses in item 3, he must enroll two (2) corresponding remedial course(s):
 - Computer System Organization, Architecture & Assembly Language Progg
 - Computer Progg 1 or 2 (C++ or Java) or Object-Oriented Programming
 - Data Communications and Networking 1
 - Database Management System 1
 - Principles of Operating Systems and its Applications
 - Introduction to Software Engineering
5. Applicants may opt to take validation exams to gain exemption from the remedial course(s).

Prepared by: GLEND A. BENDANILLO	Reviewed by: DANIEL M. VISTRO, Ph.D.	Approved by:  ALMA V. DELA CRUZ, Ph.D.
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CURRICULUM MASTER IN INFORMATION TECHNOLOGY (MIT)

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PROGRAM STRUCTURE

FIRST YEAR ATTENDANCE

First Trimester

COURSE CODE	COURSE TITLE	LEC UNIT(S)	LAB UNIT(S)	CREDIT UNITS	PRE-REQUISITES
MIT411	Advanced Operating Systems and Networking	2	1	3	
MIT412	Advanced Database Systems	2	1	3	
MIT511	Multimedia Technology	2	1	3	
MIT512	Information Security and Assurance	3	0	3	

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Second Trimester

COURSE CODE	COURSE TITLE	LEC UNIT(S)	LAB UNIT(S)	CREDIT UNITS	PRE-REQUISITES
MIT421	Advanced Systems Design and Implementation	2	1	3	MIT411, MIT412
MIT422	Technology and Project Management	3	0	3	MIT411, MIT412
MIT523	Advanced Computer Networks	2	1	3	MIT511, MIT512
MIT524	e-Business Systems Development	2	1	3	MIT511, MIT512

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Third Trimester

COURSE CODE	COURSE TITLE	LEC UNIT(S)	LAB UNIT(S)	CREDIT UNITS	PRE-REQUISITES
MIT535	Advanced Object-Oriented Programming	2	1	3	MIT523, MIT524
MIT536	Advanced Software Engineering	2	1	3	MIT523, MIT524
MIT601	MIT Capstone Project 1			3	MIT421, MIT422, MIT523, MIT524

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SECOND YEAR ATTENDANCE

First Trimester

COURSE CODE	COURSE TITLE	LEC UNIT(S)	LAB UNIT(S)	CREDIT UNITS	PRE-REQUISITES
MIT602	MIT Capstone Project 2			3	MIT601

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Total Academic Units

36

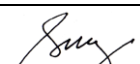
NOTE: After completing the required 36 credit units, all students must pass the comprehensive examination

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COMPARISON WITH CHED MINIMUM REQUIREMENT

CHED MINIMUM REQUIREMENT		AMACU COURSES		
CHED COURSE TITLE	CREDIT UNITS	COURSE CODE	AMACU COURSE TITLE	CREDIT UNITS
A. ITE Core Courses	12			12
Adv Operating System and Networking	3	MIT411	Adv. Operating Systems and Networking	3
Adv Database Systems	3	MIT412	Adv. Database Systems	3
Adv Systems Design and Implementation	3	MIT421	Adv Systems Design and Implementation	3
Technology and Project Management	3	MIT422	Technology and Project Management	3
B. IT Major Courses	18			18
Systems Development	9	MIT511	Multimedia Systems Development	3
		MIT524	e-Business Systems Development	3
		MIT535	Advanced Object-Oriented Programming	3
Information Management	9	MIT512	Information Security and Assurance	3
		MIT523	Advanced Computer Networks	3
		MIT536	Advanced Software Engineering	3
C. Capstone Project	6			6
		MIT601	IT Capstone Project 1	3
		MIT602	IT Capstone Project 2	3
TOTAL ACADEMIC UNITS:	36			36

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