

Masters Degree Course Checklist

Course Requirements

Background Courses ..... Up to 15 units

Core Courses ..... 12 units

Major (Specialization) Courses ..... 15 units

Elective Courses ..... 3 units

Capstone Project ..... 6 units

Background Courses (for non IT/CS/IS/IM graduates)

Course No.		Descriptive Title	Units
	IT 131 ICS 322	Computer Architecture	3
	IT 222 ICS 311	Operating Systems	3
	IT 315 ICS 321	Database Management Systems	3
	IT 325N IT 413	Software Engineering	3
	IT 112 IT 122 IS 112 IS 122 ICS 112 ICS 122	Introduction to Programming 1/Programming 2	3
	IT 322 ICS 322	Computer Networks and Data Communication	3

Core Courses

Course No.		Descriptive Title	Prerequisites	Units
	MIT 101	Computer Networks Administration and Network Security Management	IT 222 / ICS 311 (Operating Systems)	3
	MIT 102	Advanced Database Management Systems	IT 315 / ICS 321 (Database Management Systems)	3
	MIT 103	Advanced System Design and Modeling	IT 325N / IT 413 (Software Engineering)	3
	MIT 104	IT Project Management		3
Total Units Required				12

**Major (Specialization) Courses**

Course No.		Descriptive Title	Prerequisites	Units
	MIT 111	Interactive Multimedia		3
	MIT 112	Information Resource Management & Data Security		3
	MIT 113	Web Concepts and Technologies		3
	MIT 114	E-Commerce Systems		3
	MIT 115	Theory of Programing Languages	IT 112 / IT 122 / IS 112 IS 122 / ICS 112 / ICS 122 (Introduction to Programming 1 / Programming 2)	3
	MIT 116	Advanced Software Engineering	IT 325N / IT 413 (Software Engineering)	3
	MIT 117	Graph Theory		3
	MIT 118	High Performance Computing	IT 131 / ICS 222 (Computer Architecture)	3
	MIT 119	IT Problem and Change Management		3
	MIT 120	Distributed Systems	IT 222 / ICS 311 (Operating Systems)	
	MIT 121	Computer and Cyber Ethics		3
Total Units Required				15

**Elective Courses**

Course No.		Descriptive Title	Prerequisites	Units
	MIT 122	IT Special Topics		3
		Any major course from MIT or any courses from MISSME		3
Total Units Required				6

**Elective Courses**

Course No.		Descriptive Title	Prerequisites	Units
	MIT 299A	Capstone Project 1	Public Lecture	3
	MIT 299B	Capstone Project 2	MIT 299A (Capstone Project 1)	3
Total Units Required				6