

Master of Science Program in Information Technology

Research Focus

- Knowledge Representation and Reasoning
- Mobile Computing
- Business Intelligence for Enterprise System
- Technology for Community Development
- Geoinformatics and GIS

Structure of the Program

1. Credit Requirements *

Requirements	Option 1.2	Option 2.1
Coursework	24	30
- Core Courses	15	15
- Electives	9	15
Required Non-credit Courses	4	4
Thesis	12	-
Independent Study	-	6
Total	36	36

* Minimum credits required

Note: Option 2.1 runs for 3 semesters per academic year.

2. Core Courses

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Information Systems and Project Management	269511	3	269511	3
Information Technology Infrastructures	269514	3	269514	3
Advanced Database Systems	269516	3	269516	3
Information System Analysis and Design	269523	3	269523	3
Algorithms and Programming Principles	269541	3	269541	3
Total	5	15	5	15

3. Electives

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Information Technology Services in Organizations	269513	3	269513	3
Intelligent Information Systems	269515	3	269515	3
Global Information Technology	269517	3	269517	3
Electronic Commerce and Internet Marketing	269522	3	269522	3
Decision Support and Intelligent Systems	269524	3	269524	3
Knowledge Management Systems	269526	3	269526	3
Web Development and Technology	269527	3	269527	3
Quantitative Analysis for Decision Making	269531	3	269531	3
Distributed Systems and Applications	269542	3	269542	3
Knowledge Discovery and Data Mining	269543	3	269543	3
Principles of Software Engineering	269551	3	269551	3
Information Security Technologies	269552	3	269552	3
Mobile Technologies	269561	3	269561	3
Geo-informatics	269562	3	269562	3
Law and Ethics in Information Technology	269563	3	269563	3
Educational Technology	269564	3	269564	3
Special Topics in Information Technology	269518	3	269518	3
Research Topics in Information Technology	269519	3	269519	3
Total	≥3	≥9	≥5	≥15

4. Required Non-credit Courses

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Seminar in Information Technology	269593	1	269593	1
Research Methodology in Science and Technology	269594	3	269594	3
Total	2	4	2	4

5. Thesis/Independent Study Credit Requirements

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Thesis 1, Option 1.2	269597	3	-	-
Thesis 2, Option 1.2	269598	3	-	-
Thesis 3, Option 1.2	269599	6	-	-
Independent Study 1	-	-	269590	2
Independent Study 2	-	-	269591	2
Independent Study 3	-	-	269592	2
Total	3	12	3	6