

Master of Science Program in Geographic Information Science

Research Focus

- Map and Visualization
- Spatial Analysis
- Geographic Information and Database Management
- GIS and Globalization

Structure of the Program

1. Credit Requirements *

Requirements	Option 1.1	Option 1.2
Coursework	-	24
- Core Courses	-	9
- Electives	-	15
Required Non-credit Courses	4	4
Thesis	36	12
Total	36	36

* Minimum credits required

2. Core Courses

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Map and Visualization	-	-	104541	3
Spatial Analysis	-	-	104542	3
Geographic Information and Database Management	-	-	104543	3
Total	-	-	3	9

3. Electives

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Advanced Remote Sensing	-	-	104551	3
Digital Image Analysis	-	-	104552	3
Internet and Mobile Mapping	-	-	104553	3
Spatial Modeling	-	-	104554	3
Spatial Decision Support Systems	-	-	104555	3
Special Topic in Geographic Information Science	-	-	104556	3
Landscape Evolution	-	-	104561	3
Disaster Assessment	-	-	104562	3
Geography of Climate Change	-	-	104563	3
Health GIS	-	-	104564	3
GIS and Globalization	-	-	104565	3
Spatial Analysis for Food Systems	-	-	104566	3
GIS for Settlement and Resettlement System	-	-	104567	3
Land and Property Information Management	-	-	104568	3
Public Participation GIS	-	-	104569	3
Total	-	-	≥5	≥15

4. Required Non-credit Courses

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Research Methodology in Science and Technology	104544	3	104544	3
Seminar	104545	1	104545	1
Total	2	4	2	4

5. Thesis Credit Requirements

Requirements	Option 1.1		Option 1.2	
	Course No.	Cr.	Course No.	Cr.
Thesis 1, Option 1.1	104571	6	-	-
Thesis 2, Option 1.1	104572	6	-	-
Thesis 3, Option 1.1	104573	12	-	-
Thesis 4, Option 1.1	104574	12	-	-
Thesis 1, Option 1.2	-	-	105595	3
Thesis 2, Option 1.2	-	-	105596	3
Thesis 3, Option 1.2	-	-	105597	6
Total	4	36	3	12