Master of Engineering Program in
Infrastructure Engineering Management

Research Focus

- Infrastructure Policies, Infrastructure Management and Planning
- Inspection Techniques and Deterioration Model
- Financial and Economical Analysis
- Disaster and Risk Management

Structure of the Program

1. Credit Requirements *

Requirements	Option 1.2
Coursework	24
- Core Courses	12
- Electives	12
Required Non-credit Courses	5
Thesis	12
Total	**36**

* Minimum credits required

2. Core Courses

Requirements	Option 1.2	
	Course No.	Cr.
Infrastructure Planning and Management	310501	3
Infrastructure Project Evaluation	310502	3
Stakeholders Participation and Environment Impact Assessment	310504	3
Information Management System for Infrastructure Engineering Management	310505	3
Total	**4**	**12**

3. Electives

Requirements	Option 1.2	
	Course No.	Cr.
Community Environment Technology	307542	3
Urban Development Planning	310503	3
Transport and Logistics Management	310506	3
Selected Topics in Infrastructure Engineering Management	310507	3
Special Problem Studies in Infrastructure Engineering Management	310508	3
Superstructure Inspection and Maintenance	310511	3
Substructure Inspection and Maintenance	310512	3
Standards and Regulations for Infrastructure Management	310513	3
Disaster Analysis and Prevention	310514	3
Urban Water Management	310521	3
Hazardous and Solid Waste Management	310522	3
Urban Energy Management	310523	3
Construction Management Techniques	313521	3
Total	≥4	≥12

4. Required Non-credit Courses

Requirements	Option 1.2	
	Course No.	Cr.
Research Methodology in Science and Technology	304503	3
Seminar 2	310592	1
Seminar 3	310593	1
Total	3	5

5. Thesis Credit Requirements

Requirements	Option 1.2	
	Course No.	Cr.
Thesis 1, Option 1.2	310594	3
Thesis 2, Option 1.2	310595	3
Thesis 3, Option 1.2	310596	6
Total	3	12