

Master of Engineering Program in Environmental Engineering

Research Focus

- Solid and Hazardous Waste Management
- Water and Wastewater Treatment
- Environment and Energy Management
- Air and Noise Control

Structure of the Program

1. Credit Requirements *

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

* Minimum credits required

2. Core Courses

Requirements	Option 1.2	
	Course No.	Cr.
Advanced Chemistry for Environmental Engineering	307501	3
Physico-Chemical-Biological Processes and Reaction Kinetics	307502	3
Environmental Fate and Transport of Pollutants	307503	3
Total	3	9

3. Electives

Requirements	Option 1.2	
	Course No.	Cr.
Air Pollution and Control	307511	3
Design of Air Pollution and Control System for Industry	307512	3
Atmospheric Chemistry	307513	3
Advanced Noise Control	307514	3
Global Warming and Impact Mitigation	307515	3
Special Topics in Environmental Engineering	307579	3
Advanced Wastewater Treatment Process	307521	3
Advanced Water Supply Technology	307522	3
Sewerage and Water Distribution Systems	307523	3
Water and Wastewater Treatment Plant Operation and Management	307524	3
Integrated Municipal Solid Waste Engineering and Management	307531	3
Advanced Hazardous Waste Management	307532	3
Industrial Waste Control	307533	3
Site Remediation	307534	3
Solid and Hazardous Waste Landfill Engineering	307535	3
Environmental and Health Risk Assessment	307536	3
Community Environmental Technology	307541	3
Pollution Management	307542	3
Environmental System Modeling	307543	3
Environmental Health and Sanitation	307544	3
Pollution Prevention	307545	3
Environment and Energy	307546	3
Biotechnology for Energy and Environment	307547	3
Industrial Safety and Environment Management	307548	3
Environmental Law and Organization Management	307549	3
Total	≥3	≥9

4. Required Non-credit Courses

Requirements	Option 1.2	
	Course No.	Cr.
Research Methodology in Science and Technology	307581	3
Seminar	307582	1
Total	2	4

5. Thesis Credit Requirements

Requirements	Option 1.2	
	Course No.	Cr.
Thesis 1, Option 1.2	307591	1
Thesis 2, Option 1.2	307592	2
Thesis 3, Option 1.2	307593	3
Thesis 4, Option 1.2	307594	6
Total	4	12