

In-service master program Courses
(hours of lecture-hours of practical learning-credits)

First Year		Second Year	
1st Semester	2nd Semester	1st Semester	2nd Semester
Required courses			
ESH Development Trends and Engineering Ethics 2-0-2		Seminars 0-2-1	
		Master Thesis 3-0-3	Master Thesis 3-0-3
2-0-2		3-2-4	3-0-3
Professional elective courses			
Core courses			
* Aerosol Science and technology 3-0-3	* Physic chemical treatment processes 3-0-3	* Industrial Safety Technology 3-0-3	* Biological Process 3-0-3
⊙ International standards and Certification Institution 3-0-3	* Theory of Air Pollution Control 3-0-3	⊙ Investigation and Analysis Method 3-0-3	⊙ Environmental, Health and Safety Planning and Management 3-0-3
⊙ Statistical Analysis 3-0-3	⊙ System Optimization and Decision Making Analysis 3-0-3		
Elective courses			
Application and Technology of Green Energy Material 3-0-3	Risk Management and Insurance 3-0-3	Mechanical Safety Design 3-0-3	Scientific Reports Writing 3-0-3
Groundwater Hydraulics And Pollutant Transport 3-0-3	Solid Waste Treatment and Soil Pollution Remediation 3-0-3	Management Theory 3-0-3	Statistical software 3-0-3
Risk Assessment 3-0-3	Occupational Safety and Hygiene Management 3-0-3	Air Quality Management 3-0-3	Prevention, Control and Response for Hazardous Chemical Incident 3-0-3
		Application and management of environmental microbiology 3-0-3	System safety Analysis in Environment and Safety 3-0-3