

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Curriculum Structure

The Program (Total 35 Cr Hrs)

Curriculum Component	Number of Courses	Total Number Cr Hrs
Major Core	7	19
Major Elective	4	12
Thesis	1	4
Total:	12	35

Core Requirements (19 Cr Hrs)

Core Requirements	
Course ID	Course Title
EEMP 604	Environmental Chemistry
EEMP 605	Environmental Transport and Water Resources
EEMP 606	Environmental Biotechnology
EEMP 607	Modelling of Environmental systems
EEMP 608	Environmental Measurements and statistical labs
EEMP 609	Physico-chemical Processes in environmental systems
EEMP 610	Design project

Elective courses (9 Cr Hrs)

Elective courses	
Course ID	Course Title
EEMP 621	Solid Waste Management
EEMP 622	Hazardous Waste and Contaminated Sites Management
EEMP 623	Marine Environment and Human Development
EEMP 624	Environmental Sustainability
EEMP 625	Industrial Waste Water Treatment
EEMP 626	Clean Energy Resources
EEMP 627	Environmental Impact Assessment
EEMP 628	Special Topics in Environmental Engineering
EEMP 629	Atmospheric pollution and air quality management

Thesis Option Requirements (7 Cr Hrs)

Master Thesis	
Course ID	Course Title
EEMP 697	Master Thesis I
EEMP 698	Master Thesis II
EEMP 602	Research strategies and methods

Project Option Requirements (4 Cr Hrs)

Project Option	
Course ID	Course Title
EEMP 691	Industrial Master Project
EEMP 630	Environmental Assessment and Management

STUDY PLAN

Master of Science in Environmental Engineering Thesis Option

FIRST SEMESTER (9 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	EEMP 604	Environmental Chemistry	3
	EEMP 605	Environmental Transport and Water Resources	3
	EEMP 606	Environmental Biotechnology	3
Total			9
SECOND SEMESTER (10 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	EEMP 607	Modelling of Environmental systems	3
	EEMP 608	Environmental Measurements and Statistical Lab	1
	EEMP 609	Physicochemical Processes in Environmental Systems	3
	EEMP 610	Design Project	3
Total			10
THIRD SEMESTER (10 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	EEMP XXX	Technical Elective	3
	EEMP 602	Research Strategies and Methods	3
	EEMP 697	Thesis	1
	EEMP XXX	Technical Elective	3
Total			10
FOURTH SEMESTER (6 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	EEMP XXX	Technical Elective	3
	EEMP 698	Thesis	3
Total			6

STUDY PLAN

Master of Science in Environmental Engineering Project Option

FIRST SEMESTER (9 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	EEMP 604	Environmental Chemistry	3
	EEMP 605	Environmental Transport and Water Resources	3
	EEMP 606	Environmental Biotechnology	3
Total			9
SECOND SEMESTER (10 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	EEMP 607	Modelling of Environmental systems	3
	EEMP 608	Environmental Measurements and Statistical Lab	1
	EEMP 609	Physicochemical Processes in Environmental Systems	3
	EEMP 610	Design Project	3
Total			10
THIRD SEMESTER (8 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	EEMP XXX	Technical Elective	3
	EEMP XXX	Technical Elective	3
	EEMP 630	Environmental Assessment & Management	2
Total			8
FOURTH SEMESTER (8 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	EEMP XXX	Technical Elective	3
	EEMP XXX	Technical Elective	3
	EEMP 691	Industrial Master Project	2
Total			8