

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Curriculum Structure

The Program (Total 35 Cr Hrs)

Curriculum Components	Total Courses	Total Cr Hrs
Major Core	7	19
Major Elective	4	12
Thesis	1	4
Total	12	35

Core Requirements (19 Cr Hrs)

Core courses	
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

Electives Courses (9 Cr Hrs)

Major Electives	
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 Requirement (7 Cr Hrs)

Thesis option	
Course ID	Course Title
EEMP 697	Master Thesis I
EEMP 698	Master Thesis II
EEMP 602	Research Strategies and Methods

Project Option Requirement (3 Cr Hrs)

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



STUDY PLAN

Thesis option

First Year (19 Cr Hrs)		
Fall Semester		
Course #	Course Title	Cr Hrs
EEMP 604	Environmental Chemistry	3
EEMP 605	Environmental Transport and Water Resources	3
EEMP 606	Environmental Biotechnology	3
Spring Semester		
Course #	Course Title	Cr Hrs
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

Second Year (16 Cr Hrs)		
Fall Semester		
Course #	Course Title	Cr Hrs
EEMP XXX	Technical Elective	3
EEMP 602	Research Strategies and Methods	3
EEMP 697	Thesis	1
EEMP XXX	Technical Elective	3
Spring Semester		
Course #	Course Title	Cr Hrs
EEMP XXX	Technical Elective	3
EEMP 698	Thesis	3

Project option

First Year (19 Cr Hrs)		
Fall Semester		
Course #	Course Title	Cr Hrs
EEMP 604	Environmental Chemistry	3
EEMP 605	Environmental Transport and Water Resources	3
EEMP 606	Environmental Biotechnology	3
Spring Semester		
Course #	Course Title	Cr Hrs
EEMP 607	Modeling 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

Second Year (16 Cr Hrs)		
Fall Semester		
Course #	Course Title	Cr Hrs
EEMP XXX	Technical Elective	3
EEMP XXX	Technical Elective	3
EEMP XXX	Environmental Assessment & Mgmt.	2
Spring Semester		
Course #	Course Title	Cr Hrs
EEMP XXX	Technical Elective	3
EEMP XXX	Technical Elective	3
EEMP 691	Industrial Master Project	2

