Program Schemes for ME Environmental Engineering

Cluster: Engineering and Technology **Institute: UIE**

Department: Civil Engineering **Type of Program: PG**

Semester: 1st **Batch: 2026**

Course Name	L	T	P	C	Course Category
Air and Noise Pollution Control Engineering	3	0	0	3	Program Core
Energy Audit, Conservation and Management	3	0	0	3	Program Core
Environmental Chemistry and Microbiology	3	0	2	4	Program Core
Climate Change and Modelling	3	0	0	3	Program Core
Life Cycle Analysis and Design for Environment	2	0	2	3	Program Core
Research Methodology	3	0	0	3	Program Core
Project-I	0	0	0	2	Project
Environmental Software Lab	0	0	2	2	Program Core

Semester: 2nd **Batch: 2026**

Course Name	L	T	P	C	Course Category
Advanced water and Wastewater Treatment	3	0	2	4	Program Core
Industrial Waste Management	3	0	0	3	Program Core
Environmental Impact Assessment	3	0	0	3	Program Core
Progam Elective-I	3	0	0	3	Program Elective
Progam Elective-II	2	0	2	3	Program Elective
Project-II	0	0	0	2	Project
Geospatial Techniques for Environmental Engineering Lab	0	0	2	2	Program Core
Aptitude-I (For TPP)	0	0	0	1	Ability Enhancement
Soft Skills-I (For TPP)	0	0	0	1	Skill Enhancement
Quantitative Aptitude and Reasoning (Non TPP)	0	0	0	1	Ability Enhancement
Professional Skills Development (Non TPP)	0	0	0	1	Skill Enhancement
Program Elective-I					
Environmental Toxicology and Risk Assessment	3	0	0	3	Program Elective
Environmental Geotechnology	3	0	0	3	Program Elective
Surface Water Quality Modelling and Control	3	0	0	3	Program Elective
Program Elective-II					
Hydrology and watershed management	3	0	0	3	Program Elective
Green Technology & Sustainability	3	0	0	3	Program Elective
Renewable and Alternative Fuels	3	0	0	3	Program Elective

Semester: 3rd **Batch: 2026**

Course Name	L	T	P	C	Course Category
Dissertation Part I	0	0	0	10	Project
Research Seminar	0	0	0	3	Skill Enhancement
Open Elective- I	3	0	0	3	Open Elective
Open Elective- II	3	0	0	3	Open Elective
Summer Internship	0	0	0	2	Internship
Aptitude-II (For TPP)	0	0	2	1	Ability Enhancement
Soft Skills-II (For TPP)	0	0	2	1	Skill Enhancement
Statistical Data Analysis (Non TPP)	0	0	0	1	Ability Enhancement
Finance & Economics (Non TPP)	0	0	0	1	Skill Enhancement
Emerging Research Tools and Technologies	0	0	0	1	Ability Enhancement
Business Planning & Legal Basics	0	0	0	1	Skill Enhancement

Semester: 4th **Batch: 2026**

Course Name	L	T	P	C	Course Category
Dissertation Part II	0	0	0	14	Project