

**2-year M.Tech course curriculum**  
**Environmental Engineering, Department of Civil Engineering**  
**Curriculum: July 2023**

**Course Curriculum**

**Semester 1**

Sr. No.	Course Name	Code	Credit	Course type
1	Solid Waste Management	CE50220	3	Department core
2	Bio-Chemical Processes	CE50210	3	Department core
3	Applied Computational Lab	CE60501	2	Department core
4	Life Cycle Assessment & Sustainability	CE60143	2	Department elective
5	Contaminant Hydrology and Remediation	CE60540	3	Department elective
6	Communication Skills	LA50180	1	Soft skills
<b>Total credits</b>			<b>14</b>	

**Semester 2**

Sr. No.	Course Name	Code	Credit	Course type
1	Air Pollution	CE60120	3	Department core
2	Physicochemical Processes	CE50110	3	Department core
3	Advanced Environmental Lab	CE60211	2	Department core
4	Industrial & Hazardous Waste Management	CE60230	3	Department elective
5	Industrial seminar	CE50106	1	Soft skills
<b>Total credits</b>			<b>14</b>	

**Semester 3**

Sr. No.	Course Name	Code	Credit	Course type
1	Master's Thesis	CE60015	12	Thesis

**Semester 4**

Sr. No.	Course Name	Code	Credit	Course type
1	Master's Thesis	CE60015	12	Thesis

**All Electives**

Course name	Code	Credit
Contaminant Hydrology and Remediation	CE60540	3
Life Cycle Assessment & Sustainability	CE60143	2
Industrial & Hazardous Waste Management	CE60230	3
Design of Water Distribution and Sewerage Systems	CE 60700	
Environmental Chemistry and Microbiology	CE 60240	
Remote Sensing & GIS Applications in Water Resources	CE 60610	
Water Resources Systems Planning and Management	CE 60620	
Open-Channel Hydraulics and Sediment Transport	CE 50510	

Irrigation Water Management	CE60520	
Engineering Hydrology and Hydrologic Systems	CE 60500	
Groundwater Modelling	CE 50530	