

COURSE STRUCTURE

M. Tech. (Environmental Science & Engineering)
Course Structure (Revised in 2025-26)

Course No.	Course Title	Credits	Periods per Week			Marks	
			L	T	P	Mid Sem	End Sem
1st Semester (Credits = 22)							
MEN-101	Environmental Chemistry & Microbiology	4	3	1	--	40	60
MEN-102	Sustainable Urban Environmental Design	4	3	1	--	40	60
MEN-103	Environmental Systems Modelling	4	3	1	-	40	60
MEN-104	Water Treatment Processes	4	3	1	--	40	60
MEN-105	Air Pollution	4	3	1	--	40	60
MEN-110	Environmental Monitoring Lab	2	--	--	4	30	20
2nd Semester (Credits = 24)							
MEN-201	Wastewater Treatment Processes	4	3	1	--	40	60
MEN-202	Air and Noise Pollution Control Systems	4	3	1	--	40	60
MEN-203	Solid and Hazardous Waste Management	4	3	1	--	40	60
MEN-204	Environmental Data Analysis & Machine Learning	4	3	1	--	40	60
MEN-210	Environmental Simulation Lab	2	--	--	4	30	20
MEN-211	Environmental Impact Assessment & Auditing	4 (Only One Elective to be opted)	3	1	--	40	60
MEN-212	Occupational Health & Environmental Safety						
MEN-213	Disaster Management & Mitigation						
MEN-214	Separation Processes in Water Treatment						
MEN-220	Seminar	2	0	0	4	30	20
3rd Semester (Credits = 14)							
MEN-301	Industrial Wastewater Treatment & Reuse	4	3	1	--	40	60
MEN-311	Applications of Remote Sensing & GIS	4 (Only One Elective to be opted)	3	1	--	40	60
MEN-312	Surface Water Hydrology						
MEN-313	Post Treatment of Anaerobic Effluent						
MEN-314	Optimization in Environmental Designs						
MEN-350	Dissertation Part ó I	6	0	3	6	90	60
4th Semester (Credits = 12)							
MEN-450	Dissertation Part ó II	12	0	6	12	180	120

Credit Summary

Semester	Core Course / Electives	Lab / Seminar / Project	Total Credits
I Semester	20	2	22
II Semester	20	4	24
III Semester	8	6	14
IV Semester	0	12	12
Total			72

Note: As per the new **SWAYAM** policy of **Jamia Millia Islamia**, it is mandatory for all students to complete **minimum credit requirement** through courses offered on the **SWAYAM online platform**.