



TECHNO INDIA UNIVERSITY

W E S T B E N G A L

**CURRICULUM FOR 2-YEARS M.Sc. ENVIRONMENTAL
SCIENCE**



DEPARTMENT OF CHEMISTRY

Techno India University, West Bengal

EM-4, EM Block, Sector V, Bidhannagar,

Kolkata -700091, West Bengal

**First Semester**

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PEV-T101	Energy and Environment	3	1	0	4
TIU-PEV-T103	Environmental Chemistry	3	1	0	4
TIU-PEV-T105	Environmental Laws and Compliances	3	1	0	4
TIU-PEV-T107	Statistical analysis	3	1	0	4
Practical					
TIU-PEV-L103	Environmental Chemistry Lab	0	0	4	2
TIU-PFS-L109	Field Studies	0	0	4	2
Total Credit					20

**Second Semester**

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PEV-T102	Environmental Monitoring & Analysis	3	1	0	4
TIU-PEV-T106	Environmental Microbiology	3	1	0	4
TIU-PEV-T108	Environmental Biotechnology	3	1	0	4
TIU-PEV-T110	Analytical Instrumentation	3	1	0	4
Practical					
TIU-PEV-L102	Environmental Analysis Lab	0	0	4	2
TIU-PEV-L104	Environmental Microbiology	0	0	4	2
Total Credits					20

**Third Semester**

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PEV-T201	Fundamentals of Ecology and Environmental Science	3	1	0	4
TIU-PEV-T203	Environmental Toxicology and Occupational Health	3	1	0	4
TIU-PEV-T205	Remote Sensing and Geographical Information System (GIS)	3	1	0	4
TIU-PEV-T207	Environmental Biochemistry	3	1	0	4
Project					
TIU-PEV-S201	Project-I	0	0	8	4
Total Credits					20

**Fourth Semester**

Course Code	Course Title	Contact Hrs. / Week			Credit
		L	T	P	
Theory					
TIU-PEV-T202	Solid waste management and Waste water Treatment	3	1	0	4
TIU-PEV-T204	Environmental Management System (EMS), auditing, and EIA	3	1	0	4
TIU-PEV-T206	Environmental Geosciences	3	1	0	4
Project					
TIU-PEV-S202	Project-II	0	0	16	8
Total Credits					20