

M.Sc. (Energy and Environment) 2023-2025

Eligibility	At least 55% aggregate marks in B.Sc./BE/ B Tech (Mechanical, Electrical, Civil, Instrumentation and Agricultural Engineering)
Duration	Four Semesters (Two Years).
Seats	30 ; Reservation for SC/ ST/OBC as per MP Government Rule

First Semester:

Code	Title	Credits (L-T-P)	Hours	Faculty
CORE COURSES				
EN5A-501	Environmental Chemistry	4 (3-1-0)	64	
EN5A-502	Green Energy Technologies-I	4 (3-1-0)	64	
EN5A-503	Research Methodology	4 (3-1-0)	64	
EN5A-504	Field Visit	3 (0-0-6)	48	
EN5A-505	Environmental Lab	3 (0-0-6)	48	
EN5A-506	Seminar	2(0-0-4)	32	
ELECTIVE COURSES				
EN5A-507	Project Management	3 (2-1-0)	48	
VIRTUAL CREDIT				
EN5A-508	Comprehensive Viva-voce	4		
	Total Credit	27		

Second Semester:

Code	Title	Credits (L-T-P)	Hours	Faculty
CORE COURSES				
EN5A-509	Water & Waste Water Pollution	4 (3-1-0)	64	
EN5A-510	Waste Utilization and Value Addition	4 (3-1-0)	64	
EN5A-511	Green Energy Technologies-II	4 (3-1-0)	64	
EN5A-512	Green Energy Lab	3 (0-0-6)	48	
EN5A-513	Computer application in Energy and Environment	4 (3-1-0)	64	
ELECTIVE COURSES				
EN5A-514	Energy & Environment: Policies and Legislation	3 (3-0-0)	48	
VIRTUAL CREDIT				
EN5A-515	Comprehensive Viva-voce	4		
	Total Credit	26		

Third Semester:

Code	Title	Credits (L-T-P)	Hours	Faculty
CORE COURSES				
EN5A-601	Climate Change and Current Issue	4 (3-1-0)	64	RC
EN5A-602	Bio-fuel Technologies	4 (3-1-0)	64	R NS
EN5A-603	Air and Noise Pollution	4 (3-1-0)	64	RC
EN5A-604	Environmental Impact Assessment	4 (3-1-0)	64	RC
EN5A-605	Minor Project	4 (0-0-8)	64	RNS/RC
ELECTIVE COURSES				
EN5A-606	Energy and Environment Audit	3 (3-0-0)	46	
VIRTUAL CREDIT				
EN5A-607	Comprehensive Viva-voce	4		
	Total Credit	27		

Fourth Semester:

Code	Title	Credits (L-T-P)	Hours	Faculty
CORE COURSES				
EN5A-608	Major Project	12 (0-0-24)	192	RNS/RC/External
VIRTUAL CREDIT				
EN5A-609	Comprehensive Viva-voce	4		
	Total Credit	16		
	GRAND TOTAL	96		