

ENVIRONMENTAL SCIENCE

BACHELOR OF SCIENCE (HONOURS)

(Applicable from the academic session 2019-2020)

Department Of Environmental Science, MAKAUT



**Maulana Abul Kalam Azad University of Technology,
West Bengal**

(Formerly West Bengal University of Technology)

Haringhata-741249, Nadia, West Bengal, INDIA

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(Formerly West Bengal University of Technology)
BACHELOR OF SCIENCE (B. Sc.) IN ENVIRONMENTAL SCIENCE PROGRAMME
Curriculum Structure

Sl. No.	Category	Subject Code	Subject Name	Total Number of Contact Hours			Credits
				L	T	P	
SEMESTER -I							
1	Core Material I	BENVS 111T/P	Systems Concept and Systems Thinking in Environment	4	0	2	6
2	Core Material II	BENVS 112T/P	Earth Systems Science	4	0	2	6
3	Ability Enhancement Obligatory Course I	BENVS 123	English Communication	2	1	0	3
4	Outside Class Room Activity-I	BENVS 151	Industrial Training on Water and Wastewater Treatment Technology: Case Study - I	0	1	1	2
Total of Semester -I				10	2	5	17
SEMESTER -II							
1	Core Material III	BENVS 211T/P	Ecological Systems and Eco-Dynamics	4	0	2	6
2	Core Material IV	BENVS 212T/P	Atmospheric Processes and Climate Science	4	0	2	6
3	Ability Enhancement Obligatory Courses II	BENVS 223	Environmental Studies / Economics for Engineers	2	1	0	2
4	Outside Class Room Activity-II	BENVS 251	Industrial Training on Air Pollution Control Technology : Case Study - II	0	1	1	2
Total of Semester -II				10	2	7	17

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				L	T	P	
SEMESTER -III							
1	Core Material V	BENVS 311T/P	Conservation Biology and Ecotourism	4	0	2	6
2	Core Material VI	BENVS 312T/P	Environmental Chemistry	4	0	2	6
3	Core Material VII	BENVS 313T/P	Environmental Engineering and Pollution Control Technology	4	0	2	6
4	Skill Building Course A1 or A2	BENVS 331A1	Fundamentals of Environmental Mathematics	3	0	0	3
		BENVS 332A2	Geochemistry and Pollution Dispersal				
5	Outside Class Room Activity-III	BENVS 351	Industrial Training on Business Analytics of Environmental Monitoring - Case Study III	0	1	1	2
Total of Semester -III				15	1	7	23
SEMESTER -IV							
1	Core Material VIII	BENVS 411T/P	RS-GIS and Environmental Modelling	4	0	2	6
2	Core Material IX	BENVS 412T/P	Energy and Environment : Green Technology	4	0	2	6
3	Core Material X	BENVS 413T/P	Oceanography and Coastal Management	4	0	2	6
4	Skill Building Course B1 or B2	BENVS 431B1	Analytical Methods and Instrumentation Techniques	3	0	0	3
		BENVS 432B2	Water Resources : Assessment, Treatment and Management				
5	Outside Class Room Activity-IV	BENVS 451	Industrial Training on Green Marketing - Case Study IV	0	1	1	2
Total of Semester -IV				15	1	7	23

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				L	T	P	
SEMESTER -V							
1	Core Material XI	BENVS 511T/P	Environmental Data Analyses and Modelling	4	0	2	6
2	Core Material XII	BENVS 512T/P	Environmental Biotechnology and Eco-Toxicology	4	0	2	6
3	Course Specific Elective A1	BENVS 541A1 T/P	Environmental Physics	4	0	2	6
4	Course Specific Elective B2 or B3	BENVS 542B2 T/P	Risk and Disaster Management	4	0	2	6
		BENVS 543B3 T/P	Soil Pollution and Solid Waste Management				
Total of Semester -V				16	0	8	24
SEMESTER -IV							
1	Core Material XIII	BENVS 611T/P	Environmental Impact Assessment and Environmental Management	4	0	2	6
2	Core Material XIV	BENVS 612T/P	Environmental Economics, Strategies and Policy Planning	4	0	2	6
3	Course Specific Elective B1	BENVS 641B1 T/P	Environmental Education and Legislation	4	0	2	6
4	Course Specific Elective A2 or A3	BENVS 642A2 T/P	Environmental Health, Stress Physiology and Ergonomic Management	4	0	2	6
		BENVS 643A3 T/P	Sustainable Agriculture and Pest Management				
Total of Semester -VI				16	0	8	24
Total Credits for the Programme							128