

**Maulana Abul Kalam Azad University of Technology, WB**  
**(Formerly known as West Bengal University of Technology)**  
**Syllabus of B.Sc. in Environmental Science**  
**Effective from academic session 2023-24**

**Model curriculum structure for 4 year UG programs for B.Sc. in Environmental Science**

<b>SEM</b>	<b>MAJOR (Offline)</b>	<b>Credit</b>	<b>Minor (Blended Mode)</b>	<b>Inter Disciplinary (Offline)</b>	<b>Ability Enhancement (Offline)</b>	<b>Skill Enhancement (Online /Sessional)</b>	<b>Common Value added Course (SESSIONAL)</b>	<b>TOTAL CREDITS</b>
<b>I</b>	EARTH & ENVIRONMENTAL SYSTEM	5	(1 sub x 3 credits)  Principles Of Management	Any one from GE baskets Basket A or D (3 CREDITS)	ENGLISH & PROFESSIONAL COMMUNICATION (2 CREDITS)	LIFE SKILLS & PERSONALITY DEVELOPMENT (2 CREDITS)	YOGA/ HEALTH & WELLNESS/ SPORTS (2 CREDITS)	22
	ENVIRONMENTAL RESOURCES AND ENERGY SCIENCE	5						
<b>II</b>	PHYSICS & CHEMISTRY OF ENVIRONMENT	5	(1 sub x 3 credits)  Organization Behaviour/Business Ethics & Corporate Governance	Any one from GE baskets Basket B or E (3 CREDITS)	Modern Indian Languages and Literature (2 CREDITS)	IT Skills (2 CREDITS)	CRITICAL THINKING/ NSS MENTAL HEALTH (2 CREDITS)	22
	ENVIRONMENTAL SUSTAINIBILITY CONCEPT AND CONCERN	5						
<b>III</b>	ENVIRONMENTAL BIOLOGY	5	(1 sub x 4 credits)  Principles of Marketing/Business &	Any one from GE baskets Basket C or	THE CONSTITUTION, HUMAN RIGHTS & LAW (2 CREDITS)	Understanding basics of Cyber Security (2 CREDITS)		21
	ENVIRONMENTAL POLLUTION &	5						

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	CONTROL		Sustainability	F (3 CREDITS)				
<b>IV</b>	ALTERATION OF ATMOSPHERE AND CLIMATE	4	Human resource management  /Corporate Social Responsibility (CSR)		SOCIETY, CULTURE & HUMAN BEHAVIOUR (2 CREDITS)			23
	BIODIVERSITY & CONSERVATION BIOLOGY	4	(4 credits)					
	WASTE MANAGEMENT	5	Sales and distribution management  /E-Commerce  (4 credits)					
<b>V</b>	ECOLOGY & ECOSYSTEM	5	Financial management  (4 credits)			INTERNSHIP (4 CREDITS)		22
	ENVIRONMENTAL BIOTECHNOLOGY	5	Entrepreneurship  (4 credits)					
<b>VI</b>	ECOTOXICOLOGY & ENVIRONMENTAL STUDIES	4	Customer relationship management  (4 credits)					22

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	ENVIRONMENTAL ENGINEERING & POLLUTION CONTROL MEASURES	5	Career planning and management/Managing Workplace Diversity (4 credits)					
	ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT	5						
<b>VII</b>	NATURAL HAZARDS AND DISASTER MANAGEMENT	5	Consumer behaviour (4 credits)/ Exploring Business Opportunity					22
	ENVIRONMENTAL LEGISLATION & POLICY	5	Strategic management/ Intellectual Property Rights (4 credits)					
	RESEARCH METHODOLOGY	4						
<b>VIII</b>	ENVIRONMENTAL STATISTICS & ECONOMICS	5				RESEARCH PROJECT (12 CREDITS)		22
	ORGANISMAL & EVOLUTIONARY BIOLOGY	5						
	<b>91 CREDITS</b>	<b>91</b>	<b>42 CREDITS</b>	<b>9 CREDITS</b>	<b>8 CREDITS</b>	<b>22 CREDITS</b>	<b>4 CREDITS</b>	<b>176</b>