



ADAMAS UNIVERSITY

School of Basic and Applied Sciences

Department of Chemistry

**B.Sc. in Environmental Science and
Sustainability**

Programme Code: CHM3405

Course Structure

Academic Year: 2026-27

SCHOOL OF BASIC AND APPLIED SCIENCES								
UNDERGRADUATE COURSE STRUCTURE								
B.Sc. ENVIRONMENTAL SCIENCE and SUSTAINABILITY								
BATCH 2026-27								
SEMESTER I								
S.No.	Type of Course	Code	Title of the Course	Contact Hours Per Week				Total Credits
				L	T	P	H	
1.	Major CC-1	EVS131	Principles of Ecology and Biodiversity	3	0	1	5	4
2.	Major CC-2	EVS132	Environmental Ethics and Sustainable Development Goals (SDGs)	4	0	0	4	4
3.	Minor	IKS101	Introduction to IKS	4	0	0	4	4
4.	MDC		MDC-I (To be chosen from bucket provided)					3
5.	AEC	AEC101	Communicative English-I	2	0	0	2	2
6.	AEC		Foreign Language-I	2	0	0	2	2
7.	VAC	VAC101	Environmental Education-I	2	0	0	2	2
8.	SEC	GEN103	AI for Science	2	0	0	2	2
Semester Credits								23
SEMESTER II								
1.	Major CC-3	EVS133	Introduction to Atmospheric Science	3	0	1	5	4
2.	Major CC-4	EVS134	Physics and Chemistry of the Environment	3	0	1	5	4
3.	Major CC-5	EVS135	Ecology Field Study	-	-	-		2
4.	Minor	GEN104	Basic Cyber Security and Internet of Things	4	0	0	4	4
5.	MDC		MDC-II (To be chosen from bucket provided)					3
6.	VAC	VAC105	Community Engagement	2	0	0	2	2
7.	AEC	AEC102	Communicative English-II	2	0	0	2	2
8.	AEC		Foreign Language-II	2	0	0	2	2
9.	SEC		SEC I (To be chosen from bucket provided)					2
10.	SEC		Soft Skills and Aptitude Course	1	0	0	1	1
Semester Credits								26
SEMESTER III								
1.	Major CC-6	EVS231	Water Resources Management	3	0	1	5	4
2.	Major CC-7	EVS232	Earth and Earth Surface Processes	3	0	1	5	4
3.	Major CC-8	EVS233	Introduction to Life Processes	3	0	1	5	4
4.	Minor		Minor I (To be chosen from bucket provided)					4
5.	MDC		MDC-III (To be chosen from bucket provided)					3

6.	VAC		To be chosen from bucket provided					2
7.	SEC		SEC II (To be chosen from bucket provided)					2
8.	SEC		Soft Skills and Aptitude Course	1	0	0	1	1
Semester Credits								24
SEMESTER IV								
1.	Major CC-9	EVS234	Natural Resource Management and Sustainable Ecosystems	3	0	1	5	4
2.	Major CC-10	EVS235	Pollution and Control Technologies	3	0	1	5	4
3.	Major CC-11	EVS236	Energy Transitions and Sustainability	3	0	1	5	4
4.	Minor		Minor II (To be chosen from bucket provided)					4
5.	VAC		To be chosen from bucket provided					2
6.	SEC		SEC III (To be chosen from bucket provided)					2
7.	SEC		Soft Skills and Aptitude Course	1	0	0	1	1
Semester Credits								21
SEMESTER V								
1.	Major CC-12	EVS321	Land Use and Soil Conservation	3	0	1	5	4
2.	Major CC-13	EVS322	Waste Management and Circular Economy	3	0	1	5	4
3.	Major CC-14	EVS323	Environmental Legislation and Environmental Impact Assessment	3	0	1	5	4
4.	Minor		Minor III (To be chosen from bucket provided)					4
5.	SEC		SEC IV (To be chosen from bucket provided)					2
6.	SEC		Soft Skills and Aptitude Course	1	0	0	1	1
7.	INT	EVS324	Internship	-	-	-	-	2
Semester Credits								21
SEMESTER VI								
1.	Major CC-15	EVS325	Data Science, Statistics and AI in Environmental Science	3	0	1	5	4
2.	Major CC-16	EVS326	Instruments and Analytical methods	3	0	1	5	4
3.	Major CC-17	EVS327	EHS and Sustainable Lifestyle	4	0	0	4	4
4.	Minor		Minor IV (To be chosen from bucket provided)					4
5.	SEC		SEC V (To be chosen from bucket provided)					2

6.	Major CC18	EVS328	Project	0	0	4	8	4
7.	SEC		Soft Skills and Aptitude Course	1	0	0	1	1
Semester Credits								23
Total Credits of the Program after 3rd Year								138
SEMESTER VII								
1.	Major CC-19	EVS421	Climate Change Adaptation and Mitigation Strategies	4	0	0	4	4
2.	Major CC-20	EVS422	Environmental, Social and Governance	2	1	1	4	4
3.	Major CC-21	EVS423	Applications of RS-GIS in Environmental Science and Sustainability	2	1	1	4	4
4.	Major CC-22 (With Research)	EVS424	Research Methodology	2	1	1	4	4
4A.	Major CC-23 (Without Research)	EVS425	Sustainable Designs and Supply Chain Management	3	1	0	4	4
5	Minor		Minor V (To be chosen from bucket provided)					4
6	SEC		Soft Skills and Aptitude Course	1	0	0	1	1
Total Semester Credit								21
SEMESTER VIII								
1.	Major CC-24	EVS426	Green Technologies and Environmental Innovations	3	0	1	5	4
2.	Minor		Minor VI (To be chosen from bucket provided)				4	4
3A.	Major CC-25 (Without Research)	EVS427	Environmental Modelling and Risk Assessment	2	1	1	4	4
3B.	Major CC-26 (Without Research)	EVS428	Eco-restoration Strategies	3	1	0	4	4
3C.	Minor (For Without Research)		Minor VII (To be chosen from bucket provided)				4	4
3.	Dissertation CC-Disrt-27 (For With research)	EVS429	Dissertation	-	-	12	24	12
Total Semester Credit								20
Total Credits of the Program after 4th Year								179

Total Core Course Credit for With Research: 98

Total Core Course Credit for Without Research: 94