



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: 2025-26

SCHOOL OF BASIC AND APPLIED SCIENCES								
UNDERGRAGUATE COURSE STRUCTURE								
B.Sc. ENVIRONMENTAL SCIENCE and SUSTAINABILITY								
BATCH 2025-26								
SEMESTER I								
S.No.	Type of Course	Code	Title of the Course	Contact Hours Per Week				Remarks
				L	T	P	C	
1	CC	EVS131	Principles of Ecology and Biodiversity	2	1	1	4	CC-1
2	CC	EVS132	Physics and Chemistry of the Environment	2	1	1	4	CC-2
3	MDC		MDC-I (To be chosen from bucket provided)	3	0	0	3	
4	AEC		Communicative English-I	3	0	0	3	
5	Minor		Minor I (To be chosen from bucket provided)	3	1	0	4	
6	VAC		Environmental Education-I	2	0	0	2	
Semester Credits							20	
SEMESTER II								
7	CC	EVS133	Introduction to Atmospheric Science	2	1	1	4	CC-3
8	CC	EVS134	Biology for the Environment	2	1	1	4	CC-4
9	MDC		MDC-II (To be chosen from bucket provided)	3	0	0	3	
10	SEC		SEC I (To be chosen from bucket provided)	1	0	1	2	
11	VAC		Community Engagement	2	0	0	2	
12	AEC		Communicative English-II	3	0	0	3	
13	Minor		Minor II (To be chosen from bucket provided)	3	0	1	4	
14	CC	EVS135	Excursion	-	-	-	4	
Semester Credits							26	
SEMESTER III								
14	CC	EVS231	Water Resources Management	2	1	1	4	CC-5
15	CC	EVS232	Instruments and Analytical methods	2	1	1	4	CC-6
16	MDC		MDC-II (To be chosen from bucket provided)	3	0	0	3	
17	Minor		Minor III (To be chosen from bucket provided)	2	1	1	4	
18	AEC	AEC106	Professional Communication Skills	2	0	0	2	
19	SEC		SEC II (To be chosen from bucket provided)	2	0	0	2	

20	VAC		Human Ethics	2	0	0	2	
Semester Credits							21	
SEMESTER IV								
21	CC	EVS233	Environmental Legislation and Environmental Impact Assessment	2	1	1	4	CC-7
22	CC	EVS234	Waste Management and Circular Economy	2	1	1	4	CC-8
23	CC	EVS235	Environmental Pollution and Control Technologies	2	1	1	4	CC-9
24	SEC		SEC III (To be chosen from bucket provided)	2	0	0	2	
25	Minor		Minor IV (To be chosen from bucket provided)	2	1	1	4	
26	VAC		To be chosen from bucket provided	2	0	0	2	
Semester Credits							20	
SEMESTER V								
27	CC	EVS321	Earth and Earth Surface Processes	2	1	1	4	CC-10
28	CC	EVS322	Energy and Environment	2	1	1	4	CC-11
29	CC	EVS323	Natural Resource Management and Sustainable Ecosystems	3	1	0	4	CC-12
30	Minor		Minor V (To be chosen from bucket provided)	3	1	0	4	
31	SEC		SEC IV (To be chosen from bucket provided)	2	0	0	2	
32	Internship	EVS324	Internship	0	0	0	4	CC-INT-13
Semester Credits							22	
SEMESTER VI								
33	CC	EVS325	Green Technologies	3	1	0	4	CC-14
34	CC	EVS326	Land Use and Soil Conservation	3	1	0	4	CC-15
35	CC	EVS327	EHS and Sustainable Lifestyle	3	1	0	4	CC-16
36	Minor		Minor VI (To be chosen from bucket provided)	3	1	0	4	
37	SEC		SEC V (To be chosen from bucket provided)	2	0	0	2	
38	Project	EVS328	Project	0	0	4	4	CC-Pro-17
Semester Credits							22	
Total Credits of the Program after 3rd Year							131	
SEMESTER VII								
39	CC	EVS421	Wastewater Engineering	2	1	1	4	CC-18

40	CC	EVS422	Environmental Social Governance	2	1	1	4	CC-19
41	CC	EVS423	Applications of RS-GIS in Environmental Science and Sustainability	2	1	1	4	CC-20
42	CC (For With research)	EVS424	Research Methodology (should start working on dissertation topic)	2	1	1	4	CC-21 (Research)
43	CC (For Without research)	EVS425	Sustainable Designs and Supply Chain Management	3	1	0	4	CC-22 (without Research)
44	Minor		Minor VII (To be chosen from bucket provided)	3	1	0	4	
Total Semester Credit							20	
Semester VIII								
45	CC	EVS426	Data Science, Statistics and AI in Environmental Science	3	0	1	4	CC-23
46	CC (For Without Research)	EVS427	Environmental Modelling	3	1	0	4	CC-24 (For Without Research)
47	CC (For Without Research)	EVS428	Eco-restoration Strategies	3	1	0	4	CC-25 (For Without Research)
48	Minor		Minor VIII (To be chosen from bucket provided)	3	0	1	4	
49	Minor (For Without Research)		Minor IX (To be chosen from bucket provided)	3	0	1	4	(For Without Research)
50	Dissertation (For with research)	EVS429	Project/Dissertation	12	0	0	12	CC-Disrt-26 (For With research)
Total Semester Credit							20	
Total Credits of the Program after 4th Year							171	

*NOTE: With research is only allowed for Students **who secure 75% marks and above in the first six semesters**