

**B.Sc Zoology, Botany and Chemistry**  
**Curriculum Structure 2025-26**

<b>SEMESTER I</b>						
<b>S. No</b>	<b>Course Name</b>	<b>Category of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
1.	Biochemistry	D1SC -1	4	0	0	4
2.	Diversity of Plant Life	D2SC-2	3	0	1	4
3.	Basic Concepts and Aliphatic Hydrocarbons	D3SC - 1	3	1	0	4
4.	Generic Elective (Forensic Science/Chemistry/Clinical/Biodiversity)	GE - 1				4
5.	Ecology and Environment	AEC-1	2	0	0	2
6.	Essentials of IT Tools	SEC-1	1	0	1	2
7.	Food Nutrition and Hygiene	VAC-1	2	0	0	2
		<b>TOTAL</b>				<b>22</b>

<b>SEMESTER II</b>						
<b>S. No.</b>	<b>Course Name</b>	<b>Category of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
1	Diversity of Non-Chordates and Chordates	D1SC-2	4	0	1	5
3	Halogen and Oxygen Containing Functional Groups	D3SC-2	3	0	1	4
4	Generic Elective (Forensic Science/Chemistry/Clinical/Biodiversity)	GE- 2				4
5	Logical Communication	AEC-2	1	0	1	2

6	Introduction to Python programming	SEC-2	1	0	1	2
7.	Biosafety and Bioethics	VAC-2	2	0	0	2
		<b>TOTAL</b>				<b>19</b>

<b>SEMESTER III</b>						
<b>S. No.</b>	<b>Course Name</b>	<b>Category of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
1	Plant Physiology	D2SC-3	3	0	0	3
2	Cell and Molecular Biology	D1SC-3	3	0	1	4
3	Chemical Thermodynamics and Equilibrium	D3SC-3	3	0	1	4
4	Generic Elective (Forensic Science/Chemistry/Clinical/Biodiversity)	GE - 3				4
5	Critical Thinking & Writing	AEC-3	2	0	0	2
6	Introduction to Artificial Intelligence	SEC-3	2	0	0	2
7	NCC/NSS/Social Internship/Vedic Mathematics	VAC-3	2	0	0	2
		<b>TOTAL</b>				<b>21</b>

SEMESTER IV						
S. No.	Course Name	Category of Course	L	T	P	Credits
1	Concept of Immunology	D1SC-4	3	0	1	4
2	Biotechnology and Genetic Engineering	D2SC-4	3	0	1	4
3	Basics of Nanoscience and Nanotechnology	D3SC-4	3	0	0	3
4	Generic Elective (Forensic Science/Chemistry/Clinical/Biodiversity)	GE- 4				4
5	Disaster Management	AEC-4	2	0	0	2
6	Cyber Sphere & Security Global Concern/ AI in Bioscience and Technology)	SEC-4	2	0	0	2
7	Bioinstrumentation & Biotechniques	MDC-1	3	0	0	3
		<b>TOTAL</b>				<b>22</b>

SEMESTER V						
S. No.	Course Name	Category of Course	L	T	P	Credits
1	Chronobiology	D1SC-5	3	0	1	4
2	Concept of Inheritance	D2SC-5	3	0	0	3
3	Co-ordination Chemistry	D3SC-5	3	0	1	4

4	Research Methodology and Ethics	MDC-2	4	0	0	4
5	Generic Elective	GE- 5				4
6	Internship	Industrial/Academic Internship	0	0	2	2
		<b>TOTAL</b>				<b>21</b>

<b>SEMESTER VI</b>						
<b>S. No.</b>	<b>Course Name</b>	<b>Category of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
1	Applied Ecology and Wildlife Sciences	D2SC-6	3	0	1	4
2	Human Physiology	D1SC-6	3	0	1	4
3	Organometallic Chemistry	D3SC-6	3	0	1	4
6	Generic Elective (Forensic Science/Chemistry/Clinical/Biodiversity)	GE- 6				4
7	One from the List of choices	SEC-6	2	0	0	2
		<b>TOTAL</b>				<b>18</b>

**After 3 years, Students will get the degree of B.Sc. ZBC with Total Credits=124**