

Faculty of Science_Credit Structure Implemented in the Year 2023-24 as per NEP 2020 and KCG Guidelines

Semester	Major			Minor			Multi-Disciplinary		AEC		SEC/Internship		VAC/IKS		RP/OJT		Total Credit per semester		
	Credit	Credit Distribution		Credit	Credit Distribution		Credit	Credit Distribution	Credit	Credit Distribution	Credit	Credit Distribution	Credit	Credit Distribution	Credit	Credit Distribution			
1	8	3	Theory	4	3	Theory	4	Theory	2	Theory	2	Theory	2	IKS	-		22		
		1	Practical		1	Practical													
		3	Theory																
		1	Practical																
2	8	3	Theory	4	3	Theory	4	Theory	2	Theory	2	Theory	2	VAC	-		22		
		1	Practical		1	Practical													
		3	Theory																
		1	Practical																
3	12	3	Theory	-			4	Theory	2	Theory	2	Theory	2	IKS	-		22		
		1	Practical																
		3	Theory																
		1	Practical																
		3	Theory																
		1	Practical																
4	12	3	Theory	4	3	Theory	-		2	Theory	2	Theory	2	VAC	-		22		
		1	Practical																
		3	Theory															1	Practical
		1	Practical																
		3	Theory																
		1	Practical																
1	Practical																		
5	12	3	Theory	8	3	Theory	-		0		2	Theory	-	-		22			
		1	Practical																
		3	Theory														1	Practical	
		1	Practical																
		3	Theory																
		1	Practical																
1	Practical																		
6	12	3	Theory	4	3	Theory	-		2	Theory	4	Internship	-	-		22			
		1	Practical																
		3	Theory														1	Practical	
		1	Practical																
		3	Theory																
		1	Practical																
1	Practical																		
With Theory / Research																			
7	12	3	Theory	4	3	Theory									6	OJT/RP	22		
		1	Practical																
		3	Theory															1	Practical
		1	Practical																
		3	Theory																
1	Practical																		
8	12	3	Theory	4	3	Theory									6	OJT/RP	22		
		1	Practical																
		3	Theory															1	Practical
		1	Practical																
		3	Theory																
		1	Practical																
1	Practical																		
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VANITA VISHRAM WOMEN'S UNIVERSITY					
SCHOOL OF SCIENCE & TECHNOLOGY					
Subject Titles and Credits Structure FOR B.Sc. BIOTECHNOLOGY PROGRAMME FOR THE STUDENTS ENROLLED IN THE AY 2023-24 as per NEP-2020 following UGC & KCG Guidelines					
Semester	Course Code	Course Category	Course Title	Total Credit	Semester Wise Total Credit
I	BTM201-1C	Major	Cell Biology (Theory)	4	22
			Cell Biology (Practical)		
	BTM202-1C	Major	Plant and Animal Sciences (Theory)	4	
			Plant and Animal Sciences (Practical)		
	BTE201-1C	Minor	Introduction to Biotechnology (Theory)	4	
			Introduction to Biotechnology (Practical)		
	MBE201-1C	Minor	Introduction to Microbiology (Theory)	4	
			Introduction to Microbiology (Practical)		
	CHE201-1C	Minor	Fundamentals of Chemical Science-I (Theory)	4	
			Fundamentals of Chemical Science-I (Practical)		
PHE201-1C	Minor	Fundamentals of Physics-I (Theory)	4		
		Fundamentals of Physics-I (Practical)			
MDC201-1C	Multi Disciplinary	Agricultural Techniques	4		
		Pharmaceutical Products			
		Food Map			
AEC201-1C	AEC	Functional English-I	2		
SEC201-1C	SEC	Instrumentation	2		
IKS201-1C	VAC/IKS	Indian Knowledge System	2		
II	BTM203-1C	Major	Introduction to Biotechnology (Theory)	4	22
			Introduction to Biotechnology (Practical)		
	BTM204-1C	Major	Biomolecules: Structures & Functions (Theory)	4	
			Biomolecules: Structures & Functions (Practical)		
	BTE202-1C	Minor	Cell Biology (Theory)	4	
			Cell Biology (Practical)		
	MBE202-1C	Minor	Diversity of Microbial World (Theory)	4	
			Diversity of Microbial World (Practical)		
	CHE202-1C	Minor	Fundamentals of Chemical Science-II (Theory)	4	
			Fundamentals of Chemical Science-II (Practical)		
PHE202-1C	Minor	Fundamentals of Physics-II (Theory)	4		
		Fundamentals of Physics-II (Practical)			
MDC202-1C	Multi Disciplinary	Nanotechnology and Applications (Theory)	4		
		Food Standards and Laws			
		Interdisciplinary perspectives on the Indian Space Program (Theory)			
AEC202-1C	AEC	Functional English-II (Theory)	2		
SEC202-1C	SEC	Analytical Tools and Techniques (Theory)	2		
VAC201-1C	VAC	Environmental Studies (Theory)	2		
III	BTM205-2C	Major	Biomolecules: Metabolism (Theory)	4	22
			Biomolecules: Metabolism (Practical)		
	BTM206-2C	Major	Enzymology (Theory)	4	
			Enzymology (Practical)		
	BTM207-2C	Major	General Genetics (Theory)	4	
			General Genetics (Practical)		
	MDC203-2C	Multi Disciplinary	Personal Finance	4	
			Holistic Wellness		
Material Recycling and Waste Management					
AEC203-2C	AEC	Communication Skills-I	2		
SEC203-2C	SEC	Life Skills	2		
IKS202-2C	VAC/IKS	Indian Knowledge System: Vigyan	2		