

Vivekanand Education Society's College
of Arts, Science & Commerce (Autonomous)

NEP CREDIT STRUCTURE

CATEGORY	CREDITS
MAJOR	MANDATORY:48 (Three years course) +28 = 76 (Four Years Honours course)
	ELECTIVES 4+4=8
MINOR	18
GENERIC ELECTIVE	12
VOCATIONAL SKILL ENHANCEMENT COURSE	10
SKILL ENHANCEMENT COURSE	6
ABILITY ENHANCEMENT COURSE i) English: 04 ii) Indian Modern Language: 04	8
INDIAN KNOWLEDGE SYSTEM (IKS)	2
VALUE ADDED COURSE	4
NSS/NCC/SPORTS/ CULTURAL/ INTERNSHIP/FIELD PROJECT	18 +4
TOTAL	132 (3 years) +44=176 (4th Year)

OPTIONS FOR SELF FINANCING SCIENCE COURSES:

MAJOR COURSE: Choose any ONE

- 1. Bachelor of Computer Science (BSc CS)**
- 2. Bachelor of Information Technology (BSc IT)**
- 3. Bachelor of Biotechnology (BSc BT)**

SEMESTER 1 of SFC Science						
Course Category	BSc CS		BSc IT		B.Sc. BT	
	Titles	Credits	Titles	Credits	Titles	Credits
Major	Computer Fundamentals	2	Imperative Programming using C	2	Fundamentals of Biotechnology- I	2
	Programming using Python	2	Database Management Systems	2	Biochemistry I	2
	Computer Science Practical 1	2	Imperative Programming using C and Database Management Systems Practical 1	2	Practicals of Biotechnology I and Biochemistry I	2
Minor	-	0	-	0	-	0
Open Elective	To be selected from basket of OE	4	2 subjects to be selected from basket of OE	4	2 subjects to be selected from basket of OE	4

Vocational / Skill Enhancement	Web Designing (VSC)	2	Basic Python Programming (VSC)	2	(VSC) Introduction to Microscopy	2
	Website Design Using Content Management System (SEC)	2	Web Programming using HTML and Java Script (SEC)	2	(SEC) Cell biology and Animal Tissue Culture	2
Ability Enhancement	Business Communication -1	2	Business Communication -1	2	Business Communication -1	2
Indian Knowledge System	Vedic Mathematics	2	Vedic Mathematics	2	Indian Knowledge System	2
Value Added Course	Indian Constitution	2	Indian Constitution	2	Indian Constitution	2
Co-Curricular Activities	NSS / Health, Wellness & Sports / Music / Cultural Activities, Department Activities etc	2	NSS / Health, Wellness & Sports / Music / Cultural Activities, Department Activities etc	2	NSS / Health, Wellness & Sports / Music / Cultural Activities, Department Activities etc	2

SEMESTER 2 SFC Science						
Course Category	BSc CS		BSc IT		B.Sc. BT	
	Titles	Credits	Titles	Credits	Titles	Credits
Major	Design and Analysis of Algorithms	2	Object Oriented Programming using C++	2	Bioprocess Technology	2
	Database Management System	2	Operating System	2	Immunology I	2
	Computer Science Practical 2	2	Object Oriented Programming using c++ and Basic Linux Practical 2	2	Practicals of Bioprocess Technology and Immunology	2
Minor	Descriptive Statistics	2	Digital Electronics	2	Chemistry	2
Open Elective	To be selected from basket of OE	4	2 subjects to be selected from basket of OE	4	2 subjects to be selected from basket of OE	4
Vocational / Skill Enhancement	Application Designing using Python	2	Advance Python Programming (VSC)	2	(VSC) Introduction to Microbiology	2
	Introduction to R	2	Web Programming using	2	(SEC) DNA Replication, Mutation and Repair	2

			PHP (SEC)			
Ability Enhance ment	Business Communi cation -2	2	Business Communi cation -2	2	Business Communica tion -2	2
Indian Knowledg e System	-	0	-	0	-	0
Value Added Course	Environm ental Studies	2	Environm ental Studies	2	Environme ntal Studies	2
Co-Curri cular Activities	NSS / Health, Wellness & Sports / Music / Cultural Activities, Departmen t Activities etc	2	NSS / Health, Wellness & Sports / Music / Cultural Activities, Departmen t Activities etc	2	NSS / Health, Wellness & Sports / Music / Cultural Activities, Department Activities etc	2

*** OE/GE Baskets (Semester-I/II)**

GE / OE (A)	GE / OE (B)
Fundamentals of Banking and Insurance	Introduction to Stock Market
Lifestyle related Disorders	Business Law
Advertising	Digital Marketing
Introduction to Photography	Travel & Tourism
Quantitative Aptitude Development	Introduction to Networking
Art of Management and Leadership	Principles of Accounting

***One from each group**