

Course Structure for B. Sc. [Second Year]

College offers the following traditional and non-traditional courses in pure and applied sciences leading to the degree of Bachelor of Science. Admission to these courses will be strictly as per the merit of FY.B.Sc. University theory exam results.

1. Chemistry Group

Chemistry, Industrial Chemistry

2. **Physics Group** : Instrumentation,

3. Biology Group

Biotechnology, Environmental Science, Microbiology, Genetics, Bioinformatics.

4. Computer Group

Computer Science, Information Technology

5. **Mathematics**: Pure Mathematics

SUBJECTS OFFERED

No.	Subject
01.	Chemistry
02.	Industrial Chemistry
03.	Computer Science
04.	Information Technology
05.	Instrumentation
06.	Mathematics
07.	Biotechnology
08.	Microbiology
09.	Environmental Science
10.	Genetics
11.	Bioinformatics
12.	BCA
13.	M.Sc. (CA & IT)

Chemistry

Basic sciences have a bottom-up approach which facilitates the specializations and super specializations towards the end of the education. The ideal syllabus covering basic, advanced and emerging trends in chemistry has made this course irresistible for an aspiring science graduate. Broad subject coverage like inorganic chemistry, polymer chemistry, physical chemistry, organic chemistry and analytical chemistry provides a very strong foundation of the concepts of chemistry.

[Second Year]

Semester- 3

Core Courses		
Core : I Chemistry	1.	Physics Chemistry
	2.	Physical Chemistry
	3.	Parcticals
Core : II Physics / IC/Maths	1.	Paper-I OPTICS
	2.	Paper-II Basic Solid State Electronics
	3.	Practicals
Elective Courses		
Elective	4.	Elective
	5.	Elective
Foundation Course		
	1.	Functional English

Semester- 4

Core Courses		
Core : I Chemistry	1.	Inorganic Chemistry
	2.	Applied Aspects of Chemistry
	3.	Parcticals
Core : II Physics / IC/Maths	1.	Paper-I Electromagnetic Theory & Spectroscopy
	2.	Paper - II Solid State Physics
	3.	Practicals
Elective Courses		
Elective	4.	Elective
	5.	Elective
Foundation Course		
	1.	Functional English

[Third Year]

Semester- 5

Core Courses		
Chemistry	1.	Organic Chemistry
	2.	Organic Chemistry
	3.	Inorganic Chemistry
	4.	Inorganic Chemistry
	5.	Physical Chemistry
	6.	Physical Chemistry
	7.	Physical Chemistry (Practicals)
	8.	Organic Chemistry (Practicals)
	9.	Inorganic Chemistry (Practicals)

Semester- 6

Core Courses		
Chemistry	1.	Organic Chemistry
	2.	Organic Chemistry
	3.	Inorganic Chemistry
	4.	Inorganic Chemistry
	5.	Physical Chemistry
	6.	Physical Chemistry
	7.	Physical Chemistry (Practicals)
	8.	Organic Chemistry (Practicals)
	9.	Inorganic Chemistry (Practicals)