

Department of Chemistry

St. Bede's College Shimla-2





About Department

The Chemistry Department pledges itself to encourage in the broadest and most liberal manner, the advancement of science and particularly chemistry in all of its branches through its education, research, and service missions.

Courses Offered

Programmes	Courses
UG	BSc.: Chemistry Pass Course

Faculty Profile

Name	Specialization	Experience	
Dr. Anita Khanna 9418050442 anitakhanna1012@gmail.com	Physical Chemistry	28	
Mr. Nishant 9459742524 nishant.skt@gmail.com	Inorganic Chemistry	4	
Mr. Abhishek Kumar 9736680018 abhi.goldn9@gmail.com	Inorganic Chemistry	1	
Mr. Khub Ram	Lab Asstt.	28	

Course Evaluation Process

Old RUSA CBCS System

Course Evaluation Process						
Continuous Comprehensive Assessment (CCA) Pattern: Maximum Marks Allotted: 50					End Semester Examination System	Total
	Minor Test* (Marks)	Class Test/ Tutorials/Assignments (Marks)	Attendance (Marks)	-		
Theory Subject	15	10	5	-	70	100
Practical Subject	15	10	5	Practical	40	100
				30		

New RUSA CBCS system

Course Evaluation Process						
Continuous Comprehensive Assessment (CCA) Pattern: Maximum Marks Allotted: 20					End Semester Examination System	Total
	Minor Test* (Marks)/ Class Test/ Tutorials/Assignments (Marks)			Attendance (Marks)	Total	
Theory Subject	AEC	15		5	20	70
	SEC	15		5	20	100
Practical Subject	Two Practical		Viva	Practical Notebook		Practical
	15		5	5	5	30

{Theory Paper (CCA + End semester Examination) +Practical [20 +50 +30] =100 marks}

Semester	Course Code	Course Name	Credit(s)	Total Credits
I (Odd)	Ability Enhancement Compulsory Course	English/Hindi(Communication) /Environmental Science	4	22
	CHEM CC 101	Atomic Structure, Bonding, General Organic Chemistry and Hydrocarbons	4	
	CHEM CC 101P	Atomic Structure, Bonding, General Organic Chemistry and Hydrocarbons Lab	2	
	Core Course I (Discipline 2nd)	DSC 2A	6	
	Core Course I (Discipline 3rd)	DSC 3 A	6	
II (Even)	Ability Enhancement Compulsory Course -II	English/Hindi(Communication) /Environmental Science	4	22
	CHEM CC 202	Chemical Energetics, Equilibria & Functional Group Organic Chemistry	4	
	CHEM CC 202 P	Chemical Energetics, Equilibria & Functional Group Organic Chemistry Lab	2	
	Core Course II (Discipline 2nd)	DSC 2B	6	

Semester	Course Code	Course Name	Credit(s)	Total Credits
	Core Course II (Discipline 3rd)	DSC 3 B	6	
III (Odd)	CHEM SEC 301 or CHEM SEC 302	Basic Analytical Chemistry or Pesticide Chemistry	4	22
	CHEM CC 303	Solutions, Phase Equilibria , Conductance, Electrochemistry & Organic Chemistry	4	
	CHEM CC 303 P	Solutions, Phase Equilibria , Conductance, Electrochemistry & Organic Chemistry Lab	2	
	Core Course III (Discipline 2nd)	DSC 2C	6	
	Core Course III (Discipline 3rd)	DSC 3 C	6	
IV (Even)	CHEM SEC 403 or CHEM SEC 404	Chemical Technology & Society or Pharmaceutical Chemistry	4	22
	CHEM CC 404	Coordination chemistry, States of Matter & Chemical Kinetics	4	
	CHEM CC 404 P	Coordination chemistry, States of Matter & Chemical Kinetics Lab	2	
	Core Course IV (Discipline 2nd)	DSC 2D	6	
	Core Course IV (Discipline 3rd)	DSC 3 D	6	
V (Odd)	CHEM SEC 505 or CHEM SEC 506	Fuel Chemistry or Business Skills for Chemistry	4	22
	CHEM DSE 501 or CHEM DSE 502 or CHEM DSE 503	Polymer Chemistry or Industrial Chemical and Environment or Quantum Chemistry, Spectroscopy & Photochemistry	4	
	CHEM DSE 501 P or CHEM DSE 502 P or CHEM DSE 503 P	Polymer Chemistry Lab or Industrial Chemical and Environment Lab or Quantum Chemistry, Spectroscopy & Photochemistry Lab	2	
	Discipline Specific Elective I (Discipline 2nd)	DSE 2 A	6	
	Discipline Specific Elective I (Discipline 3rd)	DSE 3 A	6	
VI (Even)	CHEM SEC 607	Chemistry of Cosmetics and Perfumes	4	

Semester	Course Code	Course Name	Credit(s)	Total Credits
	CHEM DSE 604 or CHEM DSE 605 or CHEM DSE 606	Chemistry of Main group Elements, Theories of acids and Bases or Organometallic, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy or Molecules of Life	4	22
	CHEM DSE 604 P or CHEM DSE 605 P or CHEM DSE 606 P	Chemistry of Main group Elements, Theories of acids and Bases Lab or Organometallic, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy Lab or Molecules of Life Lab	2	
	Discipline Specific Elective II (Discipline 2nd)	DSE 2 B	6	
	Discipline Specific Elective II (Discipline 3rd)	DSE 3 B	6	
			Total Credits	132

Skill enhancement compulsory course = Theory:80 and Assessment:20; Total=100

Further Details: http://www.hpuniv.nic.in/pdf/SBK%20B.Sc.%20Rusa_2_3_2015.pdf

<http://www.stbedescollege.in/Bedes2/Home.php>

Student-Performance

Naina Singh in 2016 is selected in HPU for PG in Chemistry

Shefali Massey in 2016 is selected in HPU for PG in Chemistry

Arpna Jaryal secured 8th position in 2015

Pooja Thakur selected in in HPU For PG in Chemistry