

Department of Polymer Sciences

Bhaskaracharya College of Applied Sciences (University of Delhi) Sec -2, Phase - 1, Dwarka, New Delhi -110075

About the Department

B.Sc. (H) Polymer Science course was introduced in University of Delhi at Bhaskaracharya College of Applied Sciences during 2004-05 and the first batch obtained degree in 2007. The broad components of course include Polymer Technology, Polymer Processing Fibre Science, Rubber Technology, Chemical Technology and Polymer Blends & Composites. This program is designed to provide fundamental understanding of polymer science, engineering and technology. The Department of Polymer Science has well equipped Laboratories to train the students with synthesis, processing and testing of different types of polymers. The course gives exposure of the latest developments in the field of polymeric materials to the students and therefore equips them to cater needs of the fast expanding polymer industry in India & Abroad. Pass out students are being well placed in various Polymer Industries and Academic Institutions in India and abroad

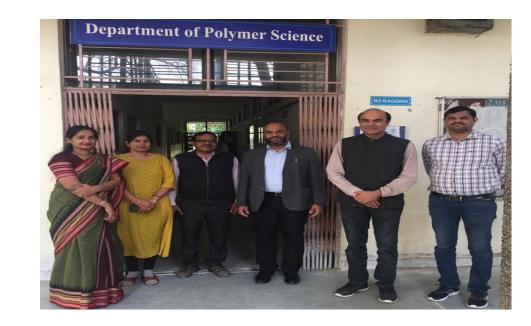
The syllabus is designed in to give ample understandings of theoretical as well as experimental studies of polymer science enabling students to compete at the global level. Students also get opportunity for doing internship in industries and research organizations during their course of study. Further, students are also trained in handling, maintenance and trouble-shooting of various equipments available in the Laboratories. A few noteworthy equipments available in Laboratories are TGA/DTA, FT-IR Spectrometer, Universal Testing Machine, Injection Molding Machine, Two-Roll Mill, Single Screw Extruder, Heat Distortion Temperature apparatus etc.

Admission Eligibility Criteria

An aggregate of 55% or more marks in Physics, Chemistry and Mathematics and 50% or more marks in English at 10+2 level

Faculty Details

S.No	Name of Faculty	Qualifications	Specialization
1)	Dr. S.K. Shukla	Ph.D. (Gorakhpur	Polymer Characterization
		Univ.)	
2)	Dr. Sidhharth Sirohi	Ph.D. (IIT Delhi)	Controlled Polymerization, Composite
,	(Teacher-In-Charge)		Nanomaterials & Nanofibres
3)	Susmita Dey Sadhu	Ph.D. (IIT	Rubber Technology
,		Kharagpur)	



Semester-wise distribution of Courses under CBCS (Revised)					
SEMESTER I		SEMESTER II			
C1	Introduction to Polymer Science	C3	Polymer Technology		
C2	Raw Materials of Polymers	C4	Unit Operations		
	English/MIL Communication or				
AECC1	EVS	AECC2	EVS or English/MIL Communication		
GE1	Generic Elective	GE2	Generic Elective		
	SEMESTER III	SEMESTER IV			
C5	Polymer Rheology	C8	Polymer Processing & Mold Design		

Information about Department of Polymer Science, BCAS, Dwarka, New Delhi 75. Any information given here is subjected to change as per the guidelines of DU as and when received

Department of Polymer Science, BCAS, Dwarka

C6	Dolu	mar Additivas		С9	Polymer Testing	
C0 C7	2	Polymer Additives Polymer Degradation		C10	Recycling and Waste Management	
	Skill-Enhancement Electiv		<i>IP</i>		Recycling and waste Management	
SEC1	Course			SEC2	Skill-Enhancement Elective Course	
GE3		Generic Elective		GE4	Generic Elective	
	SEMESTER V				SEMESTER VI	
C11	Polymer Characterization			C13	Polymer Blends and Composites	
C12	Specialty Polymers			C14	Fibre Science and Rubber Technolog	
DSE1	Discipline Specific Elective			DSE3	Discipline Specific Elective	
DSE2	Discipline Specific Elective			DSE4	Discipline Specific Elective	
Abbrev	iatio	ns used for Cou	rse			
С		Core Course				
AECO	AECC Ability Enhancemen			t compulsary Course		
GE		Generic Elective cou				
SEC		Skill Enhancement				
DSE		Discipline Specific I	Elective	course		
	ill-Enł	nancement Elective	SEC1: Biopolymers			
Courses			SEC2: Estimation of Polymers and Polymeric Compounds			
· · · · · ·		per semester in				
semesters	semesters 3rd and 4th		SEC 3: Wire and Cable Technology			
			SEC4: Footwear Technology			
DEE. D			DSE 1: Conducting Polymers			
	-	ne Specific Elective per semester in	DSE2 : Fibre Manufacturing Technology			
semester		•	DSE3 : Paints, Coatings and adhesives			
			DSE4:	Polymeric Nand	omaterials	
			DSE5: Tyre Technology			
			DSE6 : Packaging Technology			
				DSE7 : Fabrication of Polymeric products		
			DSE8 :Polymer in Biomedical Applications			
			DSE9: Dissertation			
(any on	ie pape	eric Electives er per semester in rs 1st to 4th.	GE1: Chemistry of Polymers (for academic year 202-21)			

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Category wise seat distribution						
Total Seats	UR	SC	ST	OBC	EWS	
59	24	9	4	16	6	

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