CHANDIGARH UNIVERSITY
Discover. Learn. Empower.

Program Schemes for [B. Pharmacy Lateral entry (BP203)]

Cluster: **Health and Allied Sciences** Institute: **UIPS** Department: **Pharmacy**

Type of Program: **UG**

Second Year				Third Year			
	Course Name	**Course Category**	**Credits**		**Course Name**	**Course Category**	**Credits**
Semester-3	Pharmaceutical Organic Chemistry-II	Major Core	4	**Semester -5**	Medicinal Chemistry-II	Major Core	4
	Physical Pharmaceutics-I	Major Core	4		Industrial Pharmacy-I	Ability Enhancement	4
	Pharmaceutical Microbiology	Ability Enhancement	4		Pharmacology- II	Major Core	4
	Pharmaceutical Engineering	Skill Enhancement	4		Pharmacognosy and Phytochemistry-II	Major Core	4
	Pharmaceutical Organic Chemistry-II Lab	Major Core	2		Pharmaceutical Jurisprudence	Major Core	4
	Physical Pharmaceutics-I Lab	Major Core	2		Industrial Pharmacy-I Lab	Ability Enhancement	2
	Pharmaceutical Microbiology Lab	Ability Enhancement	2		Pharmacology- II Lab	Major Core	2
	Pharmaceutical Engineering Lab	Skill Enhancement	2		Pharmacognosy and Phytochemistry-II Lab	Major Core	2
	Entrepreneurship	Ability Enhancement-UC	1		Environmental Science, Waste and Disaster Management	Ability Enhancement-UC	2
	General Proficiency -3	Ability Enhancement-GP	1		Elective-1	Ability Enhancement	1
Semester-4	Pharmaceutical Organic Chemistry- III	Major Core	4	**Semester-6**	Medicinal Chemistry- III	Major Core	4
	Medicinal Chemistry-I	Major Core	4		Pharmacology- III	Major Core	4
	Physical Pharmaceutics-II	Major Core	4		Herbal Drug Technology	Ability Enhancement	4
	Pharmacology-I	Major Core	4		Biopharmaceutics and Pharmacokinetics	Major Core	4
	Pharmacognosy and Phytochemistry-I	Major Core	4		Quality Assurance	Skill Enhancement	4
	Medicinal Chemistry-I Lab	Major Core	2		Pharmaceutical Biotechnology	Ability Enhancement	4
	Physical Pharmaceutics-II Lab	Major Core	2		Medicinal Chemistry- III Lab	Major Core	2
	Pharmacology-I Lab	Major Core	2		Pharmacology-III Lab	Major Core	2
	Pharmacognosy and Phytochemistry-I Lab	Major Core	2		Herbal Drug Technology Lab	Ability Enhancement	2
	Universal Human Values, Ethics and Life Skills-2	Major Core	2				
	Gender Equity and Women Empowerment	Major Core	1				

Fourth Year			
	Course Name	**Course Category**	**Credits**
Semester-7	Instrumental Methods of Analysis	Skill Enhancement	4
	Industrial Pharmacy-II	Ability Enhancement	4
	Pharmacy Practice	Major Core	4
	Novel Drug Delivery Systems	Major Core	4
	Instrumental Methods of Analysis Lab	Major Core	2
	Practice School	Industrial Training	6
	Open elective- I	Elective	3
	Professional Soft Skills	Ability Enhancement	1
Semester-8	Biostatistics and Research Methodology	Ability Enhancement	4
	Social and Preventive Pharmacy	Core	4
	Project Work	Project	6
	Domain Aptitude	Skill Enhancement	2
	Elective-2	Major Elective	4
	Elective-3	Major Elective	4

Elective-1			
Semester	**Course Name**	**Course Category**	**Credits**
5	Pharmaceutical Quality Control	Ability Enhancement	1
	Product Formulation and Design	Ability Enhancement	
	Patient Counselling and Documentation	Ability Enhancement	

Elective-2			
Semester	**Course Name**	**Course Category**	**Credits**
8	Pharmaceutical Marketing Management	Major Elective	4
	Quality Control and Standardizations of Herbals	Major Elective	
	Computer Aided Drug Design	Major Elective	
	Cell and Molecular Biology	Major Elective	
	Cosmetic Science	Major Elective	

Elective-3			
Semester	**Course Name**	**Course Category**	**Credits**
8	Pharmaceutical Regulatory Science	Major Elective	4
	Pharmacovigilance	Major Elective	
	Experimental Pharmacology	Major Elective	
	Advanced Instrumentation Techniques	Major Elective	
	Dietary Supplements and Nutraceutical	Major Elective	
	AI-ML in Pharmaceuticals	Major Elective	