

SUMMARY OF COURSES OFFERED

PRINCIPAL SUBJECT AREA

CHEMISTRY

100 LEVEL - CHEMISTRY					
Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
CH 101	Principles of Chemistry I	3		√	√
CH 102	Principles of Chemistry II	3	CH 101	√	√
CH 108	Elementary Chemistry Laboratory I	1		√	√
CH 109	Elementary Chemistry Laboratory II	1	CH 108	√	√
	Total	8			

200 LEVEL – CHEMISTRY					
Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
CH 211	Inorganic Chemistry I	2	CH 101, CH 102	√	√
CH 212	Inorganic Chemistry II	1	CH 211		√
CH 218	Inorganic Chemistry Laboratory I	1	CH 108, CH 211	√	√
CH 221	Organic Chemistry I	2	CH 101, CH 102	√	√
CH 222	Introductory Organic Synthesis	1	CH 221		√
CH 228	Organic Chemistry Laboratory I	1	CH 109, CH 221	√	√
CH 231	Physical Chemistry I	2	CH 101, CH 102	√	√
CH 232	Molecular Properties, Molecular spectroscopy and Spectroscopic Instrumentation	1	CH 231		√
CH 238	Physical Chemistry Laboratory I	1	CH 231	√	√
	Total	12			

300 LEVEL – CHEMISTRY					
Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
CH 316	Special Topics in Inorganic Chemistry	2	CH 211		
CH 317	Advanced Inorganic Chemistry	3	CH 211		√
CH 319	Advanced Inorganic Chemistry Laboratory	2	CH 218		√
CH 321	Chemistry of Biomolecules	1	CH 221		√
CH 324	Organic Chemistry II	2	CH 221, CH 222		√
CH 326	Advanced Organic Chemistry I	2	CH 221		
CH 328	Organic Chemistry Laboratory II	1	CH 228	√	
CH 329	Advanced Organic Chemistry Laboratory	2	CH 228		√
CH 330	Advanced Physical Chemistry I	3	CH 232, CH 331		√
CH 331	Physical Chemistry II	2	CH 231	√	√
CH 332	Physical Chemistry III	1	CH 231		√
CH 338	Physical Chemistry Laboratory II	1	CH 238	√	
CH 339	Advanced Physical Chemistry Laboratory II	2	CH 238		√
CH 341	Analytical Chemistry	3	CH 231		√
CH 342	Computer Applications and Instrumentation	2	CH 231		√
CH 348	Analytical and Inorganic Chemistry Laboratory	1	CH 218	√	
CH 351	Biological Chemistry I	2	CH 321		√
CH 361	Environmental Chemistry	3	CH 211, CH 221		
CH 369	Industrial Training	1			√
CH 371	Industrial Chemistry	3	CH 221, CH 231		

	Total	39			
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400 LEVEL – CHEMISTRY					
Course Number	Course Title	No. of Credits	Pre-requisites	Compulsory	
				General Degree	Special Degree
CH 411	Advanced Radio Chemistry	1	CH 211, CH 212		
CH 414	Bioinorganic Chemistry	1	CH 211		
CH 416	Advanced Inorganic Chemistry II	2	CH 317		√
CH 417	Topics in Solid State Chemistry	2	CH 211		√
CH 424	Special topics in Organic Chemistry	1	CH 221, CH 326		
CH 425	Advanced Organic Chemistry II	3	CH 324, CH 326		√
CH 426	Natural Product Chemistry	3	CH 324		√
CH 435	Advanced Physical Chemistry II	2	CH 331		√
CH 436	Advanced Physical Chemistry III	2	CH 331		√
CH 437	Modern Topics in Physical Chemistry	2	CH 330		
CH 438	States of Matter	2	CH 317, CH 330		
CH 443	Advanced Analytical Chemistry	3	CH341		√
CH 448	Analytical /Instrumental Chemistry Laboratory	1	CH 443		√
CH 455	Biological Chemistry II	2	CH 351		√
CH 456	Proteins	1	CH 321		
CH 458	Biological Chemistry Laboratory	1	CH351		
MB 416	Environmental Biotechnology	2			
MB 421	Fermentation Technology	2			
CH 491	Seminar	1			√
CH 492	General Aspects and Recent Developments in Chemistry	1			√
CH 499	Research Project	6			√
	Total	41			