

Point Loma Nazarene University		LO 1	LO 2	LO 3	LO 4	LO 5
Chemistry B.S. Curriculum Map		Students will demonstrate a foundational knowledge of the principles of physical, analytical, and inorganic chemistry, including the structure of matter, fundamental chemical reactions, and the factors that regulate such processes.	Students will demonstrate facility with basic concepts and reactions of organic and biochemistry.	Students will demonstrate an understanding of the basic techniques of chemical investigation and the fundamental principles and operating procedures of the major instruments used in chemical characterization and analysis	Students will participate in the life of the Chemistry Department by involvement in SAACS and/or in various positions of responsibility such as graders, tutors, and teaching assistants.	Students will develop career goals and define a path by which to achieve these goals
		Course	Course Title			
LOWER-DIVISION REQUIREMENTS		P A I				
CHE 151	General Chemistry Tutorial (<i>can be waived</i>)	I I I				
CHE 152	General Chemistry I	I I I		I		
CHE 153	General Chemistry II	I I I		I		
CHE 213	Analytical Chemistry	D D		D		
CHE 294	Organic Chemistry I		I	I		
UPPER-DIVISION REQUIREMENTS						
CHE 304	Organic Chemistry II		D	D		
CHE 325	Physical Chemistry I	M		M		
CHE 326	Physical Chemistry II	M				
CHE 327	Physical Chemistry II Lab			M		
CHE 351	Organic Qualitative Analysis		M			
CHE 370	Instrumental Analysis	M		M		
CHE 450	Advanced Biochemistry		M	M		
CHE 453	Advanced Organic Chemistry		M			
CHE 454	Advanced Organic Chemistry Lab		M	M		
CHE 466	Advanced Inorganic Chemistry I		M			
CHE 467	Advanced Inorganic Chemistry Lab			M		

CHE 468	Advanced Inorganic Chemistry II				M			
CHE 495	Chemistry Seminar	M	M	M	M			
RECOMMENDED								
CHE 499	Chemistry Research	M	M	M	M	M		
OTHER ACTIVITIES								
Faculty Advising (required for registration clearance)								I, D, M
Pre-Health Advising								D, M
Pre-Teaching Advising								D, M
Participation in SAACS and/or as a grader, TA, or tutor							I, D, M	D, M
Undergraduate Research and Internships								D, M
Post-baccalaureate Path								M