

John Carroll University Chemistry Department

B.S. Chemistry (3+3 Law Program at CWRU) Study Plan

First Year

Fall Semester	Credits	Major	Core	Other	Spring Semester	Credits	Major	Core	Other
CH141 General Chemistry 1*	4	X			CH142 General Chemistry II*	4	X		
CH143 General Chemistry Lab I*	1	X			CH144 General Chemistry Lab II*	1	X		
MT135 Calculus / Analytic Geometry I	4	X			MT136 Calculus / Analytic Geometry II	4	X		
EN125 Seminar on Academic Writing	3		X		COMM125 Speech Communications	3		X	
PH125 General Physics I	3	X			PH126 General Physics II	3	X		
PH126 General Physics Lab I	1	X			PH126L General Physics Lab II	1	X		
Total Credit Hours	16				Total Credit Hours	16			

Second Year

Fall Semester	Credits	Major	Core	Other	Spring Semester	Credits	Major	Core	Other
CH221 Organic Chemistry I	3	X			CH222 Organic Chemistry II	3	X		
CH223 Organic Chemistry Lab I	1	X			CH224 Organic Chemistry Lab II	1	X		
Philosophy Values/Society (PLVS)	3		X		CH261 Analytical Chemistry	3	X		
TRS Course	3		X		CH263 Analytical Chemistry Lab (QA)	1	X	X	
Engaging the Global Community (EGC)	3		X		Philosophy Knowledge/Reality (PLKR)	3		X	
Language Requirement	3		X		TRS Course	3		X	
					Language Requirement	3		X	
Total Credit Hours	16				Total Credit Hours	17			

Third Year

Fall Semester	Credits	Major	Core	Other	Spring Semester	Credits	Major	Core	Other
CH363 Physical Chemistry I	3	X			CH366 Physical Chemistry II	3	X		
CH367 Physical Chemistry I Lab	2	X			CH478 Chemistry Seminar	0	X		
CH Elective	3	X			Humanities Course	3		X	
CH441 Instrumental Analysis	3	X			Creative and Performing Arts (CAPA)	1-3		X	
CH443 Instrumental Analysis Lab	1	X			Linked Pair of Courses	6		X	
Social Science Course	3		X		Issue in Social Justice Course (ISJ)	3		X	
Total Credit Hours	15				Total Credit Hours	16			

If you are planning to attend graduate school, take the GRE in summer and begin submitting applications this fall.

Total of 96 credits. 24 cr Transfer back to JCU from Partner School

Notes:

* Well prepared students may substitute the CH141-144 sequence with CH151/153 - Chemical Principles and Lab in the Fall Semester

** CH443 will satisfy the Core Requirements for Capstone, Advanced Writing, and Oral Presentation within the major (CAP, AW,OP)

*Please consult your academic advisor to address specific needs of your major, minor, and/or concentration.