

John Carroll University Chemistry Study Plan

LECOM/Dental with Chemistry Major

1st yr

Fall	16 cr total	Spring	16 cr total
4 cr CH141 General Chemistry I		4 cr CH142 General Chemistry II	
1 cr CH143 General Chemistry Laboratory I		1 cr CH144 General Chemistry Laboratory II	
4 cr MT135 Calculus and Analytic Geometry I		4 cr MT136 Calculus & Analytic Geometry II	
3 cr EN125		3 cr CO125	
3 cr. BL155 Principles of Biology 1		3 cr. BL156 Principles of Biology 2	
1 cr. BL157 Principles of Biology 1 Lab		1 cr BL158 Principles of Biology Lab. II	

2nd yr

Fall	18 cr total	Spring	18 cr total
3 cr CH221 Organic Chemistry I		3 cr CH222 Organic Chemistry II	
1 cr CH223 Organic Chemistry Laboratory I		1 cr CH224 Organic Chemistry Laboratory II	
3 cr PH125 General Physics I		3 cr CH261 Analytical Chemistry (QA)	
1 cr PH125L General Physics Laboratory I		1 cr CH263 Analytical Chemistry Laboratory	
3 cr Foreign Language Requirement		3 cr PH126 General Physics II	
3 cr Engaging the Global Community		1 cr PH126L General Physics Laboratory II	
1 cr Creative Arts Requirement		3 cr Foreign Language Requirement	
3 cr TRS Course		3 cr PLKR Course	

3rd yr

Fall	18 cr total	Spring	19 cr total*
3 cr CH361 Introduction to Physical Chemistry		1 cr CH399A Undergraduate Research	
2 cr CH367 Physical Chemistry Laboratory I		0 cr CH478B Chemistry Seminar	
3 cr CH441 Instrumental Analysis		3 cr EC101/201	
2 cr CH443 Instrumental Analysis Laboratory		3 cr PLVS Course	
0 cr CH478A Chemistry Seminar		6 cr Linked Pair of Courses	
2 cr CH399A Undergraduate Research		3 cr TRS Course	
3 cr Introduction to Humanities		3 cr PS100 (ISJ)	
3 cr Introduction to Social Sciences			

Total of 105 credits

15 cr Transferred back to JCU from Partner School

Chemistry	3 cr total	Other	12 cr total
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Required by partner school *Required by JCU major* Elective or required by JCU core

In general, timing of all core classes indicated here can be changed. However EN125 must be taken prior to enrolling in a linked pair of courses.

*Going beyond 18 credits in a semester incurs a fee per credit hour.