

John Carroll University Chemistry Study Plan

LECOM/Dental with Chemistry Major-Biochemistry

1st yr

Fall	17 cr total	Spring	19 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 I		3 cr BL156 Principles of Biology II	
1 cr BL157 Principles of Biology Laboratory I		1 cr BL158 Principles of Biology Lab. II	
		3 cr TRS Course	
1 cr Creative Arts Requirement			

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 PS 100 (ISJ)		3 cr CH261 Analytical Chemistry (QA)	
4 cr BL213 Genetics[†]		1 cr CH263 Analytical Chemistry Laboratory	
3 cr PH125 General Physics I		3 cr PH126 General Physics II	
1 cr PH125L General Physics Laboratory I		1 cr PH126L General Physics Laboratory II	
3 cr TRS Course		6 cr Linked Pair of Courses	

3rd yr

Fall	18 cr total	Spring	18 cr total
3 cr CH361 Introduction to Physical Chemistry		3 cr CH436 Biochemistry II	
2 cr CH367 Physical Chemistry Laboratory I		0 cr CH478B Chemistry Seminar	
3 cr CH435 Biochemistry I		3 cr Foreign Language Requirement	
1 cr CH437 Biochemistry Laboratory		3 cr PLVS Course	
0 cr CH478A Chemistry Seminar		3 cr Engaging the Global Community	
3 cr CH Elective		3 cr Introduction to Humanities	
3 cr PLKR Course		3 cr Introduction to Social Sciences	
3 cr Foreign Language Requirement			

Total of 108 credits

12 cr Transferred back to JCU from Partner School

CH or BL Elective	3 cr total	Other	9 cr total
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Required by partner school *Required by JCU major* Elective or required by JCU core

[†]BL213 is NOT required, but is often taken and is required for students planning to take the Medical College Aptitude Test (MCAT). If it is not taken another CH or BL elective is required.

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.

** This does not have room for a Capstone experience.