

Course	Name	Prerequisite	Credits	Semester in sequence	Type	Comments
QUIM 3001	General Chemistry I	MATE 3018 or MATE 3172	4	1	Requisite	This course must be approved with an A or B in order to take QUIM 3255 or QUIM 3451 and to obtain the bachelors degree in Chemistry.
QUIM 3002	General Chemistry II	QUIM 3001	4	2	Requisite	This course must be approved with an A or B in order to take QUIM 3255 or QUIM 3451 and to obtain the bachelors degree in Chemistry.
QUIM 3015	Organic CHEM Compendium	QUIM 3002	4	Does not apply	Does not apply	Required course for students of the Nutrition and Dietetics Program.
QUIM 3031	Organic Chemistry I "NON-MAJORS"	QUIM 3002	4	Does not apply	Does not apply	This course could substitute for QUIM 3451 if the student obtains an A or B and takes QUIM 4025. This exception is only made for students who were not originally classified in Chemistry and who took Q3031 as a requirement of their original program.
QUIM 3032	Organic Chemistry II "NON-MAJORS"	QUIM 3031 or QUIM 3451	4	Does not apply	Does not apply	This course could substitute for QUIM 3452 if the student obtains an A or B and takes QUIM 4025. This exception is only made for students who were not originally classified in Chemistry and who took Q3032 as a requirement of their original program.
QUIM 3255	Chemical Analysis	QUIM 3002	4	5 or 3	Requisite	
QUIM 3451	Organic Chemistry I	QUIM 3002	4	3 or 5	Requisite	
QUIM 3452	Organic Chemistry II	QUIM 3451	4	4 or 6	Requisite	
QUIM 4000	Inorganic Chemistry	QUIM 4041	3	7 or 8	Requisite	
QUIM 4015	Instrumental Analysis	QUIM 3255 or QUIM 3025	4	6 or 4	Requisite	
QUIM 4025	Spectroscopy	QUIM 3452 or QUIM 3032	3	Does not apply	Guided Elective	
QUIM 4035	Organic Synthesis	QUIM 3452 or QUIM 3032	3	Does not apply	Guided Elective	
QUIM 4041	Physical Chemistry I	QUIM 3255 & QUIM 3452 & FISI 3012 & MATE 3152	3	7	Requisite	
QUIM 4042	Physical Chemistry II	QUIM 4041, MATE 4995	3	8	Requisite	
QUIM 4043	Intermediate Laboratory I	QUIM 4041 or concurrente	2	7	Requisite	
QUIM 4044	Intermediate Laboratory II	QUIM 4042 or concurrente	2	8	Requisite	
QUIM 4055	BioChemistry	QUIM 3452 or QUIM 3032	3	5 or 7	Requisite	
QUIM 4117	Chemistry Tutoring	QUIM 3001 or concurrent	1	Does not apply	Guided Elective	
QUIM 4865	Biochemical Techniques	QUIM 3255 & QUIM 3452	2	Does not apply	Guided Elective	
QUIM 4999	Undergraduate Research	QUIM 3001	1 a 3	Does not apply	Guided Elective	A maximum of four credits are counted as guided electives. Six credits may be taken in total, but the two credits in excess of four are counted as a free elective.

QUIM 5995 SEC 013	Green Chemistry	QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 022	Persuasive Writing	INGL (First Year)	2	Does not apply	Free Elective	
QUIM 5995 SEC 023	Medicinal Chemistry	QUIM 3452 or QUIM 3032	3	Does not apply	Guided Elective	Given the high demand for this course, it is open primarily to Chemistry students. Students from other programs must apply for the course directly at the Chemistry Department, this is subject to space and availability.
QUIM 5995 SEC 043	Environmental Chemistry	QUIM 3451	3	Does not apply	Guided Elective	
QUIM 5995 SEC 053	Evolution of Chemistry	QUIM 3255 & QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 063	Forensic Chemistry	QUIM 3255 & QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 073	Forensic Chemistry Techniques	QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 083	Metals in Medicine	QUIM 3452	3	Does not apply	Guided Elective	This section previously corresponded to the Industrial Chemistry course
QUIM 5995 SEC 093	Nucleic Acids	QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 103	Management of Bibliographic Information Resources	QUIM 3255 & QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 113	Energy Alternatives and Electrochemical Sensors	QUIM 3255	3	Does not apply	Guided Elective	
QUIM 5995 SEC 123	Nanochemistry	QUIM 3255 & QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 133	Bioinorganic Chemistry	QUIM 4055	3	Does not apply	Guided Elective	
QUIM 5995 SEC 143	Supramolecular Chemistry	QUIM 3452/3032	3	Does not apply	Guided Elective	
QUIM 5995 SEC 153	Topics in Biological Chemistry	QUIM 3452/3032 (with A or B)	3	Does not apply	Guided Elective	
QUIM 5995 SEC 032	Inorganic Chemistry Laboratory	QUIM4000	2	Does not apply	Guided Elective	
QUIM 5995 SEC 233	Chemistry Materials: Aerospace Applications	QUIM 3452	3	Does not apply	Guided Elective	
QUIM 5995 SEC 243	Natural Medicinal Products	QUIM 3452	3	Does not apply	Guided Elective	