



University of New Haven

SAMPLE FOUR YEAR PLAN BS IN CHEMISTRY

Study Abroad Option

The curriculum in our degree program is structured so that students move through classes in a prescribed order. Prerequisites are important and are strongly enforced. This is a sample plan for completing this degree in eight semesters, including one semester abroad. Students are not limited to this plan; it is meant to be used as a guide for planning purposes. Meet with your advisor as soon as you can to discuss a plan of action that works best for you.

**Chemistry is administered jointly by the College of Arts & Sciences and the Tagliatela College of Engineering. Chemistry students have the opportunity to study abroad with the engineering cohort during the spring of their first year.*

FIRST YEAR					
Fall			Spring		
CC 1.1	ENGL 1112/3 Sem Acad Inquiry♦	3	CC 2.1	COMM 1130 Communication	3
CC 4.1	CHEM 1115 General Chemistry I♦	3	MR	CHEM 1116 General Chem II♦	3
CC 4.1	CHEM 1117 General Chem I Lab	1	MR	CHEM 1118 General Chem II Lab	1
CC 3.2	MATH 1117 Calculus I♦	4	CC 3.2	MATH 1118 Calculus II♦	4
CC 5.1	UNIV 1141 Life on Earth	3	CC 8.1	Global&Intercultural Awareness	3
	Total Credits this semester	14		Total Credits this semester	14

SECOND YEAR					
Fall			Spring		
MR	CHEM 2201 Organic Chemistry I♦	3	MR	CHEM 2202 Organic Chem II♦	3
MR	CHEM 2203 Organic Chem I Lab	1	MR	CHEM 2204 Organic Chem II Lab	1
MR	CHEM 2211 Quantitative Anly w/lab♦	4	MR	CHEM 2221 Instrum Methods w/I♦	4
CC 3.2	MATH 2203 Calculus III♦	4	MR	PHYS 2205 Electromg&Opt w/I♦	4
CC 3.1	PHYS 1150 Mech/Heat/Waves w/I♦	4		Elective	3
	Total Credits this semester	16		Total Credits this semester	15

THIRD YEAR					
Fall			Spring		
MR	CHEM 3331 Physical Chemistry I♦	3	MR	CHEM 3332 Physical Chem II♦	3
MR	CHEM 3333 Physical Chem I Lab	1	MR	CHEM 3334 Phys Chem II Lab	1
MR	CHEM 3341 Synthetic Methods♦	4	MR	Advanced Chemistry Elective	3
	Elective	3	CC 6.1	Historical Perspectives	3
MR	BIOL 4461 Biochemistry	3	CC 7.1	The Individual and Society	3
MR	BIOL 4462 Biochem Lab (ACS)	1		Technical Elective	3
	Total Credits this semester	15		Total Credits this semester	16

FOURTH YEAR					
Fall			Spring		
MR	CHEM 4411 Chemical Literature♦	1	MR	CHEM 4412 Semina♦	1
MR	CHEM 4501 Adv Organic Chem♦	3	MR	CHEM 4592/3 Thesis or CH/CM♦	3
MR	Advanced Chemistry Elective	3	MR	CHEM 4521 Adv Inorganic Chem♦	3
CC 9.1	Perspectives on Creative Arts	3		MATH 2228/CSCI 1110/EASC 1112	3
	Technical Elective	3		Technical Elective	3
	Elective	3		Elective	3
				Total Credits this semester	16

Every student must complete a course that has been designated as satisfying Writing Across the Curriculum constraints

Minimum Total Credits: 121-123

Courses that do not count as electives or for graduation (included in GPA):	
ENGL 1103 English Fundamentals	3
MATH 1103 Math Fundamentals	3
MATH 1110 College Algebra♦	3
MATH 1115 Pre-Calculus♦	3

Code	
CC	Required University Core Competency - see advisor for selection
MR	Major Requirement - Minimum 2.00 QPR
♦	This course has a prerequisite