Department of Chemistry & Biochemistry Northern Kentucky University

		Chemistry, Pharmaceutical S Fall Semester		Spring Semester	
	FIRST YEAR		4		
•	Meet with freshman	CHE 120/L General	4	CHE 121/L General	4
	specialist; map personal	Chemistry I with Lab	4	Chemistry II with Lab	-
	four-year plan.	MAT 129 Calculus I ^a	4	MAT 229 Calculus II ^a	5
•	Make use of student	Gen Ed: Written	3	Gen Ed: Oral	3
	support: tutoring, SI,	Communication		Communication	
	writing center,	BIO 150/L Introductory	4	BIO 151/L Introductory	4
	mathematics lab.	Biology I with Lab		Biology II with Lab	
•	Join student clubs.	CHE 125 Intro to Chem	1		
		and Biochem	4.6		4.6
		70741	16	7074	16
		TOTAL		TOTAL	
	SECOND YEAR	Fall Semester	-	Spring Semester	
•	Meet with your new area-	CHE 310/L Organic	4	CHE 311/L Organic	4
	specific advisor.	Chemistry I with Lab		Chemistry II with Lab	-
•	Investigate summer	PHY 211 General Physics I	4	PHY 213 General Physics	4
	research, co-op or	with Lab ^b		II with Lab ^b	
	internship opportunities.	CHE 340/L Analytical	5	CHE 391W Chemical	3
•	Begin to gain career	Chemistry with Lab		Information and Writing	
	experience appropriate for	Elective	1	Gen Ed Course	3
	goals.			Elective	1
			14		15
		TOTAL		TOTAL	
	THIRD YEAR	Fall Semester	4	Spring Semester	4
•	Work closely with advisor	CHE 482/L Biochemistry I with lab	4	BIO 302/L Microbiology	4
	to fine tune career plans.	Withiub			
•	•	CHE 360 Physical	3	STA 205 Intro to	3
•	Contact professors for letters of		3	STA 205 Intro to Statistical Methods	3
•	Contact professors for	CHE 360 Physical	3		3
•	Contact professors for letters of recommendation.	CHE 360 Physical Chemistry I		Statistical Methods	-
	Contact professors for letters of recommendation. Gather application	CHE 360 Physical Chemistry I ECO 200 Principles of Macroeconomics		Statistical Methods BIO 208/L Human	-
	Contact professors for letters of recommendation.	CHE 360 Physical Chemistry I ECO 200 Principles of		Statistical Methods BIO 208/L Human Anatomy and Physiology	-
	Contact professors for letters of recommendation. Gather application materials, apply early to	CHE 360 Physical Chemistry I ECO 200 Principles of Macroeconomics Gen Ed Course (x2)	3	Statistical Methods BIO 208/L Human Anatomy and Physiology I ^c Gen Ed Course	4
	Contact professors for letters of recommendation. Gather application materials, apply early to	CHE 360 Physical Chemistry I ECO 200 Principles of Macroeconomics Gen Ed Course (x2) TOTAL	3	Statistical Methods BIO 208/L Human Anatomy and Physiology I ^c Gen Ed Course TOTAL	4
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MAJOR: Bachelor of Science in Chemistry, Pharmaceutical Sciences Track

Notes:

^aAlternatively, the calculus requirement can be met by taking Calculus A, B, and C (MAT 128, 227, and 228).

^bAlternatively, University Physics I and II (PHY 220 and PHY 222) may be taken. If these courses are chosen, they can be taken spring/fall or fall/fall; PHY 222 is only offered in the fall, but PHY 220 is offered fall and spring.

^cStudents attending Pharmacy School at the University of Cincinnati should also take BIO 209/L, Human Anatomy and Physiology II, prior to the completion of their third year (either by taking BIO 208/L earlier than indicated or in the summer before they start their fourth year).

All majors should begin their mathematics sequence in order to complete calculus II as soon as possible. All majors should also take the chemistry writing course (CHE 391W) as soon as they complete their first 300 level or above chemistry course (usually CHE 310 or CHE 340), as this course is a prerequisite for many other 300- and 400- level lab courses.

Pre-professional majors should work closely with their advisors to ensure that electives are chosen to meet the entrance requirements of their particular postbaccalaureate programs.

In completing the requirements for the B.S. chemistry-pharmaceutical track degree, students also satisfy general education requirements in communication-written II (CHE 391W), natural sciences (CHE 120 and CHE 120L, PHY 211 or PHY 220) and mathematics (MAT 128 or MAT 129).