



Professional Chemistry (Fall 2021 Start) MAJOR 4-YEAR PLAN 2020-2021 CATALOG

FIRST YEAR				FIRST YEAR			
FALL	SEMESTER			SPRING	SEMESTER		
COURSE	#	TITLE	CREDITS	COURSE	#	TITLE	CREDITS
CHEM	121	General Chemistry I	5	CHEM	122	General Chemistry II	5
ENGL	110	College Composition I	3	ENGL	120	College Composition II	3
MATH	165	Calculus I	4	MATH	166	Calculus II	4
FYE		First-Year Experience Courses	5	BIOL	150	Intro to Cellular Biology	4
				HUM		Humanities Gen Ed	3
TOTAL CREDITS			17	TOTAL CREDITS			19
SECOND YEAR				SECOND YEAR			
FALL	SEMESTER			SPRING	SEMESTER		
COURSE	#	TITLE	CREDITS	COURSE	#	TITLE	CREDITS
CHEM	230	Quantitative Analysis	5	CHEM	342	Organic Chemistry II	5
CHEM	341	Organic Chemistry I	5	MATH	265	Calculus III	4
PHYS	251	University Physics I	5	PHYS	252	University Physics II	5
HIST		History Gen Ed	3	SCI	240	Research Methods	2
				ELECTIVE		Minor/Concentration Elective	3
TOTAL CREDITS			18	TOTAL CREDITS			19
THIRD YEAR				THIRD YEAR			
FALL	SEMESTER			SPRING	SEMESTER		
COURSE	#	TITLE	CREDITS	COURSE	#	TITLE	CREDITS
PHYS	251	University Physics I	5	PHYS	252	University Physics II	5
CHEM	481	Biochemistry I	3	CHEM	482/440	Biochemistry II or Organic Spectroscopy	3
CHEM	480L	Biochemistry Lab	2	CHEM	462	Physical Chemistry II	4
CHEM	461	Physical Chemistry I	4	CHEM	420	Inorganic Chemistry	3
ELECTIVE		Gen Ed Elective	3	ELECTIVE		Minor/Concentration Elective	3
TOTAL CREDITS			17	TOTAL CREDITS			18
FOURTH YEAR				FOURTH YEAR			
FALL	SEMESTER			SPRING	SEMESTER		
COURSE	#	TITLE	CREDITS	COURSE	#	TITLE	CREDITS
CHEM	494	Research Methods	2	CHEM 430	430	Instrumental Analysis	5
MATH	305	Linear Algebra	4	SCI 480	480	Seminar	3
HUM		Humanities Elective	3	CHEM 442	442	Medicinal Chemistry	4
SS ELECTIVE		Social Science Gen Ed	3	SS ELECTIVE		Social Science Gen Ed	3
ELECTIVE		Minor/Concentration Elective	3	ELECTIVE		Minor/Concentration Elective	3
ELECTIVE		Minor/Concentration Elective	3				
TOTAL CREDITS			18	TOTAL CREDITS			18

All courses subject to change.

Total: 144