

CHEMISTRY, BACHELOR OF SCIENCE (BS) / PRE-PHARMACY (DUQUESNE) (3+4)

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
BIOL 104		4
ESAP 101	FIRST Seminar ²	1
MATH 125	Precalculus	4
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 250	Genetics with Lab	4
ENGL 102	Critical Writing	3
MATH 225	Calculus I	4
Hours		15
Second Year		
Fall		
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
CHEM 243	Introduction to Research in Chemistry	1
ENGL 104	Critical Reading	3
MATH 230	Calculus II	4
PHYS 211	General Physics I with Lab	4
Hours		16
Spring		
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
PHIL 140	World Religions	3
PHYS 217	University Physics 2 with Lab	4
PSYC 105	Introduction to Psychology	3
STAT 152	Elementary Statistics I	3
Hours		17
Third Year		
Fall		
CHEM 350	Analytical Chemistry	3
CHEM 351	Analytical Chemistry Lab	1
CHEM 335	Biochemistry I	3
CHEM 336	Biochemistry Laboratory I	1
CHEM 442	Inorganic Chemistry	3

Creative & Aesthetic Inquiry (<https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/>) 3

Hours 14

Spring

CHEM 425	Instrumental Analysis	3
CHEM 426	Instrumental Analysis Laboratory	1
CHEM 452	Physical Inorganic Chemistry Laboratory	1
CHEM 337	Biochemistry II	3
CHEM 338	Biochemistry Laboratory II	1
CHEM 491	Chemistry Seminar	1
CHEM 302 or CHEM 460	Physical Chemistry II or Materials Chemistry	3

Hours 13

Total Hours** 91

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Students are encouraged to take ESAP 101 as a Free Elective.

* Prepare to take PCAT by October, Fall of Sophomore Year.

Major Code: 61DQ

UCC 02.02.2021

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**** This document is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.**