

CURRICULUM GUIDE FOR CHEMISTRY PROGRAM

(This is an example and not all Compass courses are listed or noted.)

BA DEGREE WITH A MAJOR IN CHEMISTRY (STARTING IN FALL OF EVEN NUMBERED YEARS)

34-36 semester hours in Chemistry

3 or 4 semester hours in Pre-Calculus or Calculus I

YEAR 1

FALL	COURSE TITLE	CREDITS
CHEM 110	General Chemistry I + Lab	4
MATH 117 or MATH 225	Pre-calculus with Algebra or Calculus I	3-4
CMPS 101	Compass Navigator First-year	1
CMPS 110	Compass Seminar I: Writing and Speaking	3

SPRING	COURSE TITLE	CREDITS
CHEM 111	General Chemistry II + Lab	4
CMPS 111	Compass Seminar: Research, Writing, and Speaking	3
CHEM 187	Introduction to Research I [^]	1

YEAR 2

FALL	COURSE TITLE	CREDITS
CHEM 221	Organic Chemistry I + Lab	4

SPRING	COURSE TITLE	CREDITS
CHEM 222	Organic Chemistry II + Lab	4

YEAR 3

FALL	COURSE TITLE	CREDITS
CHEM 385	Junior Seminar I: Chemical Literacy	1
	Chemistry Elective*	2-4

SPRING	COURSE TITLE	CREDITS
CHEM 233	Analytical Chemistry + Lab (Odd Spring)	4
CHEM 386	Junior Seminar II: Writing & Ethics	1
	Chemistry Elective*	2-4

YEAR 4

FALL	COURSE TITLE	CREDITS
CMPS 450	Compass Seminar III	3
	Chemistry Elective*	2-4

SPRING	COURSE TITLE	CREDITS
CHEM 499	Chemistry Capstone	1

[^]CHEM 187 is not required but recommended. Students who desire more experience in the lab may choose CHEM 287, Introduction to Research II, after completing CHEM 187.

*8-9 credit hours of Chemistry electives are required.

CHOOSE FROM AMONG THESE ELECTIVES		
CHEM 310	Medicinal Chemistry (Spring Even)	3
CHEM 340	Biochemistry (Every Fall)	4
CHEM 347	Biochemical Methods (Spring Odd)	2
CHEM 435	Molecular Spectroscopy (Fall Even)	2
CHEM 436	Separation Methods (Fall Odd)	2
CHEM 446	Biochemistry II Metabolism (Spring Even)	3

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