

Chemistry, B.S.
(General Track)
College of Science and Mathematics

Year 1 - Fall (16 credits)	Credits	Year 1 - Spring (14 credits)	Credits
MATH 1113 or Higher [A2]	3	MATH 1190: Calculus I [D1]	4
CHEM 1211: General Chemistry I [D2]	3	CHEM 1212: General Chemistry II [D2]	3
CHEM 1211L: General Chemistry I Lab [D2]	1	CHEM 1212L: General Chemistry II Lab [D2]	1
ENGL 1101: Composition I [A1]	3	ENGL 1102: Composition II [A1]	3
Free Elective (1 of 4)	3	Free Elective (2 of 4)	3
General Education – Cultural Perspectives [B2]	3		
Total	16	Total	14
Year 2 - Fall (14 credits)	Credits	Year 2 - Spring (15 credits)	Credits
MATH 2202: Calculus II	4	CHEM 3362: Organic Chemistry II	3
CHEM 3361: Organic Chemistry I	3	CHEM 3362L: Organic Chemistry II Lab	1
CHEM 3361L: Organic Chemistry I Lab	1	PHYS 2211: Principles of Physics I	3
Lower/Upper Division Supporting Discipline (1 of 3)	3	PHYS 2211L: Principles of Physics I Lab	1
POLS 1101: American Government [E1]	3	Upper Division Supporting Discipline (1 of 3)	4
		Free Elective (3 of 4)	3
Total	14	Total	15
Year 3 - Fall (16 credits)	Credits	Year 3 - Spring (14 credits)	Credits
CHEM 2800: Quantitative Analytical Chemistry	3	PHYS 2212: Principles of Physics II	3
CHEM 2800L: Quantitative Analytical Chemistry Lab	1	PHYS 2212L: Principles of Physics II Lab	1
CHEM 3000: Chemical Literature	3	CHEM 3601: Physical Chemistry	3
ECON 1000: Contemporary Economic Issues [B1]	2	CHEM 4310L: Adv. Analytical Chemistry Lab	1
Upper Division Supporting Discipline (2 of 3)	4	Lower/Upper Division Supporting Discipline (2 of 3)	3
General Education – US History [E2]	3	Free Elective (4 of 4)	3
Total	16	Total	14
Year 4 - Fall (16 credits)	Credits	Year 4 - Spring (15 credits)	Credits
CHEM 3500: Biochemistry (or CHEM 3800: Forensic Analytical Chemistry)	3	CHEM 3030 or 4300: Pharmaceutical or Instrumental Analytical Chemistry (or CHEM 3500: Biochemistry)	3
CHEM 3105: Inorganic Chemistry	3	Upper Division Supporting Discipline (3 of 3)	3
CHEM 3105L: Inorganic Chemistry Lab	1	Lower/Upper Division Supporting Discipline (3 of 3)	3
Upper Division Supporting Discipline	3	General Education – Social Sciences [E4]	3
General Education – Arts and Cultures of the World [C2]	3	General Education – Literature of the World [C1]	3
General Education – World History [E3]	3		
Total	16	Total	15

Program Total: 120 Credit Hours

*Recommended General Education Course †Milestone

This academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Missing milestones could delay your program. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. This map is not a substitute for academic advisement. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.

Chemistry, B.S.
(Forensic Track)
College of Science and Mathematics

Year 1 - Fall (16 credits)		Credits	Year 1 - Spring (15 credits)		Credits
MATH 1113 or Higher [A2]	3		MATH 1190: Calculus I [D1]	4	
CHEM 1211: General Chemistry [D2]	3		CHEM 1212: General Chemistry II [D2]	3	
CHEM 1211L: General Chemistry Lab [D2]	1		CHEM 1212L: General Chemistry II Lab [D2]	1	
ENGL 1101: Composition I [A1]	3		BIOL 1107: Principles of Biology	3	
General Education – US History [E2]	3		BIOL 1107L: Principles of Biology Lab	1	
Free Elective (1 of 3)	3		ENGL 1102: Composition II [A1]	3	
Total	16		Total	15	
Year 2 - Fall (15 credits)		Credits	Year 2 - Spring (14 credits)		Credits
MATH 2202: Calculus II	4		CHEM 3362: Organic Chemistry II	3	
CHEM 3361: Organic Chemistry I	3		CHEM 3362L: Organic Chemistry II Lab	1	
CHEM 3361L: Organic Chemistry I Lab	1		CHEM 2800: Quantitative Analytical Chemistry	3	
BIOL 1108: Principles of Biology	3		CHEM 2800L: Quantitative Analytical Chemistry Lab	1	
BIOL 1108L: Principles of Biology Lab	1		CHEM 3000: Chemical Literature	3	
CRJU 1101: Introduction to Criminal Justice	3		STAT 3125: Biostatistics	3	
Total	15		Total	14	
Year 3 - Fall (14 credits)		Credits	Year 3 - Spring (16 credits)		Credits
PHYS 2211: Principles of Physics I	3		PHYS 2212: Principles of Physics II	3	
PHYS 2211L: Principles of Physics I Lab	1		PHYS 2212L: Principles of Physics II Lab	1	
CHEM 3800: Forensic Analytical Chem	3		CHEM 3601: Physical Chemistry	3	
BIOL 3300/L or 3340/L or 3338K	4		CRJU 3320: Criminal Investigation	3	
POLS 1101: American Government [E1]	3		General Education – World History [E3]	3	
			Free Elective (2 of 3)	3	
Total	14		Total	16	
Year 4 - Fall (14 credits)		Credits	Year 4 - Spring (16 credits)		Credits
CHEM 3500: Biochemistry	3		CHEM 4300: Instrumental Analytical Chem	3	
CHEM 3500L: Biochemistry Lab	1		CHEM 4310L: Adv. Analytical Chemistry Lab	1	
CHEM 3105: Inorganic Chemistry	3		CHEM 3398 or 4100: Internship or Research	2	
CHEM 3105L: Inorganic Chemistry Lab	1		General Education – Arts and Cultures of the World [C2]	3	
General Education – Literature of the World [C1]	3		General Education – Social Sciences [E4]	3	
General Education – Cultural Perspectives [B2]	3		ECON 1000: Contemporary Economic Issues [B1]	2	
			Free Elective (3 of 3)	2	
Total	14		Total	16	

Program Total: 120 Credit Hours

*Recommended General Education Course †Milestone

Chemistry, B.S.
(*Pharmaceutical Track*)
College of Science and Mathematics

Year 1 - Fall (16 credits)		Credits	Year 1 - Spring (15 credits)		Credits
MATH 1113 or Higher [A2]	3		MATH 1190: Calculus I [D1]	4	
CHEM 1211: General Chemistry I [D2]	3		CHEM 1212: General Chemistry II [D2]	3	
CHEM 1211L: General Chemistry I Lab [D2]	1		CHEM 1212L: General Chemistry II Lab [D2]	1	
ENGL 1101: Composition I [A1]	3		BIOL 1107: Principles of Biology I	3	
Free Elective (1 of 2)	3		BIOL 1107L: Principles of Biology I Lab	1	
General Education – Cultural Perspectives [B2]	3		ENGL 1102: Composition II [A1]	3	
Total	16		Total	15	
Year 2 - Fall (15 credits)		Credits	Year 2 - Spring (14 credits)		Credits
MATH 2202: Calculus II	4		CHEM 3362: Organic Chemistry II	3	
CHEM 3361: Organic Chemistry I	3		CHEM 3362L: Organic Chemistry II Lab	1	
CHEM 3361L: Organic Chemistry I Lab	1		PHYS 2211: Principles of Physics I	3	
BIOL 1108: Principles of Biology II	3		PHYS 2211L: Principles of Physics I Lab	1	
BIOL 1108L: Principles of Biology II Lab	1		STAT 3125: Biostatistics	3	
General Education – US History [E2]	3		POLS 1101: American Government [E1]	3	
Total	15		Total	14	
Year 3 - Fall (17 credits)		Credits	Year 3 - Spring (14 credits)		Credits
CHEM 2800: Quantitative Analytical Chemistry	3		PHYS 2212: Principles of Physics II	3	
CHEM 2800L: Quantitative Analytical Chemistry Lab	1		PHYS 2212L: Principles of Physics II Lab	1	
CHEM 3000: Chemical Literature	3		CHEM 3601: Physical Chemistry	3	
BIOL 2221: Anatomy & Physiology I	3		BIOL 2222: Anatomy & Physiology II	3	
BIOL 2221L: Anatomy & Physiology I Lab	1		BIOL 2222L: Anatomy & Physiology II Lab	1	
General Education – Social Sciences [E4]	3		General Education – Literature of the World [C1]	3	
Free Elective (2 of 2)	3				
Total	17		Total	14	
Year 4 - Fall (14 credits)		Credits	Year 4 - Spring (16 credits)		Credits
CHEM 3010: Medicinal Chemistry	3		CHEM 3030: Pharmaceutical Analytical Chem	3	
CHEM 3105: Inorganic Chemistry	3		CHEM 4310L: Adv. Analytical Chemistry Lab	1	
CHEM 3105L: Inorganic Chemistry Lab	1		Upper Division Supporting Discipline (2 of 2)	4	
CHEM 3500: Biochemistry	3		General Education – World History [E3]	3	
CHEM 3500L: Biochemistry Lab	1		General Education – Arts and Cultures of the World [C2]	3	
Upper Division Supporting Discipline (1 of 2)	3		ECON 1000: Contemporary Economic Issues [B1]	2	
Total	14		Total	16	

Program Total: 120 Credit Hours

*Recommended General Education Course †Milestone

Chemistry, B.S.
(Professional Track)
College of Science and Mathematics

Year 1 - Fall (16 credits)	Credits	Year 1 - Spring (14 credits)	Credits
MATH 1113 or Higher [A2]	3	MATH 1190: Calculus I [D1]	4
CHEM 1211: General Chemistry [D2]	3	CHEM 1212: General Chemistry II [D2]	3
CHEM 1211L: General Chemistry Lab [D2]	1	CHEM 1212L: General Chemistry II Lab [D2]	1
ENGL 1101: Composition I [A1]	3	ENGL 1102: Composition II [A1]	3
Free Elective (1 of 4)	3	POLS 1101: American Government [E1]	3
General Education – Cultural Perspectives [B2]	3		
Total	16	Total	14
Year 2 - Fall (16 credits)	Credits	Year 2 - Spring (15 credits)	Credits
MATH 2202: Calculus II	4	CHEM 3362: Organic Chemistry II	3
CHEM 3361: Organic Chemistry I	3	CHEM 3362L: Organic Chemistry II Lab	1
CHEM 3361L: Organic Chemistry I Lab	1	PHYS 2212: Principles of Physics II	3
CHEM 2800: Quantitative Analytical Chemistry	3	PHYS 2212L: Principles of Physics II Lab	1
CHEM 2800L: Quantitative Analytical Chemistry Lab	1	MATH 2203: Calculus III	4
PHYS 2211: Principles of Physics I	3	Free Elective (2 of 4)	3
PHYS 2211L: Principles of Physics I Lab	1		
Total	16	Total	15
Year 3 - Fall (15 credits)	Credits	Year 3 - Spring (15 credits)	Credits
CHEM 3601: Physical Chemistry I	3	CHEM 3602: Physical Chemistry II	3
CHEM 3601L: Physical Chemistry I Lab	1	CHEM 3602L: Physical Chemistry II Lab	1
CHEM 3000: Chemical Literature	3	Upper-Division Science or Math Elective	3
Supporting Discipline Elective	3	General Education – Literature of the World [C1]	3
Supporting Discipline Elective	2	ECON 1000: Contemporary Economic Issues [B1]	2
General Education – US History [E2]	3	Free Elective (3 of 4)	3
Total	15	Total	15
Year 4 - Fall (14 credits)	Credits	Year 4 - Spring (15 credits)	Credits
CHEM 3500: Biochemistry	3	CHEM 4300: Instrumental Analytical Chem	3
CHEM 3500L: Biochemistry Lab	1	CHEM 4310L: Adv. Analytical Chemistry Lab	1
CHEM 3105: Inorganic Chemistry	3	Upper-Division CHEM Elective	3
CHEM 3105L: Inorganic Chemistry Lab	1	CHEM 3398 or 4100: Internship or Research	2
General Education – World History [E3]	3	General Education – Social Sciences [E4]	3
General Education – Arts and Cultures of the World [C2]	3	Free Elective (4 of 4)	3
Total	14	Total	15

Program Total: 120 Credit Hours

*Recommended General Education Course †Milestone