Chemistry with MFS Option/ BS Degree

Suggested Course Sequence

For students entering the major in catalog year 2023-24

SEIVIESTEK	EALL 2022		SDDINC 2024	
SEMESTER	FALL 2023		SPRING 2024	
	INT 100 Principles of Academic Integrity	0	FSCI 101 Survey of Forensic Sciences	3
	FYS 100 First Year Seminar	1	Communication Intensive (CI)	3
	ENG 151 College Writing I	3	ENG 152 College Writing II	3
	MATH 220 Calculus I Quantitative Literacy (QL) CHEM 114 General Chem I with Problem Solving or CHEM 115 General Chem I and CHEM 115L General Chem I Laboratory and CHEM 115S General Chem I SoLVE	4	CHEM 116 General Chemistry II CHEM 116L General Chemistry II Laboratory &	
	Scientific Reasoning – Lab (SR-L)	4	CHEM 116S General Chemistry II SoLVE	4
	BIO 112 Principles of Biology I or BIO 113 Gen Biology I: Cell and Genetics and BIO 113L Gen Biology I Laboratory Scientific Reasoning – Lab (SR-L)	4	MATH 221 Calculus II, if chosen as a Chemistry Elective ¹ or Social Science I** (SS) Recommended: PSY 101 Intro to Psychology	3-4
CREDITS	16 CI	REDITS	16-17 0	
YEAR 2				
SEMESTER	FALL 2024		SPRING 2025	
	CHEM210 Organic Chemistry I and CHEM 210L Organic Chemistry I Laboratory	4	CHEM 211 Organic Chemistry II and CHEM 211L Organic Chemistry II Laboratory PHYS 210 General Physics I or	4
	CHEM 213 Digital Information Literacy for Chem.	1	PHYS 215 General Physics I with Calculus	4
	CHEM 221 Inorganic Chemistry	3	CHEM Elective (1 of 6)	2-3
	Humanities I* (HUM)	3	Fine Arts (FA)	3
	SCI 215 Writing in the Sciences		Social Science I** (SS) or General Elective	
	200-Level Writing Intensive (WI)	3	Recommended: PSY 101 Intro to Psychology	3
CREDITS	14 CI	REDITS	16-17 CF	REDITS
YEAR 3				
SEMESTER	FALL 2025		SPRING 2026	
	CHEM 313 Career Connections in Chemistry	1	CHEM 430 Physical Chemistry	3
	CHEM Elective (2 of 6)	3	CHEM Elective (3 of 6)	3
	PHYS 211 General Physics II or PHYS 216 General Physics II with Calculus	4	CHEM Elective (4 of 6)	3
		4	CHEM Elective (4 of 6) UG General Elective/Minor Course	3
	PHYS 216 General Physics II with Calculus			3
	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course	3	UG General Elective/Minor Course	3
CREDITS	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS)	3 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis	3
CREDITS YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS)	3 3 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis	3 3 3
YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS)	3 3 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis 18 CF	3 3 3
	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS) 17 CF	3 3 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis	3 3 3
YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS) 17 CF FALL 2026 CHEM 475 Capstone Seminar	3 3 3 REDITS	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis 18 CF SPRING 2027	3 3 3 REDITS
YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS) 17 CF FALL 2026 CHEM 475 Capstone Seminar 300/400-Level Writing Intensive (WI)	3 3 3 REDITS 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis 18 CF SPRING 2027 CHEM Elective (5 of 6)	3 3 3 REDITS 3
YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS) FALL 2026 CHEM 475 Capstone Seminar 300/400-Level Writing Intensive (WI) CHEM 470 or 471 Capstone Internship ¹	3 3 3 REDITS 3 3/6	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis 18 CF SPRING 2027 CHEM Elective (5 of 6) CHEM Elective (6 of 6), or General Elective	3 3 3 REDITS 3 3 3
YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS) 17 CF FALL 2026 CHEM 475 Capstone Seminar 300/400-Level Writing Intensive (WI) CHEM 470 or 471 Capstone Internship ¹ Humanities III* (HUM) UG General Elective/Minor Course, if needed	3 3 3 REDITS 3 3/6 3 3 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis 18 CF SPRING 2027 CHEM Elective (5 of 6) CHEM Elective (6 of 6), or General Elective Humanities IV* (HUM) UG General Elective/Minor Course	3 3 3 REDITS 3 3 3 3 3 3
YEAR 4	PHYS 216 General Physics II with Calculus UG General Elective/Minor Course Humanities II* (HUM) Social Science II** (SS) FALL 2026 CHEM 475 Capstone Seminar 300/400-Level Writing Intensive (WI) CHEM 470 or 471 Capstone Internship1 Humanities II* (HUM)	3 3 3 REDITS 3 3/6 3	UG General Elective/Minor Course FSCI 540 Crime Scene Photography or Elective FSCI 620 Drug Analysis 18 CF SPRING 2027 CHEM Elective (5 of 6) CHEM Elective (6 of 6), or General Elective Humanities IV* (HUM)	3 3 3 REDITS 3 3 3 3

PROGRAM POLICIES

Specific information regarding program policies and tracks (if applicable) may be found in the Stevenson University Catalog. Please consult with your academic advisor/success coach if you need additional information. Prerequisite and co-requisite information is listed in the course descriptions. No student, regardless of major, will be permitted to advance to the next course without earning a grade of "C" or better in the prerequisite course(s). When a grade below a "C" is earned in a major course, the student must repeat that course. A course may be repeated once without special permission.

BS to MFS: Bachelor's degree requires successful completion of 120 credits. A minimum of 114 credits must be undergraduate (100-400) level.

Master's courses listed in green.

COURSE INFORMATION

FYS-100 First Year Seminar 1-credit course required for all first-year students.

INT-100 Principles of Academic Integrity 0-credit Blackboard course required for all students.

SUO-101 Online Learning Strategies and Success 0-credit Blackboard course to prepare for taking SU online classes.

CHEMISTRY ELECTIVES Choose six One must be BIOCH 345L or CHEM 346L Four must be upper level (300-400) Maximum of two research courses

¹ Choose from: CHEM 203, CHEM 206, CHEM 221, CHEM 310, CHEM 346L, CHEM 365, CHEM 435, BIOCH 201, BIOCH 327, BIOCH 345L, BIOCH 365, BIOCH 427, MATH 221, BME 314/MATH 314, MATH 321, MATH 425.

GENERAL EDUCATION NOTES

Stevenson Educational Experience (SEE)

- courses are identified in blue.
- Specific courses that fulfill SEE requirements are listed in the SU Catalog, on the SU Now Portal, and through Student Planning.
- Students must complete all SEE and major requirements and earn a minimum of 120 credits.
- In the Bachelor's to Master's option six of the 120 credits may be graduate level.
- A minimum of 15 credits must be taken at the 300/400 level.

*HUMANITIES classes must be from at least three different disciplines.

**SOCIAL SCIENCE classes must be from two different disciplines