## Chemistry with MFS Option/ BS Degree

# Suggested Course Sequence

For students entering the major in catalog year 2024-25

YEAR 1	T			
SEMESTER	FALL 2024		SPRING 2025	
	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)	4		
	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 Scientific Reasoning – Lab (SR-L)  BIO 112 Principles of Biology I or BIO 113 Gen Biology I: Cell and Genetics and BIO 113L Gen Biology I Laboratory	4	CHEM 116 General Chemistry II CHEM 116L General Chemistry II Laboratory & CHEM 116S General Chemistry II SoLVE  MATH 221 Calculus II, if chosen as a Chemistry Elective or Social Science I** (SS)	4
	Scientific Reasoning – Lab (SR-L)	4	Recommended: PSY 101 Intro to Psychology	3-4
CREDITS	16 C	REDITS	16-17 (	CREDIT
YEAR 2				
SEMESTER	FALL 2025		SPRING 2026	
	CHEM210 Organic Chemistry I and		CHEM 211 Organic Chemistry II and	
	CHEM 210L Organic Chemistry I Laboratory	4	CHEM 211L Organic Chemistry II Laboratory	4
	CHEM 213 Digital Information Literacy for Chem.	1	PHYS 210 General Physics I or 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	3	Social Science I** (SS) or General Elective	3
	200-Level Writing Intensive (WI)	3	Recommended: PSY 101 Intro to Psychology	3
CREDITS	14 C	REDITS	16-17 CF	REDITS
YEAR 3	•			
SEMESTER	FALL 2026		SPRING 2027	
	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
	UG General Elective/Minor Course	3	UG General Elective/Minor Course	3
	Humanities II* (HUM)	3	FSCI 540 Crime Scene Photography or Elective	3
	Social Science II** (SS)	3	FSCI 620 Drug Analysis	3
CREDITS	17 C	REDITS	18 CF	REDITS
YEAR 4	·			
SEMESTER	FALL 2027		SPRING 2028	
	CHEM 475 Capstone Seminar 300/400-Level Writing Intensive (WI)	3	CHEM Elective (5 of 6)	3
	CHEM 470 or 471 Capstone Internship <sup>1</sup>	3/6	CHEM Elective (6 of 6), or General Elective	3
	Humanities III* (HUM)	3	Humanities IV* (HUM)	3
	UG General Elective/Minor Course, if needed	3	UG General Elective/Minor Course	3
	FSCI 675 The Crime Laboratory	3	FSCI 610 Physical Evidence & Crime Scenes	3
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	FSCI 615 Safety/Quality Control/Assurance	3	FSCI 617 Trace Evidence	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

O-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

<sup>1</sup> 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