# Chemistry / BS Degree

# **Suggested Course Sequence**

For students entering the major in catalog year 2018-19

YEAR 1				
SEMESTER	FALL		SPRING	
	INT 100 Principles of Academic Integrity	0		
	FYS 100 First Year Seminar	1	Humanities I* (HUM)	3
	ENG 151 Composition & Writing from Sources	3	ENG 152 Writing about Literature	3
	CHEM 115 General Chemistry I with CHEM 115L General Chemistry I Laboratory and CHEM 115S General Chemistry I SoLVE Scientific Reasoning - Lab (SR-L)	4	CHEM 116 General Chemistry II with CHEM 116L General Chemistry II Laboratory and CHEM 116S General Chemistry II SoLVE	4
	BIO 113 General Biology I: Cell and Genetics with BIO 113L General Biology I Laboratory Scientific Reasoning - Lab (SR-L) MATH 220 Calculus I Quantitative Literacy (QL)	4	FSCI-101 Survey of Forensic Sciences <sup>1</sup> OR  Communication Intensive (CI)  MATH 221 Calculus II	3
CREDITC				
CREDITS	16 CR	EDITS	17 CF	REDITS
YEAR 2	T			
SEMESTER	FALL	1	SPRING	1
	SCI 215 Writing in the Sciences 200-level Writing Intensive (WI)	3	PHYS 215 General Physics I with Calculus	4
	CHEM 210 Organic Chemistry I with	3	CHEM 211 Organic Chemistry II with	7
	CHEM 210L Organic Chemistry I Laboratory	4	CHEM 211L Organic Chemistry II Laboratory	4
	CHEM 213 Digital Information Literacy for Chem.	1	Fine Arts (FA)	3
	CHEM 221 Inorganic Chemistry	3	Humanities III* (HUM)	3
	Humanities II* (HUM)	3	Social Science I** (SS)	3
CREDITS	14 CREDITS			
YEAR 3				
SEMESTER	FALL		SPRING	
	CHEM 310 Analytical Chemistry	3	CHEM 313 Career Connections in Chemistry	1
	BIOCH 327 Biochemistry	3	CHEM 346L Integrative Lab II	2
	BIOCH 345L Integrative Lab I	2	CHEM 432 Physical Chem: Thermodynamics	3
	PHYS 216 General Physics II with Calculus	4	Social Science II** (SS)	3
	Titis 210 General Thysics II with calculus	† '	General Elective or	
	General Elective	3	Communication Intensive (CI) <sup>1</sup>	3
			General Elective	3
CREDITS	15 CREDITS		15 CREDITS	
YEAR 4				
SEMESTER	FALL		SPRING	
	CHEM 450/460/460H Research Capstone or CHEM 455/465/465H Internship Capstone 300/400-level Writing Intensive (WI) <sup>2</sup>	5-9	CHEM Elective <sup>3</sup>	2-4
	CHEM 431 Physical Chem: Quantum Mechanics	3	Humanities IV* (HUM)	3
	CHEM Elective <sup>3</sup>	2-4	General Elective	3
	General Elective, if needed <sup>4</sup>	3	General Elective	3
	Design Electrical in residual	1	General Elective, if needed <sup>4</sup>	3
	14-18 CREDITS		12-16 CREDITS	
CREDITS	14-18 CR	FDITS	12-16 CI	PEDITS

# **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.

#### Elective

- <sup>2</sup>One less CHEM elective is needed if a 9 credit capstone is chosen.
- <sup>3</sup> Choose from CHEM 203, 206, 330, 340, 362, 365, 410, and BIOCH 427.
- <sup>4</sup> Electives should be added as needed to fill remaining credit requirements.

# **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.

<sup>1</sup>FSCI-101 should be taken by students interested in a career in forensic science. Students taking FSCI 101 will take their CM course in Year 3 Spring.

# **GENERAL EDUCATION NOTES**

Stevenson Educational Experience (SEE) courses are identified in blue.

- Specific courses that fulfill SEE requirements are listed in the catalog and on the portal.
- Students must complete all general education and major requirements and earn a minimum of 120 credits.
- 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