## Biochemistry/BS Degree

# Suggested Course Sequence

For students entering the major in catalog year 2019-2020

YEAR 1				
SEMESTER	FALL		SPRING	
	INT 100 Principles of Academic Integrity	0		
	FYS 100 First Year Seminar	1	ENG 152 Writing about Literature and Culture	3
	ENG 151 Composition & Writing from Sources	3	Humanities I* (HUM)	3
	CHEM 114 General Chemistry I with Problem		,	
	Solving or CHEM 115 General Chemistry I and		01/5/4/4/2 0	
	CHEM 115L General Chemistry I Laboratory and CHEM 115S General Chemistry I SoLVE		CHEM 116 General Chemistry II and CHEM 116L General Chemistry II Laboratory and	
	Scientific Reasoning - Lab (SR-L)	4	CHEM 1165 General Chemistry II SoLVE	4
	BIO 113 General Biology I: Cell and Genetics with			
	BIO 113L General Biology I Laboratory		FSCI-101 Survey of Forensic Sciences <sup>1</sup> OR	
	Scientific Reasoning - Lab (SR-L)	4	Social Science I** (SS)	3
	MATH 220 Calculus I Quantitative Literacy (QL)	4	Communication Intensive (CI)	3
CREDITS	16	CREDITS	16 C	REDITS
YEAR 2				
SEMESTER	FALL		SPRING	
	SCI 215 Writing in the Sciences		General Elective OR	
	200-level Writing Intensive (WI)	3	Social Science I** (SS)	3
	CHEM 210 Organic Chemistry I with	1	CHEM 211 Organic Chemistry II with	4
	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
	BIO 230 Genetics	4	Humanities III* (HUM) PHYS 210 General Physics I or	3
	Humanities II* (HUM)	3	PHYS 215 General Physics I with Calculus	4
CREDITS	15	CREDITS	17 C	REDITS
YEAR 3				
SEMESTER	FALL		SPRING	
	BIOCH 327 Biochemistry	3	BIOCH 427 Advanced Biochemistry	3
	BIOCH 345L Integrative Lab I	2	BIO/CHEM Group I OR Group II Elecitve <sup>2</sup>	3-4
	PHYS 211 General Physics II or		.,	
	PHYS 216 General Physics II with Calculus	4	BIO/CHEM Group I OR Group II Elecitve <sup>2</sup>	3-4
	Social Science II** (SS)	3	CHEM 313 Career Connections in Chemistry	1
	General Elective	3	General Elective	3
			General Elective, if needed	3
CREDITS	15	CREDITS	13-18 0	REDITS
YEAR 4				
SEMESTER	FALL		SPRING	
	BIOCH 450/460/460H Research Capstone or BIOCH 455/465/465H Internship Capstone <sup>3</sup>			
	300/400-level Writing Intensive (WI)	5-9	BIO/CHEM Group I OR Group II Elecitve <sup>2</sup>	3-4
	BIO/CHEM Group I OR Group II Elecitve <sup>2</sup>	3-4	BIO/CHEM Group I OR Group II Elecitve <sup>2, 3</sup>	3-4
	General Elective	3	Humanities IV* (HUM)	3
	General Elective, if needed	3	General Elective	3
			General Elective, if needed	3
CREDITS	12-18 CREDITS		12-17 CREDITS	
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### 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.

### **BIOCHEM Group I/Group II Electives**

<sup>2</sup>Choose two Group I Electives (BIO 310, BIO 330, CHEM 310 and CHEM 430)

Choose two or three Group II Electives (BIO 203, 313, 322, 335, 362, 365, 425, BIOCH 362, 365, and CHEM 206, 221, 346L, 362, 365, 431, 432, 435).

<sup>3</sup> Choose two Group II electives if completing a 9-credit capstone. Choose three Group II electives if completing a 5-credit capstone.

### 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.

<sup>1</sup>FSCI 101 should be taken by students interested in a career in forensic sciences. If FSCI 101 is taken, students will take their Social Science I in Year 2 Spring.

### **GENERAL EDUCATION NOTES**

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

- Specific courses that fulfill SEE requirements are listed in the catalog, on the SU Now portal, and through Student Planning.
- 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