

# Biochemistry/BS Degree to MFS - Biology Concentration

## 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 CHEM 115L General Chemistry I Laboratory and CHEM 115S General Chemistry I SoLVE Scientific Reasoning - Lab (SR-L)	4	CHEM 116 General Chemistry II and 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)	4	FSCI-101 Survey of Forensic Sciences	3
	MATH 220 Calculus I Quantitative Literacy (QL)	4	MATH 136 Introduction to Statistics	4
<b>CREDITS</b>	<b>16 CREDITS</b>		<b>17 CREDITS</b>	
YEAR 2				
SEMESTER	FALL		SPRING	
	SCI 215 Writing in the Sciences 200-level Writing Intensive (WI)	3	PSY 101 Introduction to Psychology RECOMMENDED Social Science I** (SS)	3
	CHEM 210 Organic Chemistry I with CHEM 210L Organic Chemistry I Laboratory	4	CHEM 211 Organic Chemistry II with CHEM 211L Organic Chemistry II Laboratory	4
	CHEM 213 Digital Information Literacy for Chem.	1	Fine Arts (FA)	3
	BIO 230 Genetics	4	Humanities II* (HUM)	3
	CM 101 Public Speaking RECOMMENDED Communication Intensive (CI)	3	PHYS 210 General Physics I or PHYS 215 General Physics I with Calculus	4
<b>CREDITS</b>	<b>15 CREDITS</b>		<b>17 CREDITS</b>	
YEAR 3				
SEMESTER	FALL		SPRING	
	BIOCH 327 Biochemistry	3	BIOCH 427 Advanced Biochemistry	3
	BIOCH 345L Integrative Lab I	2	CHEM 313 Career Connections in Chemistry	1
	PHYS 211 General Physics II or PHYS 216 General Physics II with Calculus	4	BIO 203 Microbiology - Group II Elective	4
	Humanities III* (HUM)	3	Humanities IV* (HUM)	3
	Social Science II** (SS)	3	FSCI 540 Crime Scene Photography or Elective	3
			FSCI 640 Serology and Immunology	3
<b>CREDITS</b>	<b>15 CREDITS</b>		<b>17 CREDITS</b>	
YEAR 4				
SEMESTER	FALL		SPRING	
	FSCI 400 Forensic Science Seminar 300/400-level Writing Intensive (WI)	3	Group I or Group II Elective	3-4
	BIO 310 Cell Biology or BIO 330 Molecular Genetics (Group I Elective)	3-4	Group I or Group II Elective	3-4
	Group I or Group II Elective	3-4	FSCI 610 Physical Evidence & Crime Scenes	3
	FSCI 615 Safety/Quality Control/Assurance	3	FSCI 645 DNA Analysis	3
	FSCI 655 Forensic Science Practicum Rotations	3	General Elective, if needed	3
<b>CREDITS</b>	<b>15-17 CREDITS</b>		<b>15-17 CREDITS</b>	

### 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.

#### GROUP I ELECTIVES - Choose Two

(One must be BIO-310 or BIO-330)

BIO 310, BIO 330, CHEM 310, CHEM 430

#### GROUP II ELECTIVES - Choose Two

BIO 313, 322, 335, 362, 365, 425, BIOCH 362, 365, and CHEM 206, 221, 346L, 362, 365, 431, 432, 435

### 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.

Graduate courses are identified in red.

### 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