

B.S. in Forensic Science, Forensic Chemistry Concentration
Suggested Eight-Semester Course Sequence

Freshman Year			
Fall		Spring	
Course	Credits	Course	Credits
†CHEM 139* - General Chemistry I	4	†BIOL 140* - Principles of Biology I	4
†MATH 153 - Calculus I	4	†CHEM 140* - General Chemistry II	4
1st year seminar or ENGL 101	3	1st year seminar or ENGL 101	3
Liberal Studies (LS) or elective	3	†CJ 150 - Intro. to Criminal Justice & Criminology	3
Total Semester Hours:	14	Total Semester Hours:	14

Sophomore Year			
Fall		Spring	
Course	Credits	Course	Credits
†CHEM 232* - Quantitative Analysis	4	†CHEM 242* - Organic Chemistry II	4
†CHEM 241* - Organic Chemistry I	4	†PHYS 130/230* - Introductory/General Physics I	4
LS, elective, or ENGL 202	3	†MATH 270 - Statistical Methods I	3
LS or elective	3	LS, elective, or ENGL 202	3
LS or elective	3		
Total Semester Hours:	17	Total Semester Hours:	14

Junior Year			
Fall		Spring	
Course	Credits	Course	Credits
CHEM 352 - Phys. Chem.: Chem. Thermo.	3	CHEM 370* - Instrumental Analysis	4
†PHYS 131/231* - Introductory/General Physics II	4	FS 466 - Physical Methods in Forensic Science	3
CJ 323 - Crime Scene Investigations	3	3 Credits LAW, PAR, or CJ	3
LS or elective	3	LS or elective	3
LS or elective	3	LS or elective	3
Total Semester Hours:	16	Total Semester Hours:	16

Senior Year			
Fall		Spring	
Course	Credits	Course	Credits
†BIOL/CHEM 361 - Principles of Biochemistry	3	FS/CHEM 465* - Forensic Chemistry	4
FS 495 - Seminar in Forensic Science	1	CHEM 475 - Biochemistry Laboratory	1
†FS 380 - Undergraduate Research	3	Upper-Level FS/Chemistry Course	3
LS or elective	3	LS or elective	3
LS or elective	3	LS or elective	3
LS or elective	3		
Total Semester Hours:	16	Total Semester Hours:	14

†Course offered every semester

*Course has separate lecture and lab component

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Program Requirements (Effective Fall 2019)

Term	Grade	Course	Hours
Liberal Studies (C2 and C5 Courses are met with major requirements)			33
		First Year Seminar, 19X	3
		C1: ENGL 101 - Writing and Rhetoric	3
		C1: ENGL 202 - Writing and Critical Inquiry	3
		C3: COMM 201 - Foundations Communication	3
		C4: Wellness	3
		*P1: Social Sciences Course 1	3
		*P1: Social Sciences Course 2 (<i>must be from a different discipline than course 1</i>)	3
		*P3: History	3
		*P4: Humanities	3
		*P5: Fine and Performing Arts	3
		*P6: World Cultures	3
		<i>*Note: At least 1 of the LS Perspectives must be at the junior/senior level</i>	
Pre-Forensic Science Core			31
		BIOL 140 - Principles of Biology I	4
		CHEM 139 - General Chemistry I	4
		CHEM 140 - General Chemistry II	4
		CHEM 241 - Organic Chemistry I	4
		MATH 153 - Calculus I	4
		MATH 270 - Statistical Methods I	3
		PHYS 130/230 - Introductory/General Physics I	4
		PHYS 131/231 - Introductory/General Physics I	4
Additional Forensics and Science Courses			24
		CJ 150 - Introduction to Criminal Justice & Criminology	3
		CJ 323 - Crime Scene Investigations	3
		CHEM 242 - Organic Chemistry II	4
		BIOL/CHEM 361 - Principles of Biochemistry	3
		CHEM 475 - Biochemistry Laboratory	1
		FS 466 - Physical Methods in Forensic Science	3
		FS 495 - Seminar in Forensic Science	1
		Choose 3 credit hours among LAW 201, PAR 230, PAR 313, PAR 366, CJ 305, CJ 343, CJ370	3
		Choose 3 credit hours from FS 380 - Undergraduate Research or FS 389 - Forensic Science Internship	3
Forensic Chemistry Concentration			18
		CHEM 232 - Quantitative Analysis	4
		CHEM 352 - Physical Chemistry: Chemical Thermodynamics	3
		CHEM 370 - Instrumental Analysis	4
		FS/CHEM 465 - Forensic Chemistry	4
		Choose 3 credit hours of approved upper-level chemistry/forensics courses (see catalog for approved list)	3
General Electives (Suggested Electives: ANTH 251(3), ANTH 333(3), ANTH 400(3), BIOL 291(4), BIOL 292(4), CS 150(3), CS 151(3), PSY 375(3), PSY 470(3))			14