

B.S. in Forensic Science, Forensic Chemistry Concentration  
Suggested Eight-Semester Course Sequence (Effective Fall 2023)

<b>Freshman Year</b>			
Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
+CHEM 139* – General Chemistry I	4	+BIOL -140* – Principles of Biology I	4
+MATH 153* – Calculus I	4	+CHEM 140* – General Chemistry II	4
1 <sup>st</sup> Year Seminar or ENGL 101	3	1 <sup>st</sup> year seminar or ENGL 101	3
FS 110 or 3 credits LAW, PAR, or CJ	3	+CJ 150 – Intro to CJ and Criminology	3
<b>Total Semester Hours</b>	<b>14</b>	<b>Total Semester Hours</b>	<b>14</b>

<b>Sophomore Year</b>			
Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
+CHEM 232* – Quantitative Analysis	4	+CHEM 242* – Organic Chemistry II	4
+CHEM 241* – Organic Chemistry I	4	+PHYS 130/230* – Intro/Gen Physics I	4
Liberal Studies (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		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>14</b>

<b>Junior Year</b>			
Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
CHEM 352 – Phys Chem: Chem Thermo	3	+CHEM 370* – Instrumental Analysis	4
+PHYS 130/131* – Intro/Gen Physics II	4	FS 466 – Physical Methods in FS	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
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>

<b>Senior Year</b>			
Fall		Spring	
<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
+BIOL/CHEM 361 – Principles of Biochem	3	FS/CHEM* 465 – Forensic Chemistry	4
FS 495 – Seminar in FS	1	CHEM 475 – Biochemistry Lab	1
LS or Elective	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		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>14</b>

+Course offered every semester

\*Course has separate lecture and lab component

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Program Requirements (Effective Fall 2023)

Term	Grade	Course	Hours
<b>Liberal Studies (C2 and C5 courses are met with major requirements)</b>			<b>33</b>
		First year seminar, 19X	3
		C1: ENGL 101 – Writing and Rhetoric	3
		C1: ENGL 202 – Writing and Critical Inquiry	3
		C3: COMM 201 – Foundations in Communication	3
		C4: Wellness	3
		*P1: Social Sciences Course 1	3
		*P1: Social Sciences Course 2	3
		*P3: History	3
		*P4: Humanities	3
		*P5: Fine and Performing Arts	3
		*P6: World Cultures	3
		*Note: At least 1 of the LS Perspectives must be at the junior/senior level	
<b>Forensic Science Core</b>			<b>31</b>
		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 II	4
<b>Additional Forensics and Science Courses</b>			<b>21</b>
		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, CJ 370	3
<b>Forensic Chemistry Concentration</b>			<b>21</b>
		CHEM 232 – Quantitative Analysis	4
		CHEM 352 – Physical Chemistry: Chemical Thermodynamics	3
		CHEM 370 – Instrumental Analysis	4

		FS/CHEM 465 – Forensic Chemistry	4
		Choose 6 credit hours of approved upper-level chemistry/forensics courses	6
<b>General Electives</b> (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)).			<b>14</b>