

**CHEMISTRY: FORENSIC CHEMISTRY OPTION****Bachelor of Science (BS)**

This is a guide based on the 2023-2024 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

**CURRICULUM CHECKLIST**

"Critical Courses" are **italicized and bolded**. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

**61-62 Hour Major – No Minor Required****Required Courses:**

- \_\_\_ **CH184 General Chemistry I Lab (1)**
- \_\_\_ **CH185 General Chemistry I (3)**
- \_\_\_ **CH186 General Chemistry II (3)**
- \_\_\_ **CH187 General Chemistry II Lab (1)**
- \_\_\_ CH195 Chemistry Seminar I (1)
- \_\_\_ CH271 Foundations of Analytical Chemistry (5)
- \_\_\_ CH295 Chemistry Seminar 2 (2)
- \_\_\_ CH306 Inorganic Chemistry (3)
- \_\_\_ **CH341 Found of Organic Chem (4)**
- \_\_\_ CH342 Organic Chemistry Lab I (1)
- \_\_\_ CH360 Polymer Chemistry (1)
- \_\_\_ CH495 Chemistry Seminar 3 (1)
- \_\_\_ CH531 Found of Biochemistry (3)

**Forensic Chemistry Option:**

- \_\_\_ CH313 Physical Chemistry Laboratory (3)
- \_\_\_ CH343 Advanced Organic Chemistry (3)
- \_\_\_ CH420 Forensic Chemistry (4)
- \_\_\_ CH533 Biochemistry Laboratory (2)
- \_\_\_ CH575 Chemical Instrumentation (4)
- \_\_\_ EV460 Introduction to Toxicology (3)
- \_\_\_ FS351 Criminalistics (3)
- \_\_\_ FS550 Forensic Microscopy (2)
- \_\_\_ FS553 Analysis of Pattern Evidence (3)
- \_\_\_ MA423 Statistical Analysis for Forensic Science (3)
- \_\_\_ Choose 3-4 hours of CH or FS electives (300-500 level)

**Choose one course:**

- \_\_\_ **CH311 Foundations of Physical Chemistry (4)**
- \_\_\_ **CH312 Advanced Physical Chemistry (3)**

**Additional Requirements:**

- \_\_\_ **MA140 Analytical Geometry and Calculus I (5)**
- \_\_\_ MA145 Analytical Geometry and Calculus II (4)
- \_\_\_ PH120 Introductory Physics I (5)
- \_\_\_ PH121 Introductory Physics II (5)
- OR
- \_\_\_ PH230 General Physics I (5)
- \_\_\_ PH231 General Physics II (5)

**General Education Requirements** – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

**SAMPLE FOUR-YEAR PLAN**

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	1	<b>CH186/187</b>	<b>4</b>
	EN100	3	MA145	4
	<b>CH184/185</b>	<b>4</b>	General Education	3
	CH195	1	General Education	3
	<b>MA140</b>	<b>5</b>		
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>
	Milestone: achieve a target cumulative GPA of 3.0			
<b>SECOND YEAR</b>	CH271/071	5	CH295	2
	<b>CH341</b>	<b>4</b>	CH343	3
	CH342	1	PH121/021 or PH231/031	5
	PH120/020 or PH230/030	5	General Education	3
			General Education	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
	Milestone: achieve a target cumulative GPA of 3.0			
<b>THIRD YEAR</b>	CH306	3	CH533	2
	CH360	1	FS351	3
	CH420	4	MA423	3
	CH531	3	General Education	3
	FS550	3	General Education	3
	General Education	3		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>14</b>	
	Milestone: achieve a target cumulative GPA of 3.0			
<b>FOURTH YEAR</b>	<b>CH311 or CH312</b> or	3-4	<b>CH311 or CH312</b> or	3-4
	CH/FS elective		CH/FS elective	
	EV460	3	CH313	3
	FS553	3	CH495	1
	General Education	3	CH575	4
	Elective	3	Elective	1-3
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>12-15</b>	
	Milestone: achieve a target cumulative GPA of 3.0			

A "Milestone" signifies a significant stage for a student in the completion of a degree.

**Degree requirements for all students:** a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.

Revised  
5/4/2023

2023-2024 *degree map*

