

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

This is a guide based on the 2024-2025 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
FIRST YEAR	UI100	1	<i>CH186/187</i>	4
	EN100	3	MA145	4
	<i>CH184/185</i>	4	General Education	3
	CH195	1	General Education	3
	<i>MA140</i>	5		
	Total	14	Total	14
Milestone: achieve a target cumulative GPA of 3.0				
SECOND YEAR	CH271/071	5	CH295	2
	<i>CH341</i>	4	CH343	3
	CH342	1	PH121/021 or PH231/031	5
	PH120/020 or PH230/030	5	General Education	3
			General Education	3
	Total	15	Total	16
Milestone: achieve a target cumulative GPA of 3.0				
THIRD YEAR	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		
Total	17	Total	14	
Milestone: achieve a target cumulative GPA of 3.0				
FOURTH YEAR	<i>CH311 or CH312</i> or	3-4	<i>CH311 or CH312</i> 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
Total	15-16	Total	12-15	
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
2/2/2024

2024-2025 *degree map*

