



Department of Chemistry and Forensic Science  
College of Science, Technology, Engineering, and Math (2026-27)

**Suggested Curriculum Guide for B.S. Forensic Science, Forensic Chemistry Concentration**

**Freshman (1<sup>st</sup> Semester) 17 hrs**

GSD 101- Foundations in Learning  
CHE 111- General Chemistry I  
CHE 111L- General Chemistry I lab  
FOR 301- Intro. to Forensic Science  
MAT 234- Calculus I  
Gen. Ed. 1A (ENG 101 or 105)

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**Freshman (2<sup>nd</sup> Semester) 15 hrs**

BIO 111- Cell and Molecular Biology  
BIO 111L- Cell and Molecular Biology Lab  
CHE 112- General Chemistry II  
CHE 112L- General Chemistry II Lab  
<sup>6</sup>STA 215 or 270 (fulfills Gen. Ed. 2A)- Intro.to Statistical Reasoning or Applied Statistics  
Gen. Ed. 1B (ENG 102)  
Free Electives

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**Sophomore (1<sup>st</sup> Semester) 17 hrs**

CHE 361- Organic Chemistry I  
CHE 361L- Organic Chemistry I Lab  
FOR 401- Forensic Professional Practice  
<sup>6</sup> PHY 131 or 201 (fulfills Gen. Ed. 2B)- College Physics I or University Physics I  
Gen. Ed. 3B (Soc. & Behav. Sci.)  
BIO 112- Ecology and Evolution  
BIO 112L- Ecology and Evolution Lab

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**Sophomore (2<sup>nd</sup> Semester) 14 hrs**

CHE 362- Organic Chemistry II  
CHE 362L- Organic Chemistry II Lab  
CHE 325- Analytical Chemistry CHE  
325L- Analytical Chemistry Lab  
PHY 132 or 202- College Physics II or University Physics II

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**Junior (1<sup>st</sup> Semester) 12 hrs**

FOR 411 (fall only)- Instrumental Analysis  
FOR 411L (fall only)- Forensic Instrumental Lab  
FOR 451- Forensic Microscope Analysis  
FOR 451L- Forensic Microscopy Lab  
†CHE/FOR Restricted Elective (FOR 310 recommended)-  
Preparation for Internship  
Gen. Ed. 4A (History)  
Free Elective

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**Junior (2<sup>nd</sup> Semester) 14 hrs**

FOR 431 (spring only)- DNA Profiling  
FOR 412 (spring only)- Forensic Trace Evidence  
FOR 412L (spring only)- Forensic Trace Evidence  
Lab FOR 442 (spring only) Forensic Toxicology &  
Drugs FOR 442L (spring only)- Drugs & Toxicology  
L Gen. Ed. 3A (Arts)

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**Summer**

♣ **NOTE:** While not required, it is strongly recommended that students complete **THREE (3) HOURS** of FOR 349: Applied Learning in Forensic Science in a Forensic Laboratory. Students interested in the internship must complete FOR 310 training for Forensic Internship before taking FOR 349. (3)

**Senior (1<sup>st</sup> Semester) 15 hrs**

CHE 430- Biochemistry of Macromolecules  
FOR 465 (fall only)- Expert Witness Testimony  
FOR 499 (fall only)- Forensic Sci. Capstone  
Gen. Ed. 1C (Oral Comm.)  
Gen. Ed. 4B

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**Senior (2<sup>nd</sup> Semester) 16 hrs**

CHE 420 (spring only)- Mass Spectrometry  
CHE 471- Principles of Physical Chem. I  
CHE 471L- Principles of Physical Chem. I Lab  
†Restricted Elective  
Gen. Ed. (Flex)  
Free Elective

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<sup>6</sup> Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

**UNIVERSITY GRADUATION REQUIREMENTS**

General Education  
Foundations in Learning (GSD 101; waived for transfers with 30+ hrs)

**33 hours**  
30 hours  
3 hours

**MAJOR REQUIREMENTS**

**Core Courses**

CHE 111, CHE 111L, CHE 112, CHE 112L, CHE 361, CHE 361L, CHE 362, CHE 362L, CHE 430, FOR 301, FOR 401, FOR 431, FOR 451, FOR 451L, FOR 465, FOR 499, MAT 234, PHY 132 or PHY 202, BIO 111, BIO 111L

**48 hours**

**Concentration Requirements**

CHE 325, CHE 325L, CHE 420, CHE 471, CHE 471L, CHE 425 and CHE 425L or FOR 411 and FOR 411L, FOR 412, FOR 412L, FOR 442, FOR 442L

**28 hours**

†PLUS, FOUR (4) HOURS selected from the following (restricted elective):  
CHE 349, CHE 349 A-N, CHE 401, CHE 401L, CHE 432, CHE 450, FOR 310, FOR 330, FOR 349, FOR 431L, FOR 460, FOR 490, FSE 350, FSE 380, PLS 316

**Supporting Course Requirements**

<sup>6</sup> BIO 112, BIO 112L, <sup>6</sup> PHY 131 or <sup>6</sup> PHY 201, <sup>6</sup>STA 215 or <sup>6</sup>STA 270

**5-6 hours**

**Free Electives**

**5-6 hours**

**Total Curriculum Requirements**

**120 hours**