

Suggested Academic Plan

Semester 1	
CHEM 110 – Chemical Principles I	3
CHEM 111 – Experimental Chemistry I	1
MATH 140 – Calculus with Analytical Geometry I	4
PSU 16 – Freshman Seminar	1
CRIM 100 – Introduction to Criminal Justice	3
ENGL 15 – Rhetoric and Composition	3
Total	15

Semester 2	
CHEM 112 – Chemical Principles II	3
CHEM 113 – Experimental Chemistry II	1
MATH 141 – Calculus with Analytical Geometry II	4
FRNSC 100 – Introduction to Forensic Science	3
General Education Course	3
Total	14

Semester 3	
BIOL 110 – Biology: Basic Concepts and Biodiversity	4
CHEM 210 – Organic Chemistry I	3
FRNSC 210 – Essential Practices of Forensic Science	3
PHYS 250 – Introductory Physics I	4
General Education Course	3
Total	17

Semester 4	
BIOL 230W – Biology: Molecules and Cells	4
CHEM 212 – Organic Chemistry II	3
CHEM 213 – Laboratory in Organic Chemistry	2
PHYS 251 – Introductory Physics II	4
STAT 250 – Introduction to Biostatistics	3
Total	16

Chemistry Option

Semester 5	
FRNSC 410 – Scientific Approach to CSI	2
FRNSC 411 – Criminalistics: Trace and Impression Evidence	3
CHEM 227 – Analytical Chemistry	4
CAS 100 – Effective Communication	3
General Education	3
Total	15

Semester 6	
ENGL 202C – Effective Writing: Technical Writing	3
FRNSC 413 – Criminalistics: Biology	3
FRNSC 415W – Laboratory in CSI	2
PHIL 132 – Bioethics	3
General Education	3
Additional Course (400-level science)	3
Total	17

Semester 7	
FRNSC 400 – Courtroom Proceedings and Testimony	1
FRNSC 425 – Chromatography and Spectroscopy in Forensic Science	3
FRNSC 475 – Seminar	1
General Education	3
Additional Course (400-level science)	3
Elective	3
Total	14

Semester 8	
FRNSC 427W – Forensic Chemistry	4
FRNSC 485 – The Profession of Forensic Science	2
General Education	3
Additional Course (400-level science)	3
Elective	3
Total	15

Additional Courses: select three

- BMB 428 – Physical Chemistry with Biological Applications
- CHEM 410 – Inorganic Chemistry
- CHEM 412 – Transition Metal Chemistry
- CHEM 423W – Chemical Spectroscopy
- CHEM 430 – Structural Analysis of Organic Compounds
- CHEM 431W – Organic and Inorganic Preparations
- CHEM 450 – Physical Chemistry: Thermodynamics
- CHEM 452 – Physical Chemistry: Quantum Chemistry

Molecular Biology Option

Semester 5	
BMB 401 – General Biochemistry	3
FRNSC 410 – Scientific Approach to CSI	2
FRNSC 413 – Criminalistics: Biology	3
CAS 100 – Effective Communication	3
General Education	3
Total	14

Semester 6	
BIOL 222/322 - Genetics	3
ENGL 202C – Effective Writing: Technical Writing	3
FRNSC 411 – Criminalistics: Trace and Impression Evidence	3
PHIL 132 – Bioethics	3
General Education	3
Total	15

Semester 7	
BMB 442 – Laboratory in Proteins, Nucleic Acids, and Molecular Cloning	3
FRNSC 400 – Courtroom Proceedings and Testimony	1
FRNSC 415W – Laboratory in CSI	2
FRNSC 420 – Advanced Molecular Biology for Forensic Scientists	3
General Education	3
Elective	3
Total	15

Semester 8	
FRNSC 421W – Forensic Molecular Biology	4
FRNSC 475 – Seminar	1
FRNSC 485 – The Profession of Forensic Science	2
General Education	3
Additional Course (400-level science)	3
Elective	3
Total	16

Additional Courses: select one

BIOL 405 – Molecular Evolution

BIOL 422 – Advanced Genetics

BIOL 460 – Human Genetics

BMB 402 – General Biochemistry

BMB 428 – Physical Chemistry with Biological Applications

BMB 433 – Molecular and Cellular Toxicology