



## B.S. Program in Chemistry, Forensic Science Option

|             | FALL  | WINTER  | SPRING   |
|-------------|---|---|--|
| First Year  | CHEM 1101 General Chemistry I (5)*<br>MATH 1304 Calculus I (4)<br>GE  | CHEM 1102 General Chemistry II (5)<br>MATH 1305 Calculus II (4)<br>GE   | CHEM 1103 General Chemistry III (5)<br>MATH 2304 Calculus III (4)<br>GE  |
| Second Year | CHEM 2200 Quantitative Analysis (5)**<br>BIOL 1401 Molecular and Cellular Biology (5)<br>PHYS 2701 Introductory Physics I (4)                     | BIOL 1402 Plant Biology (5)<br>PHYS 2702 Introductory Physics II (4)<br>CRJA 2200 Basic Criminal Investigation (4)<br>GE                  | BIOL 1403 Animal Biology (5)<br>PHYS 2703 Introductory Physics III (4)<br>GE   |
| Third Year  | CHEM 3301 Organic Chemistry I (5)*<br>BIOL 3121 Principles of Genetics (5)<br>ME or<br>GE   | CHEM 3302 Organic Chemistry II (5)<br>STAT 3031 Statistical Methods in Biology (4)<br>ME or<br>GE   | CHEM 3303 Organic Chemistry III (5)<br>CRJA 3800 Comparative Evidence and Its Evaluation (4)<br>ME or<br>GE  |
| Fourth Year | CHEM 3511 Physical Chemistry I (3)<br>BIOL 4485 PCR, DNA Sequencing and Fragment Analysis (4)<br>BIOL 4830 Seminar in Forensic Research (1)<br>GE | CHEM 3512 Physical Chemistry II (3)<br>CHEM 4240 Instrumental Methods of Analysis (4)<br>CRJA 4830 Seminar in Forensic Research (1)<br>GE | CHEM 3200 Bioanalytical and Forensic Instrumentation (4)<br>CHEM 3400 Introductory Biochemistry (4)<br>CHEM 4480 Seminar in Forensic Research (1)<br>ME or<br>GE |

GE – General Elective

ME – Major Elective

**Major Electives (1-2 courses, 3- 4 units):** CRJA 3400 (4), CHEM 3513 (3), CHEM 3898 (3-4), CHEM 4161(3), CHEM 4700(2)

\*Sequence may be taken W, Sp, Su

\*\*Offered during summer quarter