**Curriculum: Forensic Chemistry (Min. 180 total credits; 60 upper division)**

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| **Fall** | **Winter** | **Spring** |
| USEM 101 University Seminar (4) \_\_\_  CH 195 Chemical Problem Solving (1) \_\_\_  CH 201 General Chemistry (3) \_\_\_  CH 204 General Chemistry Lab (2) \_\_\_  BI 211 Principles of Biology (4) \_\_\_  BI 211L Principles of Biology Lab (0) \_\_\_  MTH 111 Precalc I (4) or MTH 112 Precalc II (4) or MTH 251 Calc I (4) (math placement test)\* \_\_\_  **Total: 18 credits** | USEM 102 University Seminar (4) \_\_\_  CH 196 Chemical Problem Solving (1) \_\_\_  CH 202 General Chemistry (3) \_\_\_  CH 205 General Chemistry Lab (2) \_\_\_  BI 212 Principles of Biology (4) \_\_\_  BI 212L Principles of Biology Lab (0) \_\_\_  MTH 112 Precalc II (4) or MTH 251 Calc I (4) \_\_\_  **Total: 18 credits** | USEM 103 University Seminar (4) \_\_\_  CH 197 Chemical Problem Solving (1) \_\_\_  CH 203 General Chemistry (3) \_\_\_  CH 206 General Chemistry Lab (2) \_\_\_  BI 213 Principles of Biology (4) \_\_\_  BI 213L Principles of Biology Lab (0) \_\_\_  MTH 251 Calc I (4) or MTH 252 Calc II (4) \_\_\_  **Total: 18 credits** |
| CH 334 Organic Chemistry (3) \_\_\_  CH 337 Intro to Organic Chem Lab (2) \_\_\_  CH 337R Intro Organic Lab Recitation (0) \_\_\_  CH 344 Organic Chemistry Workshop (1) \_\_\_  PH 221 General Physics I (4)\_\_\_  PH 221R General Physics Recitation (0) \_\_\_  PH 224 General Physics Lab I (2) \_\_\_  **Total: 12 credits** | CH 335 Organic Chemistry (3) \_\_\_  CH 340 Organic Spectroscopy (3) \_\_\_  CH 340L Organic Spectroscopy Lab (0) \_\_\_  CH 345 Organic Chemistry Workshop (1) \_\_\_  PH 222 General Physics II (4)\_\_\_  PH 222R General Physics Recitation (0) \_\_\_  PH 225 General Physics Lab II (2) \_\_\_  **Total: 13 credits** | CH 336 Organic Chemistry (3) \_\_\_  CH 341 Organic Chem Lab (2) \_\_\_  CH 341R Intro Organic Lab Recitation (0) \_\_\_  CH 346 Organic Chemistry Workshop (1) \_\_\_  PH 223 General Physics III (4)\_\_\_  PH 223R General Physics Recitation (0) \_\_\_  PH 226 General Physics Lab III (2) \_\_\_  CCJ 251 Criminal Law (4) \_\_\_  **Total: 16 credits** |
| CH 421 Analytical Chemistry (3) \_\_\_  CH 422 Analytical Chem Lab (1) \_\_\_  CH 371 Computer Applications (3) \_\_\_  CH 441 Physical Chemistry (3) \_\_\_  CH 314 Chemical Research Comm (1) \_\_\_  COMM 310 Adv. Public Speaking (4) \_\_\_  **Total: 15 credits** | CH 425 Instrumental Analysis (3) \_\_\_  CH 426 Instrumental Analysis Lab (1) \_\_\_  CH 315 Chemical Research Comm (1) \_\_\_  Hum./Soc Sci Explorations (4) \_\_\_  Hum./Soc Sci Explorations (4) \_\_\_  MTH 243 Elementary Statistics (4) \_\_\_  **Total: 17 credits** | CH 316 Chemical Research Comm (1) \_\_\_  CH 464 Forensic Toxicol./Arson (4) \_\_\_  CH 464L Forensic Toxicol./Arson Lab (0) \_\_\_  Hum./Soc Sci Explorations (4) \_\_\_  Hum./Soc Sci Explorations (4)  **Total: 13 credits** |
| CH 497 Senior Project (1) \_\_\_  CH 451 Biochemistry (3) \_\_\_  BI 341 Genetics (4) \_\_\_  BI 341L Genetics Lab (0) \_\_\_  CCJ 321 Criminal Investigation (4) \_\_\_  Strand H/I/J Upper div course (4) \_\_\_  **Total: 16 credits** | CH 498 Senior Project (1) \_\_\_  CH 452 Biochemistry (3) \_\_\_  CH 454 Biochemistry Lab (1) \_\_\_  CH 460 Forensic Serology/DNA (4) \_\_\_  CH 460L Forensic Serology Lab (0) \_\_\_  CCJ 412 Criminal Evidence (4) \_\_\_  **Total: 13 credits** | CH 499 Senior Project (1) \_\_\_  CH 453 Biochemistry (3) \_\_\_  CH 455 Biochemistry Lab (1) \_\_\_  Hum./Soc Sci Explorations (4) \_\_\_  Strand H/I/J Upper div course (4) \_\_\_  Strand H/I/J Upper div course (4) \_\_\_  **Total: 17 credits** |

\*It is recommended that students starting with MTH 111 take MTH 252 (Calc II) during the summer of their first year.

Years 3 and 4 are interchangeable based on whether CH 460 or CH 464 is being offered – see your advisor!