

B.S. in FORENSIC CHEMISTRY (Comprehensive Major)

8/2020

2020 FOUR YEAR CURRICULUM GUIDE DEPARTMENT OF CHEMISTRY/GEOLOGY/PHYSICS

| Year 1 | Fall Semester | | Year 1 | Spring Semester | |
|-----------|--------------------------------|-----------|----------|---------------------------------|-----------|
| Course # | Title | Cr. | Course # | Title | Cr. |
| CHEM 103 | Gen. Chem. I (fa only, Core 1) | 4 | CHEM 104 | Gen. Chem. II (sp only, Core 5) | 4 |
| MATH 205 | Calculus I (fa only, Core 2) | 5 | MATH 206 | Calculus II (sp only) | 5 |
| ENG 101 | Composition I (Core 3) | 3 | ENG 102 | Composition II (Core 6) | 3 |
| CORE/CCI* | Inst. Requirement (Core 4) | 3 | CJ 130 | Intro. to Criminal Justice | 3 |
| | TOTAL | 15 | | TOTAL | 15 |

| Year 2 | Fall Semester | | Year 2 | Spring Semester | |
|---------------|------------------------------------|-----------|---------------|-----------------------------------|-----------|
| Course # | Title | Cr. | Course # | Title | Cr. |
| CHEM 307/307L | Organic Chem I (fa only) w/Lab | 4 | CHEM 308/308L | Organic Chem II (sp only) w/Lab | 4 |
| PHYS 205 | University Physics (fa only) | 5 | PHYS 206 | University Physics (sp only) | 5 |
| BIO 201 | Molecular & Cellular Basis of Life | 4 | BIO 202 | Organisms, Adaptation & Diversity | 4 |
| CORE | Inst. Requirement (Core 7) | 3 | CORE | Inst. Requirement (Core8) | 3 |
| | TOTAL | 16 | | TOTAL | 16 |

| Year 3 | Fall Semester | | Year 3 | Spring Semester | |
|--------------------------|---|-----------|----------|---|--------------|
| Course # | Title | Cr. | Course # | Title | Cr. |
| CHEM 411/411L or BIO 303 | Phys. Chem I w/ lab (fa odd) or Genetics | 4 | CHEM 4XX | CHEM 493 Internship or 497 Research or CHEM 420 Instrumental Analysis (sp only) | 3-4 |
| CHEM 320 | Quantitative Analysis (fa only) | 4 | PHIL 280 | Applied Ethics | 1-2 |
| COM 208 or CORE | Argumentation & Advocacy (fa odd) or Inst. Requirement (Core 9) | 3 | CORE | Inst. Requirement (Core 12) | 3 |
| CJ 200 or CORE | Crim. Investigation I (fa odd) or Inst. Requirement (Core 10) | 3 | CORE | Inst. Requirement (Core 13) | 3 |
| CORE | Inst. Requirement (Core 11) | 3 | ELECTIVE | General Electives as needed to fulfill required credit hrs. | 0-3 |
| | TOTAL | 17 | | TOTAL | 12-15 |

| Year 4 | | | Year 4 | | |
|-----------------|---|-----------|-----------------|---|--------------|
| Fall Semester | | | Spring Semester | | |
| Course # | Title | Cr. | Course # | Title | Cr. |
| CHEM 429/429L | Biochemistry w/ Lab | 4 | CHEM 4XX | CHEM 420 Instrumental Analysis (sp only) or CHEM 493 Internship or 497 Research | 3-4 |
| BIO 303 | Genetics or CHEM 411/411L (fa odd) | 4 | CORE | Inst. Requirement (Core 14) | 3 |
| CORE or COM 208 | Inst. Requirement (Core 9) or Argumentation and Advocacy (fa odd) | 3 | CORE | Inst. Requirement (Core 15) | 3 |
| CORE or CJ 200 | Inst. Requirement (Core 10) or Criminal Investigation (fa odd) | 3 | ELECTIVE | General Electives as needed to fulfill required credit hrs. | 3-6 |
| | TOTAL | 14 | | TOTAL | 12-16 |

120 total credit hours required for degree

**The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester of the first year.*