The College of Science offers two undergraduate degrees in forensic science: Forensic Biology and Forensic Chemistry. To declare a major in forensic science, students must have an overall GPA of at least 2.5 and a math/science GPA of at least 2.5. Both degrees are very rigorous and contain at least 86 semester hours in science and mathematics. Many forensic scientists work in crime laboratories. For example, a forensic biologist usually specializes in DNA analysis or continues to medical school to pursue a career as a medical examiner; a forensic chemist analyzes non-biological trace evidence found at crime scenes in order to identify unknown materials and match samples to known substances.

In order to find employment in the forensic science field, you need a master’s degree. At the present time, UTEP does not offer a graduate degree in forensic science; however, a master’s degree in Biology with an emphasis on DNA analysis or a master’s in chemistry with an emphasis on gas chromatography and spectrophotometry will prepare you for work in a forensic lab. A GPA of at least 3.0 is required for graduate school.

** Marketable Skills**

**Forensic Biologists:**[i]

Forensic biologists utilize scientific methodology and analyses to investigate evidence such as human, animal or plant remains, DNA traces, physical material like clothing fibers, and other material that can be helpful to legal investigations. Forensic biologists have degrees in either forensic science or biological sciences with a focus on forensics, and they may work for law enforcement or government agencies, private and consulting companies that specialize in laboratory analyses, or at universities.

Training for forensic biologists, depending on the specialty, includes university courses in biology (including entomology and botany), chemistry, human and animal pathology, biochemistry, and DNA analysis techniques. In order to interact with and advise law enforcement officials, additional courses in the areas of mathematics, physics, and criminal justice are often included in forensic biologist training at the university level. Additional training may involve the collection of evidence at mock crime scenes, and subsequent analyses in the laboratory. These analyses may include analytical techniques for the identification of blood and bodily secretions, DNA, pathology, and other forms of potential evidence. Such training gives forensic biologists a basic understanding of scientific principles and standard practices for laboratory documentation with appropriate methodology. Courses in criminal justice instill a basic understanding of the judicial process, including criminal trials, and standard procedures for the handling and analysis of evidence.

Once these analyses are completed, the forensic biologist will write and submit technical reports (albeit in laymen’s terms) of their findings to law enforcement officers or courts of law. Due to a recent ruling from the United States Supreme Court, attorneys representing individuals accused of a crime have the right to cross-examine the individual who conducted forensic tests of relevant evidence. And thus, forensic biologists will often be required to testify as an expert witness in a court of law about the findings in their reports.

**Forensic Chemist:**[ii]

Forensic chemists analyze non-biological trace evidence found at crime scenes in order to identify unknown materials and match samples to known substances. They also analyze drugs/controlled substances taken from scenes and people in order to identify and sometimes quantify these materials.

A strong background in chemistry and instrumental analysis and a good grounding in criminalistics are vital. An undergraduate degree in forensic science or a natural science is required for work in crime laboratories, with extensive coursework in mathematics, chemistry, and biology. More advanced positions, such as lab managers and supervisors, require a master’s degree. A Ph.D. is often preferred for advancement to positions such as lab director.

Those interested in working with trace evidence, such as glass, hairs, and gunshot residue, should focus on instrumentation skills and take courses in geology, soil chemistry, and materials science. If forensic biology, such as DNA analysis, is preferred, take microbiology, genetics, and biochemistry courses. Those interested in the toxicological aspects of this work, such as obtaining and interpreting toxicology reports, should study physiology, biochemistry, and chemistry.

There are jobs with a BS in Forensic Science; however, they run around $42,000. With a graduate degree and experience, you can almost double this salary.

To be successful in this field you must have a strong background in science and mathematics and be able to communicate because you may be an expert witness in a jury trial. Most of all you need to be analytical.

---


Degree Plans

BS in Forensic Science with a concentration in Forensic Biology

Forensic biologists utilize scientific methodology and analyses to investigate evidence such as human, animal or plant remains, DNA traces, physical material like clothing fibers, and other material that can be helpful to legal investigations. Forensic biologists have degrees in either forensic science or biological sciences with a focus on forensics, and they may work for law enforcement or government agencies, private and consulting companies that specialize in laboratory analyses, or at universities.

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<th>Title</th>
<th>Hours</th>
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</thead>
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<td><strong>Designated Core</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>Although the UTEP choice is larger, these choices satisfy the requirements of both the core and the major</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>All courses listed below are required:</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Social and Behavioral Sciences</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSYC 1301 Introduction to Psychology</td>
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<tr>
<td></td>
<td><strong>Language, Philosophy and Culture</strong></td>
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<tr>
<td></td>
<td>PHIL 2306 Ethics</td>
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<tr>
<td></td>
<td>PHYS 1403 General Physics I</td>
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<td></td>
<td>&amp; PHYS 1404 General Physics II</td>
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<td>OR</td>
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<tr>
<td></td>
<td>PHYS 2320 Introductory Mechanics</td>
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<tr>
<td></td>
<td>&amp; PHYS 2120 Laboratory for PHYS 2320</td>
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<td>and</td>
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<tr>
<td></td>
<td>PHYS 2321 Introductory Electromagnetism</td>
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<td>&amp; PHYS 2121 Laboratory for PHYS 2321</td>
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<td></td>
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<tr>
<td></td>
<td><strong>Forensic Science Major</strong> &amp;</td>
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</tr>
<tr>
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<td></td>
<td>BIOL 1107 Topics in Study of Life I</td>
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<td>BIOL 1108 Organismal Biology Laboratory</td>
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<td>BIOL 1305 General Biology</td>
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<tr>
<td></td>
<td>BIOL 1306 Organismal Biology</td>
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<td></td>
<td>CHEM 1105 Laboratory for CHEM 1305</td>
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<tr>
<td></td>
<td>CHEM 1106 Laboratory for CHEM 1306</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>CHEM 1305 General Chemistry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHEM 1306 General Chemistry</td>
<td>3</td>
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<td></td>
<td>CHEM 2124 Lab for Organic Chemistry 2324</td>
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<tr>
<td></td>
<td>CHEM 2125 Lab for Organic Chemistry 2325</td>
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<td>CHEM 2324 Organic Chemistry</td>
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### BS in Forensic Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2325</td>
<td>Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 1301</td>
<td>Intro to Criminal Justice I</td>
<td>3</td>
</tr>
<tr>
<td>or CRJ 4315</td>
<td>Homicide</td>
<td>3</td>
</tr>
<tr>
<td>STAT 2480</td>
<td>Elementary Statistical Methods</td>
<td>4</td>
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**Specialized Science Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tr>
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<td>Molecular Cell Biol Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3314</td>
<td>Molecular Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3320</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3351</td>
<td>Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4395</td>
<td>Topics in Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3310</td>
<td>Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3330</td>
<td>Biochem I: Struc &amp; Function</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3332</td>
<td>Biochem II: Metabol &amp; Bioenerg</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3351</td>
<td>Physical Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3352</td>
<td>Physical Chemistry II</td>
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</tr>
<tr>
<td>CHEM 4211</td>
<td>Instrumental Meths Analyt Chem</td>
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</tr>
<tr>
<td>CHEM 4212</td>
<td>Lab for Chemistry 4211</td>
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</tr>
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<td>CHEM 4365</td>
<td>Inorganic Chemistry</td>
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</tr>
<tr>
<td>MICR 2141</td>
<td>Gen Microbiology Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>MICR 2340</td>
<td>General Microbiology</td>
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**Additional Coursework**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BIOL 3351</td>
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<td>3</td>
</tr>
<tr>
<td>BIOL 3357</td>
<td>DNA Structure and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3375</td>
<td>Forensic Pathobiology</td>
<td>3</td>
</tr>
<tr>
<td>FORS 3370</td>
<td>Forensic Science I</td>
<td>3</td>
</tr>
<tr>
<td>FORS 3371</td>
<td>Forensic Biology</td>
<td>3</td>
</tr>
</tbody>
</table>

Or any forensic biology/chemistry course with a lab component. Forensic science internships or independent studies/research may be used to fulfill up to six hours of this requirement.

**Select one of the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3351</td>
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<td>FORS 3370</td>
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<td>FORS 3371</td>
<td>Forensic Biology</td>
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</table>

**Forensic Biology Track**

**Concentration**

Select twenty additional hours of upper-division Biology, Microbiology and/or CBCH courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 3115</td>
<td>Molecular Cell Biol Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3117</td>
<td>Ecology Laboratory</td>
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<tr>
<td>BIOL 3192</td>
<td>Professional Development Sem.</td>
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<tr>
<td>BIOL 3314</td>
<td>Molecular Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3316</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3320</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3321</td>
<td>Evolution</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3342</td>
<td>Plants and People</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3351</td>
<td>Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3357</td>
<td>DNA Structure and Analysis</td>
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<tr>
<td>BIOL 3375</td>
<td>Forensic Pathobiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4195</td>
<td>Advanced Methods in Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4198</td>
<td>Special Problems</td>
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**BS in Forensic Science**

<table>
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<tr>
<th>Code</th>
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<tr>
<td>BIOL 4225</td>
<td>Field Biology</td>
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<tr>
<td>BIOL 4298</td>
<td>Special Problems</td>
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<td>BIOL 4319</td>
<td>G Protein-Coupled Recept Biol</td>
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<tr>
<td>BIOL 4320</td>
<td>Endocrinology</td>
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<tr>
<td>BIOL 4321</td>
<td>Developmental Biology</td>
</tr>
<tr>
<td>BIOL 4324</td>
<td>Genetic, Env &amp; Evol - Anim Beh</td>
</tr>
<tr>
<td>BIOL 4325</td>
<td>Field Biology</td>
</tr>
<tr>
<td>BIOL 4327</td>
<td>Animal Ecology</td>
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<tr>
<td>BIOL 4330</td>
<td>Cancer Biology</td>
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<tr>
<td>BIOL 4370</td>
<td>History/Philosophy-Biology</td>
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<tr>
<td>BIOL 4388</td>
<td>Mammalian Physiology</td>
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<tr>
<td>BIOL 4390</td>
<td>Biological Practicum</td>
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<tr>
<td>BIOL 4395</td>
<td>Topics in Biology</td>
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<td>BIOL 4398</td>
<td>Special Problems</td>
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<td>CBCH 3316</td>
<td>Membrane Biology</td>
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<tr>
<td>CBCH 4310</td>
<td>Techniques in Mol Biochem</td>
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<td>CBCH 4320</td>
<td>Adv Topics in Mil Biochem</td>
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<tr>
<td>CBCH 4414</td>
<td>Cellular Biochemistry</td>
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<tr>
<td>MICR 3144</td>
<td>Pathogenic Microbiology Lab</td>
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<tr>
<td>MICR 3146</td>
<td>Microbial Physiology Lab</td>
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<td>MICR 3343</td>
<td>Pathogenic Microbiology</td>
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<td>MICR 3345</td>
<td>Microbial Physiology</td>
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<td>MICR 4154</td>
<td>Immunology Laboratory</td>
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<td>MICR 4329</td>
<td>Epidemiology</td>
</tr>
<tr>
<td>MICR 4351</td>
<td>General Virology</td>
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<tr>
<td>MICR 4353</td>
<td>Immunology</td>
</tr>
<tr>
<td>MICR 4355</td>
<td>Medical Mycology</td>
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</table>

**Upper Division Requirement**

A total of thirty-seven hours of upper division coursework is required for all Bachelor of Science degrees.

C. Grades on all Courses must be C or better

**Total Hours** 120

**BS in Forensic Science with a concentration in Forensic Chemistry**

Forensic chemists analyze non-biological trace evidence found at crime scenes in order to identify unknown materials and match samples to known substances. They also analyze drugs/controlled substances taken from scenes and people in order to identify and sometimes quantify these materials.

A strong background in chemistry and instrumental analysis and a good grounding in criminalistics are vital. An undergraduate degree in forensic science or a natural science is required for work in crime laboratories, with extensive coursework in mathematics, chemistry, and biology. More advanced positions, such as lab managers and supervisors, require a master’s degree. A Ph.D. is often preferred for advancement to positions such as lab director.

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<table>
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<tbody>
<tr>
<td>PHIL 2306</td>
<td>Ethics</td>
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**Designated Core**

"Although the UTEP choice is larger, these choices satisfy the requirements of both the core and the major. All courses listed within this degree area require a grade of C or better for successful completion.

All courses listed below are required:

**Language, Philosophy and Culture**

- PHIL 2306 Ethics

**Social and Behavioral Sciences**

- PSYC 1301 Introduction to Psychology
<table>
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<th>Life and Physical Sciences</th>
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<tr>
<td>PHYS 2320</td>
<td>Introductory Mechanics</td>
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<tr>
<td>&amp; PHYS 2120</td>
<td>and Laboratory for PHYS 2320</td>
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<td>and</td>
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<tr>
<td>PHYS 2321</td>
<td>Introductory Electromagnetism</td>
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<td>&amp; PHYS 2121</td>
<td>and Laboratory for PHYS 2321</td>
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<td>MATH 1411</td>
<td>Calculus I</td>
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<table>
<thead>
<tr>
<th>University Core Curriculum</th>
<th>42</th>
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</thead>
<tbody>
<tr>
<td>NOTE: The department may make specific suggestions for courses which are most applicable towards your major. Psychology and Criminal Justice majors and minors are required to take MATH 1320 or a higher level Calculus course. Business majors are required to take MATH 1320 or a higher level Calculus course. NOTE: All courses require a C or better</td>
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<table>
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<tr>
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<td>AND</td>
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<tr>
<td>CHEM 2125</td>
<td>Lab for Organic Chemistry 2325</td>
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<td>&amp; CHEM 2325</td>
<td>and Organic Chemistry</td>
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<td>OR</td>
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<tr>
<td>CHEM 2221</td>
<td>Organic Chemistry I Lab</td>
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<tr>
<td>&amp; CHEM 2321</td>
<td>and Organic Chemistry I</td>
</tr>
<tr>
<td>AND</td>
<td></td>
</tr>
<tr>
<td>CHEM 2222</td>
<td>Organic Chemistry II Lab</td>
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<tr>
<td>&amp; CHEM 2322</td>
<td>and Organic Chemistry II</td>
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</table>

| Required:                                                                                 |         |
| BIOL 1107                                                                                 | Topics in Study of Life I |
| BIOL 1108                                                                                 | Organismal Biology Laboratory |
| BIOL 1305                                                                                 | General Biology |
| BIOL 1306                                                                                 | Organismal Biology |
| CHEM 1105                                                                                 | Laboratory for CHEM 1305 |
| CHEM 1106                                                                                 | Laboratory for CHEM 1306 |
| CHEM 1305                                                                                 | General Chemistry |
| CHEM 1306                                                                                 | General Chemistry |
| CRIJ 1301                                                                                 | Intro to Criminal Justice I |
| or CRIJ 4315                                                                              | Homicide |
| STAT 2480                                                                                 | Elementary Statistical Methods |

| Specialized Science Courses C                                                               |         |
| Select twelve hours from the following:                                                    | 12      |
| BIOL 3314                                                                                 | Molecular Cell Biology |
| & BIOL 3115                                                                               | and Molecular Cell Biol Laboratory |
| BIOL 3320                                                                                 | Genetics |
| BIOL 3351                                                                                 | Toxicology |
| BIOL 4395                                                                                 | Topics in Biology |
| CHEM 3110                                                                                 | Lab for Chemistry 3310 |
| CHEM 3151                                                                                 | Lab for Chemistry 3351 |
| CHEM 3310                                                                                 | Analytical Chemistry |
| CHEM 3152                                                                                 | Lab for Chemistry 3352 |
| CHEM 3330                                                                                 | Biochem I:Struc & Function |
| CHEM 3332                                                                                 | Biochem II: Metabol & Bioenerg |
| CHEM 3351                                                                                 | Physical Chemistry I |
| CHEM 3352                                                                                 | Physical Chemistry II |
| CHEM 4211                                                                                 | Instrumental Meths Analyt Chem |
| & CHEM 4212                                                                               | and Lab for Chemistry 4211 |
BS in Forensic Science

MICR 2141 & MICR 2340  
Gen Microbiology Laboratory and General Microbiology

**Additional Coursework**

Select twelve hours from the following:

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOL 3351</td>
<td>Toxicology</td>
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<tr>
<td>BIOL 3357</td>
<td>DNA Structure and Analysis</td>
</tr>
<tr>
<td>BIOL 3375</td>
<td>Forensic Pathobiology</td>
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<tr>
<td>FORS 3370</td>
<td>Forensic Science I</td>
</tr>
<tr>
<td>FORS 3371</td>
<td>Forensic Biology</td>
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</table>

or any forensic biology/chemistry course with a lab component, forensic science internships or independent studies/research may be used to fulfill this requirement.

**Forensic Chemistry Track**

**Concentration**

Select twenty additional hours of upper-division Chemistry:

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<tbody>
<tr>
<td>CHEM 3110</td>
<td>Lab for Chemistry 3310</td>
</tr>
<tr>
<td>CHEM 3131</td>
<td>Lab for Chemistry</td>
</tr>
<tr>
<td>CHEM 3151</td>
<td>Lab for Chemistry 3351</td>
</tr>
<tr>
<td>CHEM 3152</td>
<td>Lab for Chemistry 3352</td>
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<tr>
<td>CHEM 3301</td>
<td>Molecular Modeling &amp; Chem Info</td>
</tr>
<tr>
<td>CHEM 3310</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CHEM 3330</td>
<td>Biochem I: Struct &amp; Function</td>
</tr>
<tr>
<td>CHEM 3332</td>
<td>Biochem II: Metabol &amp; Bioenerg</td>
</tr>
<tr>
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<td>Physical Chemistry I</td>
</tr>
<tr>
<td>CHEM 3352</td>
<td>Physical Chemistry II</td>
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<tr>
<td>CHEM 4134</td>
<td>Structural Biochemistry Lab</td>
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<tr>
<td>CHEM 4165</td>
<td>Inorganic Chemistry Lab</td>
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<td>CHEM 4176</td>
<td>Introduction to Research</td>
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<td>CHEM 4211</td>
<td>Instrumental Meths Analyt Chem</td>
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<td>CHEM 4212</td>
<td>Lab for Chemistry 4211</td>
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<tr>
<td>CHEM 4328</td>
<td>Advanced Topics Organic Chem</td>
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<tr>
<td>CHEM 4334</td>
<td>Structural Biochemistry</td>
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<tr>
<td>CHEM 4335</td>
<td>Biophysical Chemistry</td>
</tr>
<tr>
<td>CHEM 4362</td>
<td>Structure of Matter</td>
</tr>
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<td>CHEM 4365</td>
<td>Inorganic Chemistry</td>
</tr>
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<td>CHEM 4376</td>
<td>Introduction to Research</td>
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</table>

**Upper Division Requirement**

A total of thirty-seven hours of upper division coursework is required for all Bachelor of Science degrees.

C. Grades on all Courses must be C or better

**University Core Curriculum**

The department may make specific suggestions for courses which are most applicable towards your major.

All courses require a C or better

**I. Communication (six hours)**

<table>
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<tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>ENGL 1313</td>
<td>Writing About Literature</td>
</tr>
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<td>Code</td>
<td>Title</td>
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<td>--------------------------------------------</td>
</tr>
<tr>
<td>RWS 1301</td>
<td>Rhetoric &amp; Composition I</td>
</tr>
<tr>
<td>RWS 1302</td>
<td>Rhetoric &amp; Composition 2</td>
</tr>
<tr>
<td>RWS 1601</td>
<td>Rhetoric, Composition &amp; Comm</td>
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For students whose secondary education was not in English:

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<td>Expos Engl Compos-Spkr Esl</td>
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<tr>
<td>ESOL 1312</td>
<td>Res &amp; Crit Writng Spkr Esl</td>
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**Total Hours**

6

### II. American History (six hours)

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<td>3</td>
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<tr>
<td>HIST 1302</td>
<td>History of U.S. Since 1865</td>
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**Total Hours**

6

### III. Language, Philosophy & Culture (three hours)

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<tr>
<td>AFST 2300</td>
<td>Intro-African Amer Studies</td>
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<tr>
<td>CHIC 2302</td>
<td>Latina/o Presence in the U.S.</td>
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<td>ENGL 2311</td>
<td>English Literature</td>
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<td>ENGL 2312</td>
<td>English Literature</td>
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<tr>
<td>ENGL 2313</td>
<td>Intro to American Fiction</td>
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<td>ENGL 2314</td>
<td>Intro to American Drama</td>
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<tr>
<td>ENGL 2318</td>
<td>Intro to American Poetry</td>
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<tr>
<td>FREN 2322</td>
<td>Making of the &quot;Other&quot; Americas</td>
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</tr>
<tr>
<td>HIST 2301</td>
<td>World History to 1500</td>
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</tr>
<tr>
<td>HIST 2302</td>
<td>World History Since 1500</td>
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<td>PHIL 1301</td>
<td>Introduction to Philosophy</td>
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<td>PHIL 2306</td>
<td>Ethics</td>
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<td>RS 1301</td>
<td>Intro to Religious Studies</td>
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<td>SPAN 2340</td>
<td>Seeing &amp; Naming: Conversations</td>
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<tr>
<td>WS 2300</td>
<td>Introduction to Womens Studies</td>
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<tr>
<td>WS 2350</td>
<td>Global Feminisms</td>
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**Total Hours**

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### IV. Mathematics (three hours)

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<td>MATH 1319</td>
<td>Math in the Modern World</td>
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<td>MATH 1320</td>
<td>Math for Social Sciences I</td>
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<td>MATH 1411</td>
<td>Calculus I</td>
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<tr>
<td>MATH 1508</td>
<td>Precalculus 1,2</td>
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<td>Math for Social Sciences II</td>
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<tr>
<td>STAT 1380</td>
<td>Statistical Literacy</td>
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**Total Hours**

3
STAT 2480  
Elementary Statistical Methods

1 A higher-level course in the calculus sequence can be substituted.
2 TCCN MATH 1314 will also satisfy this requirement.

Total Hours
3

V. Life & Physical Sciences  (six hours)

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<tr>
<th>Code</th>
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Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on experiences.

Select one of the following: 1-4

- ASTR 1107  Astronomy Lab I
- ASTR 1307  Elem Astronomy-Solar System
- ASTR 1308  Elem Astr Stars & Galaxies
- BIOL 1103  Introductory Biology Lab
- BIOL 1104  Human Biology Laboratory
- BIOL 1107  Topics in Study of Life I
- BIOL 1108  Organismal Biology Laboratory
- BIOL 1203  Introductory Biology
- BIOL 1304  Human Biology
- BIOL 1305  General Biology
- BIOL 1306  Organismal Biology
- BIOL 2111  Human Anat/Physio Lab I
- BIOL 2113  Human Anat/Physio Lab II
- BIOL 2311  Human Anat/Physiology I
- BIOL 2313  Human Anat/Physiology II
- CHEM 1105  Laboratory for CHEM 1305
- CHEM 1106  Laboratory for CHEM 1306
- CHEM 1107  Intro General Chemistry Lab
- CHEM 1108  Intro Organic & Biochem Lab
- CHEM 1305  General Chemistry
- CHEM 1306  General Chemistry
- CHEM 1307  Intro to General Chemistry
- CHEM 1308  Intro Organic & Biochemistry
- ESCI 1101  Environmental Sci. Lab
- ESCI 1102  Non-major Lab for ESCI 1301
- ESCI 1202  Intro to Environment Science 2
- ESCI 1301  Intro to Environmental Sci
- GEOG 1106  Laboratory for GEOG 1306
- GEOG 1306  Physical Geography
- GEOL 1103  Lab for GEOL 1313
- GEOL 1104  Lab for GEOL 1314
- GEOL 1111  Principles of Earth Sci - Lab
- GEOL 1112  Laboratory for Geology 1212
- GEOL 1211  Principles of Earth Sciences
- GEOL 1212  Principles of Earth Science
- GEOL 1230  The Blue Planet
- GEOL 1231  Natural Hazards
- GEOL 1313  Intro to Physical Geology
- GEOL 1314  Intro to Historical Geol
- HSCI 2302  Fundamentals of Nutrition
- HSCI 2303  Wellness Dynamics
- MICR 2330  Microorganisms and Disease
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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>PHYS 1403</td>
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<td>PHYS 1404</td>
<td>General Physics II</td>
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<tr>
<td>PHYS 2120</td>
<td>Laboratory for PHYS 2320</td>
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<tr>
<td>PHYS 2121</td>
<td>Laboratory for PHYS 2321</td>
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<td>PHYS 2320</td>
<td>Introductory Mechanics</td>
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<td>PHYS 2321</td>
<td>Introductory Electromagnetism</td>
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**Total Hours**  6

### VI. Political Science (six hours)

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<td>POLS 2311</td>
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**Total Hours**  6

### VII. Social and Behavioral Sciences (three hours)

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<td>ANTH 1302</td>
<td>Intro-Cultural Anthropology</td>
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<td>ANTH 1310</td>
<td>Cultural Geography</td>
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<td>ANTH 2320</td>
<td>Intro to Linguistics</td>
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<tr>
<td>CE 2326</td>
<td>Econ for Engrs &amp; Scientists</td>
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<tr>
<td>ASIA 2300</td>
<td>Asian American Studies</td>
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<tr>
<td>COMM 2350</td>
<td>Interpersonal Communication</td>
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<td>COMM 2372</td>
<td>Mass Media and Society</td>
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<tr>
<td>ECON 2303</td>
<td>Principles of Macroeconomics</td>
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<td>ECON 2304</td>
<td>Principles of Microeconomics</td>
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<td>EDPC 1301</td>
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<td>EDU 1342</td>
<td>Action Research in Classrooms</td>
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<tr>
<td>ENGL 2320</td>
<td>Introduction to Linguistics</td>
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<tr>
<td>GEOG 1310</td>
<td>Cultural Geography</td>
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<td>LEAD 2300</td>
<td>Community Service</td>
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<td>An Intro. to Linguistics</td>
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<td>LING 2340</td>
<td>Lang. Inside &amp; Out: Sel Topics</td>
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<td>PSYC 1301</td>
<td>Introduction to Psychology</td>
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<td>SOCI 1301</td>
<td>Introduction to Sociology</td>
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**Total Hours**  3

### VIII. Creative Arts (three hours)

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<td>Art Appreciation</td>
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<tr>
<td>ARTH 1305</td>
<td>History of Art I</td>
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</tr>
<tr>
<td>Code</td>
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<td>Hours</td>
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<tr>
<td>ARTH 1306</td>
<td>History of Art II</td>
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<tr>
<td>CHIC 1311</td>
<td>Chicana/o Fine Arts Appreciat</td>
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<td>DANC 1304</td>
<td>Dance Appreciation</td>
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<tr>
<td>FILM 1390</td>
<td>Intro-Art of Motion Pict.</td>
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<tr>
<td>MUSL 1324</td>
<td>Music Appreciation</td>
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<tr>
<td>MUSL 1327</td>
<td>Jazz to Rock</td>
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<tr>
<td>MUSL 2321</td>
<td>Music, Culture, and Society</td>
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**Total Hours**
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**IX. Component Area Option (six hours)**

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<td>BUSN 1301</td>
<td>Intro to Global Business</td>
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<td>COMM 1301</td>
<td>Public Speaking</td>
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<tr>
<td>COMM 1302</td>
<td>Business/Profession Comm</td>
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<td>CS 1310</td>
<td>Intro-Computational Thinking</td>
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<td>CS 1320</td>
<td>Computer Programming Sci/Engr</td>
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<tr>
<td>EL 1301</td>
<td>Eng Innovation and Leadership</td>
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<td>LEAD 1300</td>
<td>Introduction to Leadership</td>
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<td>SCI 1301</td>
<td>Inquiry in Math &amp; Science</td>
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<tr>
<td>UNIV 1301</td>
<td>Seminar/Critical Inquiry</td>
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**Total Hours**
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To learn about the American Academy of Forensic Sciences (AAFS) (http://aafs.org/) please click on the link.

**4-Year Sample Degree Plan**

**Forensic Biology - starting with Pre-Calculus**

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<td>CHEM 1305</td>
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<td>SCI 1301</td>
<td>Inquiry in Math &amp; Science</td>
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<td>MATH 1411</td>
<td>Calculus I</td>
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<td>STAT 2480</td>
<td>Elementary Statistical Methods</td>
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<td>CHEM 2324</td>
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BS in Forensic Science

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<td>Rhetoric &amp; Composition I</td>
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**Spring**

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<tr>
<td>CHEM 2325</td>
<td>Organic Chemistry</td>
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<td>&amp; CHEM 2125</td>
<td>and Lab for Organic Chemistry 2325</td>
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<td>PHYS 1404</td>
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<td>RWS 1302</td>
<td>Rhetoric &amp; Composition 2</td>
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<tr>
<td>HIST 1302</td>
<td>History of U.S. Since 1865</td>
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**JUNIOR**

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<td>FORS 3370</td>
<td>Forensic Science I</td>
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<td>Public Speaking</td>
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<td>BIOL 3314</td>
<td>Molecular Cell Biology</td>
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<td>&amp; BIOL 3115</td>
<td>and Molecular Cell Biol Laboratory</td>
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**Spring**

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**SENIOR**

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**Notes:**

If you plan to apply to medical school, take CHEM 3330, CHEM 3332, BIOL 3320, BIOL 3314- BIOL 3115, MICR 2340- MICR 2141 from Section C on your degree plan.

**Total Hours: 128**

**Forensic Biology - starting with Calculus**

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If you plan to apply to medical school, take CHEM 3330, CHEM 3332, BIOL 3320, BIOL 3314- BIOL 3115, MICR 2340- MICR 2141 from Section C on your degree plan.

**Total Hours**

120

### Forensic Chemistry - starting with Calculus

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