Interdisciplinary Studies

Academic Degree Programs
Program: Forensic Science  
Major: Forensic Science  
Degree: Bachelor of Science (B.S.)

<table>
<thead>
<tr>
<th>Minimum Required Hours</th>
<th>University Core (Total Listed 42-44)</th>
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<tbody>
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For a full list of courses see [University Core](#).

- Courses from the major may apply to the areas marked in the University Core.

<table>
<thead>
<tr>
<th>Written and Oral Communication</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative Reasoning/Scientific Method</td>
<td>10-11</td>
</tr>
</tbody>
</table>
  - Math | 3 |
  - Life Science | 4 |
  - Physical Science | 3-4 |

<table>
<thead>
<tr>
<th>Critical Inquiry and Aesthetic Analysis</th>
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</tr>
</thead>
</table>
  - Aesthetic Analysis | 3 |
  - Critical Inquiry | 3 |

<table>
<thead>
<tr>
<th>Major Requirements</th>
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<tbody>
<tr>
<td><strong>Forensic Science</strong></td>
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<table>
<thead>
<tr>
<th>Required Courses</th>
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<tbody>
<tr>
<td>FRSC 2503</td>
<td>Intro to Forensic Science</td>
</tr>
<tr>
<td>FRSC 3043</td>
<td>Crime Scene Processing</td>
</tr>
<tr>
<td>FRSC 3123</td>
<td>Criminal Procedure for Forensic Science</td>
</tr>
<tr>
<td>FRSC 4253</td>
<td>Forensic Science Analysis &amp; Lab</td>
</tr>
<tr>
<td>FRSC 4900</td>
<td>Practicum in Forensic Science (3 hours) OR</td>
</tr>
<tr>
<td>FRSC 4930</td>
<td>Individual Study in Forensic Sci (3 hours) OR</td>
</tr>
<tr>
<td>FRSC 4950</td>
<td>Internship in Forensic Science (3 hours) OR</td>
</tr>
<tr>
<td>FRSC 4970</td>
<td>Study Tour in Forensic Science (3 hours) OR</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Other Required Courses</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 2103 OR STAT 2113</td>
<td>Intro to Statistics for Sciences</td>
</tr>
<tr>
<td>PSY 2753 OR PSY 3713</td>
<td>Psychological Statistics</td>
</tr>
<tr>
<td>SOC 4043 OR SOC 4043</td>
<td>Sociological Statistics</td>
</tr>
<tr>
<td>CJ 4043</td>
<td>Intro to CJ Statistics</td>
</tr>
<tr>
<td>ECON 2173</td>
<td>Principles of Business Statistics</td>
</tr>
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<table>
<thead>
<tr>
<th>Electives</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from the following or others as approved by the Forensic Science Undergraduate Coordinator to bring total hours in major to 30. Fifteen hours of the total 30 hours must be upper division courses.</td>
<td></td>
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<table>
<thead>
<tr>
<th>Additional Degree</th>
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</thead>
<tbody>
<tr>
<td>All students completing a B.S. in Forensic Science must complete an additional degree. The B.S. in Forensic Science may be combined with any UCO undergraduate major with the exception of General Studies.</td>
</tr>
</tbody>
</table>

The Forensic Science undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science degree: (A) Earn a concurrent degree; (B) Earn a second bachelor’s degree.
The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Minimum Grade Requirements

1. Average in all college course work and course work at UCO................................................................. 2.25

2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see Academic Degree Requirements.
Program: Forensic Science
Major: Forensic Science - Chemistry
Degree: Bachelor of Science (B.S.)

University of Central Oklahoma Undergraduate Catalog 2020-2021

University Core (Total Listed 42-44)

For a full list of courses see University Core.

- Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication .................................................... 9

Quantitative Reasoning/Scientific Method ................................. 10-11
  - Math ......................................................................................... 3
  - Life Science .......................................................................... 4
  - Physical Science ..................................................................... 3-4

Critical Inquiry and Aesthetic Analysis ............................................ 6
  Aesthetic Analysis .................................................................. 3
  Critical Inquiry ..................................................................... 3

American Historical and Political Analysis .................................. 6
  American National Government ............................................. 3
  American History .................................................................... 3

Cultural and Language Analysis .................................................. 3-4
  Second Language .................................................................. 4
  OR
  Cultural Analysis .................................................................... 3

Social and Behavioral Analysis ...................................................... 3

Life Skills ..................................................................................... 5
  Required Health Course ....................................................... 2
  Elective Life Skills .................................................................. 3

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Minimum Grade Requirements

1. Average in all college course work and course work at UCO ................................................................. 2.25

2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see Academic Degree Requirements.

Forensic Science - Chemistry .................................................. 32

Required Courses ................................................................. 24
FRSC  2503  Intro to Forensic Science
FRSC  3043  Crime Scene Processing
FRSC  3123  Criminal Procedure for Forensic Science
FRSC  4253  Forensic Science Analysis & Lab
FRSC  4323  Forensic Toxicology & Lab
FRSC  4513  Forensic Chemistry & Lab
FRSC  4533  Forensic Microscopy & Lab
FRSC  4900  Practicum in Forensic Science (3 hours) OR
FRSC  4930  Individual Study (3 hours) OR
FRSC  4950  Internship in Forensic Science (3 hours)

Other Required Courses ......................................................... 8
BIO   1114  General Biology
BIO   1211  University Life Sciences Lab
STAT  2103  Intro to Statistics for Sciences

Additional Degree (Chemistry, Chemistry ACS, or Chemistry-Health Sciences)

All students completing a B.S. in Forensic Science-Chemistry must complete an additional degree. The B.S. in Forensic Science-Chemistry must be combined with the B.S. in Chemistry or B.S. in Chemistry-ACS Certificate or B.S. in Chemistry-Health Sciences.

The Forensic Science-Chemistry undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Chemistry degree: (A) Earn a concurrent degree by completing requirements in the Chemistry or Chemistry ACS or Chemistry - Health Sciences program and the additional 32 hours in the Forensic Science-Chemistry program; (B) Earn a second bachelor’s degree after possessing an appropriate Chemistry degree by completing 32 hours in the Forensic Science-Chemistry program.
Program: Forensic Science  
Major: Forensic Science - Digital Forensics  
Degree: Bachelor of Science (B.S.)

**University Core  (Total Listed 42-44)**

For a full list of courses see University Core.

- Courses from the major may apply to the areas marked in the University Core.

**Written and Oral Communication** ................................. 9

**Quantitative Reasoning/Scientific Method** ...................... 10-11
- Math ........................................................................... 3
- Life Science ................................................................. 4
- Physical Science .......................................................... 3-4

**Critical Inquiry and Aesthetic Analysis** ......................... 6
- Aesthetic Analysis ....................................................... 3
- Critical Inquiry ........................................................... 3

**Minimum Required Hours**

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>36</th>
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<tbody>
<tr>
<td><strong>Forensic Science - Digital Forensics</strong></td>
<td>36</td>
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<tr>
<td>Required Courses</td>
<td></td>
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<tr>
<td>FRSC 2503 Intro to Forensic Science</td>
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<tr>
<td>FRSC 2713 Digital Evidence</td>
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<tr>
<td>FRSC 3043 Crime Scene Processing</td>
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<tr>
<td>FRSC 3123 Criminal Procedure for Forensic Science</td>
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<tr>
<td>FRSC 4253 Forensic Science Analysis &amp; Lab</td>
<td></td>
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<tr>
<td>FRSC 4463 Digital Forensics &amp; Lab</td>
<td></td>
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<tr>
<td>FRSC 4633 Digital Forensics Tools and Analysis &amp; Lab</td>
<td></td>
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<tr>
<td>FRSC 4653 Mobile Device Forensics &amp; Lab</td>
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<tr>
<td>FRSC 4673 Network Forensics &amp; Lab</td>
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<tr>
<td>ISOM 3343 IT Security and Risk Management OR CMSC 4323 Computer and Network Security</td>
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<tr>
<td>CJ 4523 Cyber Crime</td>
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<tr>
<td>FRSC 4900 Practicum in Forensic Science (3 hours) OR FRSC 4930 Individual Study (3 hours) OR FRSC 4950 Internship in Forensic Science (3 hours)</td>
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**Additional Degree**

All students completing a B.S. in Forensic Science-Digital Forensics must complete an additional degree in one of five majors. The B.S. in Forensic Science-Digital Forensics must be combined with the B.B.A. in Information and Operations Management - Management Information System (MIS degree), B.S. in Computer Science, B.S. in Computer Science-Applied, B.S. in Computer Science-Information Science, or B.S. in Software Engineering.

The Forensic Science-Digital Forensics undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Digital Forensics degree: (A) Earn a concurrent degree by completing requirements in one of the five majors above and the additional 36 hours in the Forensic Science-Digital Forensics program; (B) Earn a second bachelor's degree after possessing an appropriate MIS, Computer Science or Software Engineering degree by completing 36 hours in the Forensic Science-Digital Forensics program.

At least two courses from the following list, each with an associated laboratory, must be completed by all students:

- American Historical and Political Analysis ........................................... 6
- American National Government ...................................................... 3
- American History ........................................................................... 3

**Cultural and Language Analysis** ........................................... 3-4
- Second Language ........................................................................... 4
  OR
- Cultural Analysis ........................................................................... 3

**Social and Behavioral Analysis** ................................................ 3

**Life Skills** .............................................................................. 5
- Required Health Course ............................................................... 2
- Elective Life Skills ........................................................................... 3

**American Historical and Political Analysis**
- PHY 1114 General Physics I & Lab AND PHY 1114L General Physics I Laboratory
- PHY 1214 General Physics II & Lab AND PHY 1214L General Physics II Laboratory
- CHEM 1103 General Chemistry I AND CHEM 1112 General Chemistry I Recitation/Laboratory
- CHEM 1223 General Chemistry II AND CHEM 1232 General Chemistry II Recitation/Laboratory
- BIO 1114 General Biology AND BIO 1211 University Life Sciences Lab

The following courses are required for all four tracks in Computer Science/Software Engineering and must be chosen as a part of the degree requirements:

- CMSC 3413 Enterprise Programming OR CMSC 4303 Mobile Apps Programming OR CMSC 4373 Web Server Programming CMSC 4153 Operating Systems

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

**Minimum Grade Requirements**

1. Average in all college course work and course work at UCO ................................................................. 2.25
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see Academic Degree Requirements.
Program: Forensic Science
Major: Forensic Science - Molecular Biology
Degree: Bachelor of Science (B.S.)

University Core (Total Listed 42-44)

For a full list of courses see University Core.

- Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication .................................................. 9
Quantitative Reasoning/Scientific Method .................................. 10-11
  - Math .......................................................................................... 3
  - Life Science ............................................................................. 4
  - Physical Science ....................................................................... 3-4
Critical Inquiry and Aesthetic Analysis ........................................ 6
  Aesthetic Analysis ........................................................................ 3
  Critical Inquiry .......................................................................... 3

Major Requirements

Forensic Science - Molecular Biology .................. 36

Required Courses ................................................................. 36
FRSC 2503 Intro to Forensic Science
FRSC 3043 Crime Scene Processing
FRSC 3123 Criminal Procedure for Forensic Science
FRSC 4253 Forensic Science Analysis & Lab
FRSC 4333 Forensic Molecular Biology & Lab
FRSC 4343 Forensic Serology & Lab
FRSC 4533 Forensic Microscopy & Lab
FRSC 4613 Advanced Forensic DNA Analysis and Lab
FRSC 4900 Practicum in Forensic Science (3 hours) OR
FRSC 4930 Individual Study (3 hours) OR
FRSC 4950 Internship in Forensic Science (3 hours)
PHY 1214 General Physics II & Lab
CHEM 3323 Organic Chemistry II
CHEM 3332 Organic Chemistry II Lab

Additional Degree (Biology, Biology-Biomedical Sciences, or Biology-Medical Laboratory Science)

All students completing a B.S. in Forensic Science-Molecular Biology must complete an additional degree. The B.S. in Forensic Science-Molecular Biology must be combined with the B.S. in Biology, Biology-Biomedical Sciences, or Biology-Medical Laboratory Science.

The Forensic Science-Molecular Biology undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Molecular Biology degree: (A) Earn a concurrent degree by completing requirements in the Biology or Biology-Biomedical Sciences, or Biology-Medical Laboratory Science program and the additional 36 hours in the Forensic Science-Molecular Biology program; (B) Earn a second bachelor's degree after possessing an appropriate Biology degree by completing 36 hours in the Forensic Science-Molecular Biology program.

American Historical and Political Analysis ...................... 6
American National Government ..................................... 3
American History ................................................................. 3

Cultural and Language Analysis .............................. 3-4
  Second Language ................................................................. 4
  OR
  Cultural Analysis ................................................................. 3

Social and Behavioral Analysis ................................. 3
Life Skills ............................................................................... 5
  Required Health Course ........................................................ 2
  Elective Life Skills ................................................................. 3

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

The following courses are required and will prepare the student to meet The FBI Quality Assurance Standards For Forensic DNA Testing Laboratories and must be chosen as a part of the Biology or Biology-Biomedical Sciences or Biology-Medical Laboratory Science degree requirements:

BIO 3303 Genetics
BIO 3311 Genetics Lab
BIO 4743 Population Genetics & Lab
CHEM 3403 Biochemistry

Minimum Grade Requirements
1. Average in all college course work and course work at UCO ...................... 2.25
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see Academic Degree Requirements.