Interdisciplinary Studies

Academic Degree Programs
Specific courses within the University Core are listed on pages 95-96.
- 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 ................................................................. 30

Required Courses ................................................................. 15
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 4900 Practicum in Forensic Science (3 hours) OR
FRSC 4930 Individual Study in Forensic Science (3 hours) OR
FRSC 4950 Internship in Forensic Science (3 hours) OR
FRSC 4970 Study Tour in Forensic Science (3 hours)

Other Required Courses .......................................................... 3
STAT 2103 Intro to Statistics for Sciences OR
STAT 2113 Statistical Methods OR
PSY 2753 Psychological Statistics OR
PSY 3713 Advanced Statistics OR
SOC 4043 Sociological Statistics OR
CJ 4043 Intro to CJ Statistics OR
ECON 2173 Principles of Business Statistics

Electives ................................................................. 12
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.
FRSC 2000 Topics in Forensic Science
FRSC 2613 Behavioral Aspects of Crime Scenes
FRSC 2713 Digital Evidence
FRSC 2733 DNA for Crime Scene Investigators
FRSC 2823 Wildlife Forensics
FRSC 3000 Workshop in Forensic Science
FRSC 3223 Landmark Cases in Forensic Science
FRSC 3323 Forensic Interviewing
FRSC 3333 Forensic Investigation of Mass Disasters
FRSC 3423 Clandestine Laboratories
FRSC 3990 Advanced Topics in Forensic Science
FRSC 4143 Crime Scene Reconstruction
FRSC 4153 Crime Scene Photography
FRSC 4163 Medicolegal Forensics
FRSC 4243 Forensic Psychology
FRSC 4263 Forensic and Biological Anthropology
FRSC 4273 Advanced Fingerprint Analysis
FRSC 4303 Forensic Archaeology
FRSC 4313 Forensic Pathology
FRSC 4323 Forensic Toxicology & Lab
FRSC 4333 Forensic Molecular Biology & Lab
FRSC 4343 Forensic Serology & Lab
FRSC 4353 Firearm and Toolmark Analysis
FRSC 4413 Bloodstain Pattern Analysis
FRSC 4423 Bloodstain Pattern Analysis II
FRSC 4443 Forensic Arson Investigation
FRSC 4463 Digital Forensics & Lab
FRSC 4513 Forensic Chemistry & Lab
FRSC 4533 Forensic Microscopy & Lab
FRSC 4543 Advanced Firearm and Toolmark & Lab
FRSC 4553 WMD Forensics
FRSC 4613 Advanced Forensic DNA Analysis
FRSC 4633 Digital Forensics Tools and Analysis & Lab
FRSC 4653 Mobile Device Forensics & Lab
FRSC 4673 Network Forensics & Lab
FRSC 4713 Forensic Pharmacology
FRSC 4813 Ethics and Professional Development
FRSC 4910 Seminar in Forensic Science
FRSC 4930 Individual Study in Forensic Science
FRSC 4940 Field Study in Forensic Science
FRSC 4950 Internship in Forensic Science
FRSC 4960 Institute in Forensic Science
FRSC 4970 Study Tour in Forensic Science
FRSC 4980 Workshop in Forensic Science

Additional Degree
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.

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 pages 66-67 of the 2019-2020 catalog.
Program: Forensic Science
Major: Forensic Science - Chemistry
Degree: Bachelor of Science (B.S.)

University of Central Oklahoma Undergraduate Catalog 2019-2020
University Core  (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.
• 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 pages 66-67 of the 2019-2020 catalog.

Major 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)

Specific courses within the University Core are listed on pages 95-96.
- 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

Major Requirements
Forensic Science - Digital Forensics ............................ 36

Required Courses .................................................................... 36
FRSC 2503 Intro to Forensic Science
FRSC 2713 Digital Evidence
FRSC 3043 Crime Scene Processing
FRSC 3123 Criminal Procedure for Forensic Science
FRSC 4253 Forensic Science Analysis & Lab
FRSC 4463 Digital Forensics & Lab
FRSC 4633 Digital Forensics Tools and Analysis & Lab
FRSC 4653 Mobile Device Forensics & Lab
FRSC 4673 Network Forensics & Lab
ISOM 3343 IT Security and Risk Management OR
CMSC 4323 Computer and Network Security

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

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 pages 66-67 of the 2019-2020 catalog.
Program: Forensic Science
Major: Forensic Science - Molecular Biology
Degree: Bachelor of Science (B.S.)

University Core  (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.
• 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
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 pages 66-67 of the 2019-2020 catalog.