

Interdisciplinary Studies

Academic Degree Programs



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

Forensic Science Institute
 Academic Affairs
 Major Code: 7020

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 91-92.

• 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

**Minimum
 Required Hours**

Major Requirements

Forensic Science **30**

Required Courses..... 11-13

FRSC 2503 Intro to Forensic Science

FRSC 4043 Crime Scene Processing

FRSC 4253 Forensic Science Analysis & Lab

FRSC 4900 Practicum in Forensic Science **OR**

FRSC 4930 Individual Study in Forensic Science **OR**

FRSC 4950 Internship in Forensic Science **OR**

FRSC 4970 Study Tour in Forensic Science

Other Required Courses..... 9

CJ 3423 Laws of Arrest, Search & Seizure

CJ 4313 Ethics and Testimony

STAT 2103 Intro to Statistics for Sciences **OR**

STAT 3103 Statistical Methods I **OR**

PSY 2753 Psychological Statistics **OR**

PSY 3713 Advanced Statistics **OR**

SOC 4043 Sociological Statistics **OR**

ECON 2173 Principles of Business Statistics

Electives **8-10**

Select from the following or others as approved by the Forensic Science Undergraduate Coordinator to bring total hours in major to 30.

FRSC 2000 Topics in Forensic Science

FRSC 2613 Behavioral Aspects of Crime Scenes

FRSC 2713 Digital Evidence

FRSC 2823 Wildlife Forensics

FRSC 3000 Workshop in Forensic Science

FRSC 3990 Advanced Topics in Forensic Science

FRSC 4263 Forensic and Biological Anthropology

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 4443 Forensic Arson Investigation

FRSC 4463 Digital Forensics

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 & Analysis
- 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 Major

All students completing a B.S. in Forensic Science must complete an additional major. 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 three mechanisms for earning the Forensic Science degree or major: (A) Earn a double major; (B) Earn a dual degree; (C) Earn a second bachelor's degree.

Total minimum hours required..... **124**

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 63-64 of the 2012-2013 catalog.

Program: **Forensic Science**
 Major: **Forensic Science - Chemistry**
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute
 Academic Affairs
 Major Code: 7021

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 91-92.

• 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

Minimum
Required Hours

Major Requirements

Forensic Science - Chemistry 35

Required Courses..... 21

FRSC 2503 Intro to Forensic Science

FRSC 4043 Crime Scene Processing

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)

Other Required Courses..... 14

BIO 1114 General Biology

BIO 1211 General Biology Laboratory

CJ 3423 Laws of Arrest, Search & Seizure

CJ 4313 Ethics and Testimony

STAT 2103 Intro to Statistics for Sciences

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 63-64 of the 2012-2013 catalog.

Additional Major (Chemistry or Chemistry ACS)

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

The Forensic Science-Chemistry undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Chemistry degree or major: (A) Earn a dual degree by completing requirements in the Chemistry or Chemistry ACS program and concurrently completing the additional 35 hours in the Forensic Science program; (B) Earn a second bachelor's degree after possessing an appropriate Chemistry degree by completing 35 hours in the Forensic Science program for an additional degree.

Total minimum hours required..... 124

Program: **Forensic Science**
 Major: **Forensic Science - Molecular Biology**
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute
 Academic Affairs
 Major Code: 7022

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 91-92.

• 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

Minimum
Required Hours

Major Requirements

Forensic Science - Molecular Biology..... 39

Required Courses..... 33

- FRSC 2503 Intro to Forensic Science
- FRSC 4043 Crime Scene Processing
- 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)
- PHY 1214 General Physics II & Lab
- CHEM 3323 Organic Chemistry II
- CHEM 3332 Organic Chemistry II Lab

Other Required Courses..... 6

- CJ 3423 Laws of Arrest, Search & Seizure
- CJ 4313 Ethics and Testimony

Additional Major (Biology)

All students completing a B.S. in Forensic Science-Molecular Biology must complete an additional major. The B.S. in Forensic Science-Molecular Biology must be combined with the B.S. in Biology.

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 or major: (A) Earn a dual degree by completing requirements in the Biology program and concurrently completing the additional 39 hours in the Forensic Science program; (B) Earn a second bachelor's degree after possessing an appropriate Biology degree by completing 39 hours in the Forensic Science program for an additional degree.

Total minimum hours required..... 124

The following courses are required and will prepare the student to meet the National DNA Advisory Board Guidelines and should be chosen as a part of the Biology degree requirements:

- BIO 3303 Genetics
- BIO 3311 Intro Genetics Lab Methods
- BIO 4454 Molecular Cell Physiology and Lab
- BIO 4743 Molecular and Population Genetics
- 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 63-64 of the 2012-2013 catalog.