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 & 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.

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.