ACADEMIC CATALOG
2026-2027



MIDWAY
UNIVERSITY

Midway University
Course Catalog - Science

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Forensic Science Minor

Type: Minor

Requirements

Required Courses:

CRJ 101 - Introduction to Criminal Justice - 3 hours

SCI-101 - Introduction to Forensic Science - 3 hours

Select One of the following:

MTH 139 - Introduction to Statistics - 3 hours

MTH 245 - Probability and Statistics - 3 hours

Select two of the following, at least one with lab:

BIO 225 - Microbiology - 3 hours

BIO 226 - Microbiology Laboratory - 1 hour

BIO 320 - Histology - 2 hours

BIO 321 - Histology Laboratory - 2 hours

BIO 325 - Genetics and Molecular Biology - 3 hours

BIO 328 - Genetics and Molecular Biology Laboratory - 1 hour

BIO 420 - Biochemistry - 3 hours

BIO 421 - Biochemistry Laboratory - 1 hour

BIO 310 - Topics in Biology - 3 hours

CHM 310 - Special Topics in Chemistry - 3 hours

CSE 400 - Cybersecurity - 3 hours

Select two of the following:

CRJ 305 - Constitutional Rights and Criminal Procedures - 3 hours

CRJ 370 - Criminological Theory - 3 hours

CRJ-401 - Foundations of Forensics - 3 hours

CRJ-402 - Courtroom Testimony and Documentation - 3 hours

CRJ 405 - Criminal Justice Ethics - 3 hours

CRJ-411 - Applied Interprofessional Collaboration - 3 hours

CRJ-412 - Psychosocial and Legal Aspects of Forensic - 3 hours

CRJ 420 - Criminal Investigation - 3 hours

PSY 350 - Forensic Psychology - 3 hours

PSY 360 - Psychopharmacology - 3 hours

PSY 370 - Beginning Practicum in ADC - 3 hours

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Courses

SCI-101 - Introduction to Forensic Science

An introduction to the fundamental concepts of forensics science. This course will examine the principles, theories, and practices of forensic science as applied to the US legal system. Procedures and requirements for the collection, analysis, and interpretation of evidence by the appropriate experts will be discussed. The proper role of evidence and its application in legal proceedings will be examined. No prerequisites.

Grade Basis: L
Credit hours: 3.0

SCI 401 - Ethical Issues in Science

Course assists the students in values clarification and identification and problem solving involving ethical dimensions of everyday practice in scientific research, health and environmental related professions. Prerequisite: Junior standing and 12 hours of biology. Also listed as ENV 401. Designated critical thinking.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

Restrictions:

- Junior standing and 12 hours of biology.

SCI 405 - Introduction to Biological Research

This course is an introduction to methods of biological research and writing. The topic for a biologically relevant literature review is chosen, a literature search is completed, and a formal literature review is written; a topic may be chosen to prepare a student for a particular research project in BIO 488 but is not required to do so. Prerequisite: Junior standing and a minimum of 12 hours each of biology and chemistry.

Upon completion, students will be able to:

- Demonstrate the ability to identify the major attributes of a research article: objective, hypothesis, controls, results, conclusions.
- Demonstrate the ability to critically evaluate primary literature.
- Demonstrate critical thinking by writing a clear and concise mini review of a biologically relevant scientific topic.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

Restrictions:

- Junior standing and a minimum of 12 hours each of biology and chemistry.

SCI 488 - Senior Science Capstone

The student will, under scientist supervision, carry to completion an independent scientific research project of a biological nature. The data collected from BIO/MTH 487 will be used to write a scientific paper which will be edited and formatted into a document suitable for publication in a peer reviewed journal. Additionally, the student will present this work to faculty and students in a manner appropriate for presentation at a research conference. The project will be written in a scientific style suitable for publication and presented to faculty and students at completion. Prerequisite: Senior standing and satisfactory completion of SCI 405 and at least 2 credits of BIO/MTH/SCI 487.

Grade Basis: L
Credit hours: 3.0

Prerequisites:

- SCI 405 - Introduction to Biological Research
- SCI 487 - Senior Research Data Collection

SCI 487 - Senior Research Data Collection

Under the supervision of a scientist, students will conduct research to gather data for research papers to be completed in BIO 488 or other research capstone course. Prerequisite: Senior standing and satisfactory completion of BIO 405. Can be repeated for up to four credits. Second two credits will count as two credits of Major Electives.

Grade Basis: L
Credit hours: 2.0

Prerequisites:

- SCI 405 - Introduction to Biological Research

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