Interested in studying the fascinating intersection of science and law? Forensic science may be the perfect path for you. Millersville University offers a forensic science guidance committee made up of several experienced faculty members from departments such as biology, chemistry, psychology and sociology/anthropology to assist students along this academic path. Students select one of the majors listed below and are advised in a series of courses from multiple disciplines, resulting in an interdisciplinary approach that offers preparation for graduate school or the next step in a career in forensic science.

WHAT IS FORENSIC SCIENCE?

Forensic science is the general application of science to law. More specifically, it applies the knowledge and technology of the natural, physical and social sciences in an interdisciplinary approach to better define and enforce the criminal and civil laws of society. The American Academy of Forensic Science (AAFS), the governing professional society for individuals working in the field of forensic sciences recognizes the following disciplines within the field:

- pathology and biology
- questioned documents
- jurisprudence
- toxicology
- odontology
- psychiatry
- criminalistics
- anthropology
- emerging specialty areas include engineering, entomology, geology, meteorology and microbiology

A degree in forensic science can help a student pursue careers in many fields including:

- Medical Examiner
- Forensic Odontologist
- Crime Laboratory Analyst
- Crime Scene Examiner
- Forensic Engineer
- Psychological Profiler
- Social Science or Statistics Technical Assistant
- Forensic Nursing (FN)
- Medico-legal Death Investigator
- Expert Witness Consultant

Three University professors—Dr. John Wallace in the Department of Biology, Dr. Maria Schiza, Department of Chemistry and Dr. Mary Glazier, Department of Sociology and Anthropology—can offer specialized guidance for MU students looking to pursue forensic science. They are able to offer suggestions on courses that are either required or strongly recommended for employment in the field. They can also offer guidance for non-science majors interested in electives related to forensic science.

COURSES

Many of the courses below can be applied to the academic pursuit of forensic science:

**BIOL 100 or BIOL 101; CHEM 112; ENGL 110**
- Genetics and Molecular Biology (BIOL 364)*
- Plant Systematics (BIOL 325)
- Entomology (BIOL 416)
- Conservation Biology (BIOL 443)
- Functional Human Anatomy (BIOL 356)
- Biometry (BIOL 375)
- Molecular and Cell Techniques (BIOL 466)
- Seminar: Forensic Entomology (BIOL 472)

*Indicates courses that are required in order to secure an entry level position in most Biological Science Units in Forensic Investigations Laboratories

**CHEM 112**
- Organic Chemistry I (CHEM 231)
- Organic Chemistry II (CHEM 232)
- Quantitative Analysis (CHEM 265)
- Biochemistry (CHEM 326)
- Analytical Chemistry (CHEM 465)

**CHEM 112**
- Physical Geology (ESCI 221)
- Geomorphology (ESCI 225)
- Mesoscale Meteorology (ESCI 444)
- Synoptic Meteorology (ESCI 441)

**CHEM 112**
- Medical Adv. in Health Care (NURS 315)
- Psych. Adv. in Health Care (NURS 316)
- Social Science or Statistics Technical Assistant
- Forensic Nursing (FN)
- Medico-legal Death Investigator
- Expert Witness Consultant

**PHYS 231**
- Physics I (w/Calculus) (PHYS 231)
- Physics II (w/Calculus) (PHYS 232)
- Mechanics I (PHYS 311)
- Mechanics II (PHYS 312)
- Macro. Phen./Thermo. (PHYS 334)

**PHYS 231**
- Criminology (SOCY 230)
- SCOC 101
- Intro to Crim. Just. System (SOCY 331)
- Topics in Criminology (SOCY 339)
- Intro to Archaeology (ANTH 121)
- Forensic Anthropology (ANTH 233)
- Psych. Adv. in Health Care (NURS 316)
- Social Science or Statistics Technical Assistant
- Forensic Nursing (FN)
- Medico-legal Death Investigator
- Expert Witness Consultant

**SOCY 101, 230**
- Medical Adv. in Health Care (NURS 315)
- Psych. Adv. in Health Care (NURS 316)
- Social Science or Statistics Technical Assistant
- Forensic Nursing (FN)
- Medico-legal Death Investigator
- Expert Witness Consultant

**ANTH 122, 123**

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