FORENSIC AND INVESTIGATIVE SCIENCES - BS, PRE-LAW EMPHASIS

Forensic and Investigative Sciences, an accredited program by the Forensic Science Education Programs Accreditation Commission (FEPAC), is a major offered by the Department of Entomology and is a growing area of interest for students seeking to gain entry into careers that deal with the collection, preservation, processing and use of evidentiary information to solve problems. A life sciences-based education, which develops skills in problem solving and critical thinking, is essential for career opportunities in this field. Forensic and investigative scientists rely upon state-of-the-art scientific discoveries and technologies as tools to seek answers to critical questions in a variety of settings. Molecular, organismal, environmental, and ecological sources of information are often analyzed and interpreted in industrial, regulatory, legal, medical and associated professions. Graduates will be competitive for employment opportunities in quality assurance laboratories, homeland security and investigative services at local, state and national levels. Graduates will also be well prepared for opportunities to enter post-graduate studies or professional schools including medicine, law, and veterinary medicine.

Interactions with and among plants, animals and microbes occur regularly. These interactions impact public and environmental health and require life science-based forensic and investigative science to improve the quality of life. Homeland security, criminal investigation, environmental quality, agricultural and public health offer careers for students with forensic and investigative skills. Students can also pursue avenues to forensic careers through degree programs in specialty areas such as chemistry, anthropology, physics, computer science and business.

Forensic and investigative sciences also operate at the crossroads of science and the legal profession, and provide opportunities for students to consider pre-law preparation. There are growing demands for attorneys with knowledge and understanding of science and research to address legal issues and cases where the interpretation of science and/or scientific data and analyses are pivotal. Law schools often seek candidates with diverse backgrounds and interests, and they look closely at curricula that stress analytical and problem-solving skills, critical reading abilities, writing skills, oral communication and listening abilities, general research skills, and task organization and management skills.

The Forensic and Investigative Sciences program provides students with opportunities to build these essential skills and knowledge areas through research abilities, writing skills, oral communication and listening abilities, general research skills, and task organization and management skills. The Forensic and Investigative Sciences program requires students to earn a grade of C or better in all courses within the program curriculum.

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>FIVS 205</td>
<td>Introduction to Forensic and Investigative Sciences</td>
<td>3</td>
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<tr>
<td>FIVS 308</td>
<td>Forensic Implications of Inheritance</td>
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FIVS 316 Biotechnology and Forensics 4
FIVS 401/SCSC 401 Forensic Soil Science 3
FIVS 415 Practice and Principles of Science and Law 3
FIVS 422 Crime Scene Investigation 2
FIVS 431/ENTO 431 The Science of Forensic Entomology 3
FIVS 432/ENTO 432 Applied Forensic Entomology 1
FIVS 435 Case Studies in Problem Solving 1 3
FIVS 481 Seminar 1 1
FIVS 482 Occupational and Professional Development 2
FIVS 484 Professional Internship 2 or FIVS 491 or Research

Natural Science Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
<td>8</td>
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<tr>
<td>&amp; BIOL 112</td>
<td>and Introductory Biology II</td>
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<tr>
<td>CHEM 101</td>
<td>Fundamentals of Chemistry I</td>
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</tr>
<tr>
<td>&amp; CHEM 111</td>
<td>and Fundamentals of Chemistry Laboratory I</td>
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<tr>
<td>CHEM 102</td>
<td>Fundamentals of Chemistry II</td>
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<tr>
<td>&amp; CHEM 112</td>
<td>and Fundamentals of Chemistry Laboratory II</td>
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<tr>
<td>CHEM 222</td>
<td>Elements of Organic and Biological Chemistry</td>
<td>3</td>
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Select one of the following:

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<tr>
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<tr>
<td>MATH 140</td>
<td>Mathematics for Business and Social Sciences</td>
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<tr>
<td>MATH 141</td>
<td>Finite Mathematics</td>
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<td>MATH 166</td>
<td>Topics in Contemporary Mathematics II</td>
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Life Science Core Requirements

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<th>Code</th>
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<th>Semester Credit Hours</th>
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<tr>
<td>AGLS 101</td>
<td>Modern Agricultural Systems and Renewable Natural Resources</td>
<td>1</td>
</tr>
<tr>
<td>BICH 303</td>
<td>Elements of Biological Chemistry</td>
<td>3</td>
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</table>

Directed Electives

Category I

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>AGEC 105</td>
<td>Introduction to Agricultural Economics</td>
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<tr>
<td>AGEC 315</td>
<td>Food and Agricultural Sales</td>
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<tr>
<td>AGEC 344</td>
<td>Food and Agricultural Law</td>
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<tr>
<td>AGEC 350</td>
<td>Environmental and Natural Resource Economics</td>
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<tr>
<td>AGEC 429</td>
<td>Agricultural Policy</td>
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</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics</td>
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</tbody>
</table>
Forensic and Investigative Sciences - BS, Pre-Law Emphasis

ECON 322 Applied Microeconomic Theory
ECON 323 Microeconomic Theory
ECON 420 Law and Economics
ESSM 406 Natural Resources Policy
MGMT 209 Business, Government and Society
MGMT 212 Business Law
POLS 351 Law and Legislation
POLS 356 Law, Politics and Policy
PSYC 305 Psychology of Adjustment
SOCI 211 Sociology of Deviance
SOCI 314 Social Problems
URPN 361 Urban Issues
URPN 401 Policy Implementation
URPN 450 Emergency Management Principles and Practices
WFSC 303 Fish and Wildlife Laws and Administration

Category 2
Select one of the following: 3
ALED 340 Survey of Leadership Theory
COMM 203 Public Speaking
COMM 243 Argumentation and Debate
COMM 305 Theories of Communication
COMM 325 Persuasion
COMM 443 Communication and Conflict
PSYC 354 Conflict and Negotiation
PSYC 371 Forensic Psychology
SOCI 304 Criminology

Category 3
Select one of the following: 3
ALED 202 Introduction to Leadership
ALED 301 Personal Leadership Education
ALED 424 Applied Ethics in Leadership
ALED 440 Leading Change
FIVS 421 Latent Print Processing
GENE 420 Bioethics
HIST 447 Law and Society in the United States
PHIL 111 Contemporary Moral Issues
PHIL 307 Philosophy of the Social Sciences
PHIL 314 Environmental Ethics
PHIL 315 Military Ethics
PHIL 334 Philosophy of Law
PHIL 480 Medical Ethics
RENR 470 Environmental Impact Assessment
SOCI 445 Sociology of Law

Additional 10 hours from any of the three categories of directed electives 10

University Core Curriculum Requirements
American history 6
Government/Political science 6
Communication 6
Creative arts 3
Language, philosophy and culture elective 3
Social and behavioral science 3
General Elective Requirement
General elective 3

Total Semester Credit Hours 120

1 This course fulfills a writing requirement. See Requirement for a Baccalaureate Degree section.
2 The Graduation requirements include a requirement for 6 hours of international and cultural diversity courses.

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