**FORENSIC SCIENCE DEGREE PROGRAM**

The Bachelor of Science degree in Forensic Science is the only four-year degree program in Georgia and is housed in the Department of Crimi- nal Justice and Forensic Science. Forensic Science is the application of scientific methods to crime scene investigation and criminal prosecution. The program is interdisciplinary and is based on the natural sciences; chemistry, physics and biology. This program prepares students for pro- fessional careers in crime laboratories as criminalists, trace evidence specialists, serologists, DNA specialists, toxicologists, drug analysts, firearms and fingerprint examiners, staff photographers and evidence technicians.

**BACHELOR OF SCIENCE IN FORENSIC SCIENCE**

**AREA A: ESSENTIAL SKILLS (9 hours) Credit Hrs.**

|  |  |  |  |
| --- | --- | --- | --- |
| ENGL | 1101 | English Composition I or | 3 |
| HONR | 1111 | Honors Humanities I (H) | 3 |
| ENGL | 1102 | English Composition II or | 3 |
| HONR | 1112 | Honors Humanities II (H) | 3 |
| SELECT ONE AS REQUIRED | | | |
| MATH | 1111 | College Algebra | 3 |
| MATH | 1101 | Math Modeling (Non-Science Majors) | 3 |
| MATH | 1113 | Pre-Calculus | 3 |
|  |  | (Required for the following majors Mathematics, Computer Science, |  |
|  |  | Chemistry, Biology, Forensic Science) |  |
| MATH | 1211 | Calculus I (Required for Pre-Engineering majors) | 4 |

**AREA B: INSTITUTIONAL OPTIONS (5 hours)**

COMM 1101 Public Speaking 3

HIST 1002 Intro to African Diaspora 2

**AREA C: HUMANITIES/FINE ARTS (6 hours)**

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|  |  |  |  |
| --- | --- | --- | --- |
| ENGL | 2111 | World Literature I | 3 |
| HONR | 2111 | Honors Humanities III (H) | 3 |
| SELECT ONE |  |  |  |
| ARAP | 1100 | Art Appreciation | 3 |
| ENGL | 2112 | World Literature II | 3 |
| MUSC | 1100 | Music Appreciation | 3 |
| FREN | 2201 | Intermediate French | 3 |
| GERM | 2221 | Intermediate German | 3 |
| SPAN | 2231 | Intermediate Spanish | 3 |
| FIAR | 1100 | Introduction to Fine Arts | 3 |

**AREA D: SCIENCE, MATH & TECH (10-11 hours) OPTION II - SCIENCE MAJORS (SELECT TWO)**

|  |  |  |  |
| --- | --- | --- | --- |
| CHEM | 1211 | General Chemistry I | 3 |
| CHEM | 1212 | General Chemistry II | 3 |
| PHYS | 1111 | Introductory Physics | 3 |
| PHYS | 1112 | Introductory Physics | 3 |
| PHYS | 2221 | Principles of Physics I | 3 |
| PHYS | 2222 |  | 3 |
| SELECT ONE |  |  |  |
| MATH | 1113 | Pre-Calculus | 3 |
| MATH | 1211 | Calculus I | 3 |
| MATH | 2212 | Calculus II | 3 |
| PHYS | 2100 | Computer Applications | 3 |

MAJOR EXIT EXAM FOSC 4201 L

(No Minimum or Maximum Required Score)

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The Academic requiements for Forensic Science program have been modified and specific admission criteria have been developed as recommended by the American Academy of Forensic Science's (AAFS) Forensic Science Education Programs Commision (FEPAC)

Requirements for Specific admission Critera for Forensic Science Majors:

1. Completion of 32 hours of the core curriculum with a min grade of C in each course and institutional requirements.

2. Completion of General Chemistry I and II (Chem 1211 and Chem 1212) and Organic Chem I, Intro/Prin of Physics I and II with a minimum grade of C.

3. A cumulative Grade Point Average of 2.5

4. Students seeking admission into the forensic program must pass the Regents Exams with no more than two attempts on each component of the exams.

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**AREA E: SOCIAL SCIENCE (12 hours)**

|  |  |  |  |
| --- | --- | --- | --- |
| POLS | 1101 | U.S. & Georgia Govt. or | 3 |
| HONR | 1161 | Honors American Govt. | 3 |
|  |  | (Optional for Honors Student Only) |  |
| SOCI | 2011 | Principles of Sociology | 3 |
| SOCI | 2031 | Introduction to Anthropology | 3 |

**ELECTIVES Select at least one HISTORY course and two other courses**

|  |  |  |  |
| --- | --- | --- | --- |
| ECON | 2105 | Macroeconomics | 3 |
| ECON | 2106 | Microeconomics | 3 |
| ECON | 2201 | Survey of Economics | 3 |
| GEOG | 1101 | Intro to Human Geography | 3 |
| HIST | 1111 | Survey of World History I | 3 |
| HIST | 1112 | Survey of World History II | 3 |
| HIST | 2111 | Survey of American History I |  |
| HIST | 2112 | Survey of American History II | 3 |
| HIST | 2113 | Minorities in America | 3 |
| HONR | 1151 | Honors World History I | 3 |
| HONR | 1152 | Honors World History II | 3 |
| PHIL | 2101 | Intro to Philosophy | 3 |
| POLS | 2101 | Intro to Political Science | 3 |
| POLS | 2102 | Intro to Law |  |
| PSYC | 1101 | General Psychology | 3 |
| SOCI | 2011 | Principles of Sociology | 3 |
| SOCI | 2031 | Introduction to Anthropology | 3 |

**ABOVE THE CORE: (6 hours)**

ASU 1200 Freshman Sem. & Serv. To Leadership 3

**SELECT THREE**

|  |  |  |  |
| --- | --- | --- | --- |
| HEDP | 1001 | Introduction to Wellness | 1 |
| PEDH | 1001 | Team Sports | 1 |
| PEDH | 1002 | Fitness | 1 |
| PEDH | 1003 | Recreational Skills I | 1 |
| PEDH | 1004 | Recreational Skills II | 1 |
| PEDH | 1005 | Lifetime Skills I | 1 |
| PEDH | 1006 | Lifetime Skills II | 1 |
| PEDH | 1007 | Aquatics | 1 |

**AREA F: Program of Study Related Courses (18 hrs)**

FOSC 2100 Intro to FOSC w/lab

FOSC 2120 Forensic Photography

CHEM 2301 Organic Chemistry I CHEM 2302 Organic Chemistry II

Select Any One

CHEM 2351 Quantitative Analysis

BIOL 2111 General Biology

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**AREA G 23 Hours Supporting Courses for the Major** Minimum one course (3 or 4 hr) required in each of CHEM, PHYS, BIOL, and MATH or SOC Groups (I-IV)

|  |  |  |
| --- | --- | --- |
| **Group I**  CHEM | 3250 | Biochemistry |
| CHEM | 3221 | Physical Chemistry I |
| CHEM | 3222 | Physical Chemistry II |
| **Group I**  PHYS | 2221 | Principles of Physics I and |
| PHYS | 2222 | Principles of Physics II or |
| PHYS | 1111 | Introductory Physics I and |
| PHYS | 1122 | Introductory Physics II |
| **Group III** |  |  |
|  |  |  |
|  |  |  |
| BIOL | 3101 | Environmental Biology |
| BIOL | 3501 | Principles of Genetics |
| BIOL | 4701 | Cell and Molecular Biology |

**Group IV**

CRJU 3420 Criminal Justice Statistics, or R SOCI 4300 Behavioral Statisitcs, required

**AREA H 37 Hours Forensic Science Courses**

Required all 33 hours courses below:

FOSC 2120 Forensic Photography

FOSC 2130 Crime Scene Investigation I FOSC 2140 Crime Scene Investigation II FOSC 3020 Forensic Micro of Trace (w/lab) FOSC 3030 Criminal Evid. & Court Proc FOSC 4040 Forensic Sero & DNA (w/lab) FOSC 4050 Forensic Chemistry (w/lab) FOSC 4060 SEM-EDX of Trace Evid (w/lab) FOSC 4201L Evidence Analysis & Research I FOSC/CRJU 4999 Senior Capstone Seminar

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CRJU 1100 Introduction to Criminal Justice

FOSC 3100 International Forensic DNA

FOSC 3200 Bio-Terrorism and Biotechnology

FOSC 4120 Electron Optics (w/lab)

FOSC 4130 Expert Witness at Mock Trial

FOSC 4140 Fingerprint Technology (w/lab)

FOSC 4150 Evid. Proc. for Med. Techs. (w/lab)

FOSC 4160 Evidence Collection (w/lab)

Study/Chemistry Seminar

FOSC 2140 Crime Scene Investigation II

**PROGRAM OF STUDY FOR BACHELOR OF SCIENCE DEGREE IN FORENSIC SCIENCE**

**Freshman Year**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fall** |  |  |  | **Spring** |  | | |
| ENGL | 1101 | English Composition I | 3 | ENGL | 1102 | English Composition II | 3 |
| MATH | 1111 | College algebra | 3 | CHEM | 1212 | General Chemistry II | 4 |
| COMM | 1101 | Public Speaking | 3 | MATH | 1211/2212 | Pre Calculus/Calculus 1 | 3 or 4 |
| ASU | 1200 | Freshman Seminar & |  |  |  |  |  |
|  |  | Service to Leadership | 3 | HIST | 1002 | Intro to African Diaspora | 2 |
| BIOL |  |  |  | POLS | 1101 | US & Georgia Govt. | 3 |
| CHEM | 1211 | General Chemistry I | 4 |  |  |  |  |
| **Total** |  |  | **16** | **Total** |  |  | **15-16** |

**SophomoreYear**

**Fall Spring**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CHEM | 2301 | Organic Chemistry I | 4 | HIST Area E | 1111-2/ 2111-3 | Select one History | 3 |
| PHYS | 1111/2221 | Introductory Physics I |  |  |  |  |  |
|  |  | /Principles of physics I | 4 | PHYS | 1122/2222 | Introductory Physics I |  |
|  |  |  |  |  |  | /Principles of physics I | 4 |
| PEDH | 1001-1007 | ( Above the Core ) select one) | 1 | CHEM | 2302 | Organic Chemistry II | 4 |
| BIOL | Area G | Select one from Part III | 4 | FOSC | 2100/2000 | Introduction to Forensic Science | 3 |
| ENG | 2111 | World Literature | 3 | PEDH/HEDP | 1001-1007/1001 | ( Above the Core ) select one) | 1 |
| **Total** |  |  | **16** | **Total** |  |  | **15** |

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**Junior Year**

**Fall Spring**

CRJU 1100 Introduction to Criminal Justice 3 CHEM 3250 Biochemistry 4

CRJU/SOCI Area G Select one from Part IV 3 FOSC 2120 Forensic Photography 3

FOSC 2130 Crime Scene Investigation I 3 FOSC 2140 Crime Scene Investigation II 3

PEDH/HEDP 1001-1007/1001 ( Above the Core ) select one) 1 Area E Area E Select One other than History 3

FOSC 3030 Criminal Evidence & Court Proc. 3 PHYS 2100 Computer applications 3

Area E Area E Select one other than History 3

**Total 16 Total 16**

**SeniorYear**

**Fall Spring**

FOSC 3020 Forensic Micro of Trace (w/Lab 3 FOSC Area H Select one from the Specialization2/3

Area G Select one from Part I 4 Area C Select one World Literature II

or any of the languages 3

FOSC 4040 Forensic Serology & DNA

Technology 3 FOSC 4201L Evidence Anal/Research 3

FOSC 4050 Forensic Chemistry 3 FOSC /CRJU 4999 Senior Capstone seminar 3

FOSC 4060 SEM-EDX of Trace Evidence 3 Area G Area G Select one from Part I/II/III/IV 4

**Total 16 Total 15-16**