

IUPUI – FORENSIC AND INVESTIGATIVE SCIENCES PROGRAM

These courses are required for all students in the FIS program
www.forensic.iupui.edu

Required: SCI-I 120 Windows on Science. With permission another Learning Community may be substituted. 1 cr. _____

AREA I COMMUNICATION - 9 credits

A. English Composition - 6 credits
(Grade of a C or better in each course) 3 cr. _____
ENG - W 131 (ENG – W 140)
English Composition I

Second composition course
ENG - W 132 (ENG-W 150),
ENG - W 231 or TCM 320 3 cr. _____

B. Speech Communication - 3 credits
COMM - R 110 Speech Communication 3 cr. _____

AREA II FOREIGN LANGUAGE

A foreign language is not required for BS degrees.

AREA III GENERAL REQUIREMENTS - 44 credits

A. Humanities, Social Sciences, & Comparative World Cultures - 12 credits

HIST - H 114 Western Civilization II 3 cr. _____

One course each from List H, S and C

List H: _____ 3 cr. _____
List S: _____ 3 cr. _____
List C: _____ 3 cr. _____

B. Junior/Senior Integrator - 3 credits
FIS 415 Forensic Science and the Law 3cr. Fa

C. Physical and Biological Sciences - 20 credits
PHYS-P 201 General Physics I 5 cr. _____
PHYS-P 202 General Physics II 5 cr. _____
CHEM-C 105 Principles of Chemistry I 3 cr. _____
CHEM-C 125 Experimental Chemistry I 2 cr. _____
CHEM-C 106 Principles of Chemistry II 3 cr. _____
CHEM-C 126 Experimental Chemistry II 2 cr. _____

D. Math and Computer Science - 9 credits
MATH 221 Calculus for Tech I 3 cr. _____
MATH 222 Calculus for Tech II 3 cr. _____
CSCI-N 301 Fund. Of Computer Science Concepts 3 cr. _____

AREA IV MAJOR COURSES 76 credits

Students must have a grade of C- or higher for Courses listed in Area IV except FIS courses (see below)

A. Required Forensic Science Courses - 17 credits
(Grade of C or better in each FIS course; No grade below C accepted)
FIS 205 Concepts of Forensic Science I 3 cr. Fa
FIS 206 Concepts of Forensic Science II 3 cr. Sp
FIS 305 Professional Issues in Forensic Science 3 cr. Sp
FIS 402 Forensic Biology I 4 cr. Fa
FIS 403 Forensic Biology II 4 cr. Sp

B. Required Biology Courses - 26 credits
BIOL-K 101 Concepts of Biology I 5 cr. _____
BIOL-K 103 Concepts of Biology II 5 cr. _____
BIOL-K 322 Genetics & Molecular Biology 3 cr. _____
BIOL-K 323 Genetics & Molecular Biology Lab 2 cr. Fa
BIOL-K 338 Introductory Immunology 3 cr. Fa
BIOL-K 339 Immunology Lab 2 cr. Fa
BIOL-K 483 Biological Chemistry 3 cr. Fa
BIOL-K 484 Cellular Biochemistry 3 cr. Sp

C. Required Chemistry Courses - 10 credits
CHEM-C 341 Organic Chemistry I 3 cr. _____
CHEM-C 343 Organic Chemistry Lab I 2 cr. _____
CHEM-C 342 Organic Chemistry II 3 cr. _____
CHEM-C 344 Organic Chemistry Lab II 2 cr. _____

D. Required Criminal Justice Courses - 9 credits
SPEA-J 101 American Criminal Justice System 3 cr. _____
SPEA-J 303 Evidence 3 cr. Fa
SPEA-J 320 Criminal Investigation 3 cr. Sp

E. Required Statistics Course - 3 credits
STAT 301 Elementary Statistical Methods 3 cr. _____

F. Required Forensic Imaging Courses - 6 credits
(Grade of C or better in each FIS course; No grade below C accepted)
FIS 250 Photography at Crime Scene I 3 cr. Fa
And
FIS 251 Photography at Crime Scene II 3 cr. Fa

Or

FIS 260 Scientific Digital Imaging I 3 cr. Sp
And
FIS 261 Scientific Digital Imaging II 3 cr. Sp

G. Capstone Experience
(Grade of C or better in each FIS course; No grade below C accepted)
FIS 490 Capstone in Forensic Science 5 cr. _____

Students must maintain a minimum **2.5 GPA** for the FIS degree

See Next Page (or other side) for the List of electives.

Fa = Offered Fall Only Sp = Offered Spring Only

Biology Option

Effective Spring 2008

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AREA V ELECTIVES

A minimum of 124 credit hours must be completed for graduation. The number of elective hours needed will vary. The classes below may be chosen to reach the required 124 credit hour minimum for graduation. Some classes may require prerequisites. Please see your academic advisor to determine if elective hours are needed.

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|--|-----------------|
| ANTH-B 301 Lab in Bioanthropology | 3cr. _____ |
| ANTH-B 370 Human Variation | 3cr. <u>Sp</u> |
| ANTH-B 426 Human Osteology | 3cr. <u>Fa</u> |
| ANTH-B 480 Human Growth and Development | 3cr. _____ |
| ANTH-P 405 Field Work in Archeology | 3cr. <u>Sum</u> |
| CHEM-C 310 Analytical Chemistry | 1cr. <u>Fa</u> |
| CHEM-C 311 Analytical Chem. Lab | 2cr. <u>Fa</u> |
| CHEM-C 360 Elementary Physical Chem | 3cr. <u>Sp</u> |
| CHEM-C 410 Instrumentation | 3cr. <u>Fa</u> |
| CHEM-C 411 Instrumentation Lab | 2cr. <u>Fa</u> |
| CSCI-N 311 Adv. Database Program. | 3cr. _____ |
| CSCI-N 321 System & Network Admin | 3cr. _____ |
| CSCI 490 Cyber Crime Analysis | 3cr. _____ |
| CSCI 490 Biometric Computing | 3cr. _____ |
| FIS 401 Forensic Chemistry I | 4cr. <u>Fa</u> |
| FIS 404 Forensic Chemistry II | 4cr. <u>Sp</u> |
| GEOLOG 110 Physical Geology | 3cr. _____ |
| GEOLOG 120 Physical Geology Lab | 1cr. _____ |
| GEOLOG 221 Intro to Mineralogy | 4cr. _____ |
| GEOLOG xxx Forensic Geology | 3cr. _____ |
| GEOLOG 445 Applied Analytical Techniques in Geology | 3cr. _____ |
| PSY-B 105 Psychology as a Biological Science | 3cr. _____ |
| PSY-B 307 Tests and Measurements | 3cr. _____ |
| PSY-B 310 Life Span Development | 3cr. _____ |
| PSY-B 375 Psychology and the Law | 3cr. _____ |
| PSY-B 380 Abnormal Psychology | 3cr. _____ |
| SPEA-J 301 Substantive Criminal Law | 3cr. _____ |
| SPEA-J 222 Murder in America | 3cr. _____ |
| SPEA-V 272 Terrorism | 3cr. _____ |
| SPEA-J 324 Technology, Crime and Public Safety | 3cr. _____ |
| SPEA-H 316 Environmental Science & Health | 3cr. _____ |
| SPEA-H 459 Environmental Science & Health Data Analysis | 4cr. _____ |
| SPEA-H 460 Techniques in Environmental Health | 4cr. _____ |
| GEOG-G 338 Intro to Geographic Information Sys. | 3cr. _____ |
| SPEA-V 450/E 400 Geographic Information Sys. | 2cr. _____ |
| GEOLOG 451 Principles of Hydrogeology | 3cr. _____ |
| SPEA-E 431 Water Supply & Wastewater Treat. | 3cr. _____ |
| SPEA-H 431 Environmental Toxicology | 3cr. _____ |
| SPEA-E 451 Air Pollution & Control | 3cr. _____ |
| SPEA-E 452 Solid & Hazardous Waste Manage. | 3cr. _____ |

1. Courses taken outside of the Schools of Science and Liberal Arts (other than those listed that satisfy an area requirement or concentration) must receive departmental approval. No more than 6 credits of studio, clinical, athletic, or performing arts course work will be approved. See the departmental advisor.
2. Independent Study (correspondence) courses may be used for general electives up to a maximum of 12 credit hours. All independent study courses must be approved by the associate dean for academic programs and student development in the School of Science.
3. Courses taken on the Pass/Fail option are applied only as general electives and do not count toward any degree area requirements of the school or department.
4. A minimum of 124 credit hours must be completed for graduation. This total must include at least 32 credit hours in courses at the 300-level or above taken at the IUPUI campus. Residence of at least two semesters at the IUPUI campus is also required for graduation.
5. Some of the courses listed may have prerequisites that are not part of the required course list. Check with the FIS advisor to make sure you have the necessary prerequisites.
6. There may be acceptable substitutions for some of the listed courses (e.g. MATH 163 and 164 for MATH 221 and 222). Check with the FIS advisor before you register for a possible substitute.