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 41500 Forensic Science and the Law 3 cr. 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 23100 Calculus for Life Sciences I 3 cr. __
MATH 23200 Calculus for Life Sciences II 3 cr. __
Computer Science – Choose from the following:
CSCI-N201, N207, N211, N301 3 cr. ____

AREA IV MAJOR COURSES –72 credits
Students must have a grade of C- or higher for Courses listed in Area IV except for FIS courses (see below)

A. Required Forensic Science Courses - 22 credits
(Grade of C or better in each FIS course; No grade below C accepted)
FIS 20500 Concepts of Forensic Science I 3 cr. FaSu
FIS 20600 Concepts of Forensic Science II 3 cr. __
FIS 30500 Professional Issues in Forensic Science 3 cr. __
FIS 30600 Forensic Microscopy 3cr. _____

AREA IV A. CONTINUED
FIS 40100 Forensic Chemistry I 4cr. Fa__
FIS 40400 Forensic Chemistry II 4 cr. Sp__
FIS 49000 Capstone in Forensic Science 2 cr. ____

B. Required Biology Courses - 10 credits
BIOL-K 101 Concepts of Biology I 5 cr. ____
BIOL-K 103 Concepts of Biology II 5 cr. ____

C. Required Chemistry Courses - 22 credits
CHEM-C310 Analytical Chemistry 3 cr. ____
CHEM-C311 Analytical Chemistry Lab 1 cr. ____
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. ____
CHEM-C360 Elementary Physical Chemistry 3 cr. ____
CHEM-C410 Principles of Chem. Instrumentation 3 cr. ____
CHEM-C411 Principles of Chem. Instrument. Lab 2 cr. ____

D. Required Criminal Justice Courses - 3 credits
SPEA-J 101 American Criminal Justice System 3 cr. ____

E. Required Statistics Course - 3 credits
STAT 30100 Elementary Statistical Methods 3 cr. ____

F. Advanced Science Courses – Choose 12 credits (minimum)
Check prerequisites at www.bulletin.iupui.edu.
ANTH-B426 Human Osteology 3cr. ____
BIOL-K322 Genetics & Molecular Biology 3cr. ____
BIOL-K323 Genetics & Molecular Biology Lab 2cr. ____
BIOL-K324 Cell Biology 3cr. ____
BIOL-K325 Cell Biology Laboratory 2cr. ____
BIOL-K338 Immunology 3cr. ____
BIOL-K339 Immunology Lab 2cr. ____
BIOL-K356 Microbiology 3cr. ____
BIOL-K357 Microbiology Laboratory 2cr. ____
BIOL-K483 Biological Chemistry 3cr. ____
BIOL-K484 Cellular Biochemistry 3cr. ____
BIOL-N217 Human Physiology 5cr. ____
BIOL-N261 Human Anatomy 5cr. ____
CHEM-C430 Inorganic Chemistry 3cr. ____
CHEM-C435 Inorganic Chemistry Lab 1cr. ____
CHEM-C484 Biomolecules and Catabolism 5cr. ____
CHEM-C485 Biosynthesis and Physiology 3cr. ____
CHEM-C486 Biological Chemistry Lab 2cr. ____
FIS 40200 Forensic Biology I 4cr. ____
FIS 40300 Forensic Biology II 4cr. ____
GEOL-G306 Earth Materials 3cr. ____

8/14/12
AREA V ELECTIVES
A minimum of 124 credit hours must be completed for graduation. The number of elective hours needed will vary. Please see your academic advisor to determine if elective hours are needed.

GENERAL INFORMATION
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. The following are acceptable substitutes. Always check with your advisor before officially choosing a substitute.
   - Math 16500 & 16600 – Can sub for Math 23100 & 23200
   - Math 22100 & 22200 – Can sub for Math 23100 & 23200
   - Phys 15200 & 25100 – Can sub for Phys-P201 & P202
7. Students must maintain a minimum 2.5 GPA for the FIS degree.
8. Call 317-274-6882 or email forsci@iupui.edu to schedule an appointment with the FIS Academic Advisor.

Notes: ___________________________________________________
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