IUPUI – FORENSIC AND INVESTIGATIVE SCIENCES PROGRAM

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

SCI-I 120 Windows on Science or other Learning Comm. 1 cr. ___

CORE COMMUNICATION - 9 cr.
(Grade of a C or better in each composition course)
English Composition (Core 30)
ENG-W 131 (ENG-W 140) English Composition I 3 cr. ___
Speech Communication – (Core 30)
COMM-R 110 Speech Communication 3 cr. ___
Advanced Composition- (SOS)
ENG-W 270, ENG-W 231, ENG-W 230 or TCM 32000 3 cr. ___

FOREIGN LANGUAGE
A foreign language is not required for BS degrees.

CULTURAL UNDERSTANDING—3 cr.
Cultural Understanding (Core 30) 3 cr. ___
(Foreign Language if pursuing BA in Chemistry or Biology, 4 cr.)

ARTS/HUMANITIES (AH) AND SOCIAL SCIENCES (S)—9 cr.
AH (Core 30): ___________________________ 3 cr. ___
S (Core 30): ___________________________ 3 cr. ___
AH or S (Core 30): ________________________ 3 cr. ___

LIFE AND PHYSICAL SCIENCES—10 cr.
PHYS-P 201 General Physics I (Core 30/SOS) 5 cr. ___
PHYS-P 202 General Physics II (Core 30/SOS) 5 cr. ___

PHYSICAL AND BIOLOGICAL SCIENCES--10 cr.
CHEM-C 105 Principles of Chemistry I (SOS) 3 cr. ___
CHEM-C 125 Experimental Chemistry I (SOS) 2 cr. ___
CHEM-C 106 Principles of Chemistry II (SOS) 3 cr. ___
CHEM-C 126 Experimental Chemistry II (SOS) 2 cr. ___

ANALYTICAL REASONING—6 cr.
MATH 23100 Calculus for Life Science I (Core 30/SOS) 3 cr. ___
MATH 23200 Calculus for Life Sciences II (Core 30/SOS) 3 cr. ___

COMPUTER SCIENCE PROGRAMMING—3 cr.
Select from the following:
CSCI-N 201, N 207 (recommended), N 211, N 301, or N 199 ONLY topic: Computer Programming Principles (SOS) 3 cr. ___

MAJOR COURSES—75 cr.
Students must have a grade of C- or higher for courses listed in the major courses area except FIS courses (see below)

Required Forensic Science Courses — 30 credits
(Grade of C or better in each FIS course; No grade below C accepted)
FIS 20500 Concepts of Forensic Science I 3 cr. fa/ss
FIS 20600 Concepts of Forensic Science II 3 cr. sp/ss
FIS 30500 Professional Issues in Forensic Science 3 cr. ___
FIS 30600 Forensic Microscopy 3 cr. ___
FIS 40200 Forensic Biology 3 cr. fa
FIS 40201 Forensic Biology Lab 2 cr. fa
FIS 40300 Forensic Genetics 3 cr. sp
FIS 40301 Forensic Genetics Lab 2 cr. sp
FIS 43000 Population Genetics 3 cr. sp
FIS 41500 Forensic Science and the Law 3 cr. ___
FIS 49000 Capstone in Forensic Science 2 cr. fa

Required Biology Courses - 23 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 324 Cell Biology 3 cr. ___
BIOL-K 325 Cell Biology Laboratory 2 cr. sp
BIOL-K 384 Biochemistry 3 cr. ___

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. ___

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

Advanced Science Courses — Choose 9 credits (minimum)
Check prerequisites at www.bulletin.iupui.edu.

ANTH-B 426 Human Osteology 3 cr. varies
ANTH-B 460 Forensic Anthropology or Bio-Archaeology
(ONLY these two topics) 3 cr. vary
BIOL-K 331 Embryology 3 cr. ___
BIOL-K 333 Embryology Laboratory 1 cr. ___
BIOL-K 338 Introductory Immunology 3 cr. ___
BIOL-K 339 Immunology Lab 2 cr. ___
BIOL-K 356 Microbiology 3 cr. ___
BIOL-K 357 Microbiology Laboratory 2 cr. sp
BIOL-K 341 Principles of Ecology and Evolution 3 cr. fa/even sp
BIOL-K 342 Principles of Ecology and Evolution Lab 2 cr. fa
BIOL-K 411 Global Change Biology 3 cr. odd sp
BIOL-N 217 Human Physiology 5 cr. ___
BIOL-N 261 Human Anatomy 5 cr. ___
CHEM-C 310 Analytical Chemistry 3 cr. ___
CHEM-C 311 Analytical Chemistry Lab 1 cr. ___
CHEM-C 360 Elementary Physical Chemistry 3 cr. sp
CHEM-C 325 Introductory Instrumental Analysis 5 cr. sp
CHEM-C 384 Biochemistry 3 cr. ___
CHEM-C 430 Inorganic Chemistry 3 cr. sp
CHEM-C 435 Inorganic Chemistry Lab 1 cr. sp
CHEM-C 485 Biosynthesis and Physiology 3 cr. ___
CHEM-C 486 Biological Chemistry Lab 2 cr. ___
FIS 40100 Forensic Chemistry I 3 cr. fa
FIS 40101 Forensic Chemistry I Lab 1 cr. fa
FIS 40400 Forensic Chemistry II 3 cr. sp
FIS 40401 Forensic Chemistry II Lab 1 cr. sp
FIS 49600 Special Topics in Forensic Science (ALL topics) 1-3 cr. ___
GEOL-G 306 Earth Materials 4 cr. ___
SPEA-J 260 Topics in Criminal Justice 1 cr. ___
(ONLY Investigating Post Blast Crime Scene, Indiana Homicide, and Death Investigation)

ELECTIVES
FIS requires no electives. Total: 126 cr.

5/26/2015
GENERAL INFORMATION
1. Courses taken Pass/Fail do not count toward any degree area requirements of the school or department.
2. A minimum of 120 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 (not living but taking courses on the IUPUI campus) of at least two semesters at the IUPUI campus is also required for graduation.
3. 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.
4. The following are acceptable substitutes. Always check with your advisor before officially choosing a substitute.
   - MATH 16500 & 16600 – Can substitute for MATH 23100 & 23200/MATH 22100 & 22200 – Can substitute for MATH 23100 & 23200
   - PHYS 15200 & 25100 – Can substitute for PHYS-P 201 & P 202
5. To contact the FIS Academic Advisor, call 317-274-6882 or email forsci@iupui.edu. To schedule an appointment, go to http://science.iupui.edu/advising.

Cultural Understanding
- AFRO-A 140 INTRODUCTION TO AFRICAN AMERICAN AND AFRICAN DIASPORA STUDIES
- AFRO-A 150 CULT OF BLACK AMERICANS
- AFRO-A 152 INTRO TO AFRICAN STUDIES
- AMST-A 101 INTRO TO AMERICAN STUDIES
- ANTH-A 104 CULTURAL ANTHROPOLOGY
- EDUC-E 201 MULTICULT EDUC/GLOBAL AWARENS
- ENG-L 207 WOMEN AND LITERATURE
- ENG-L 245 INTRO TO CARIBBEAN LIT
- HER-H 221 ART PAST AND PRESENT
- INTL-J 100 INTRO TO INTERNATIONAL STUDIES
- LATS-L 101 INTRO TO LATINO STUDIES
- LATS-L 228 AN INTERDISCIPLINARY LOOK AT U.S. LATINO/IDENTITIES
- MUS-M 394 SURVEY OF AFRICAN AMERICAN MUSIC
- MUS-M 395 TRADITIONS IN WORLD MUSIC
- NAIS-N 101 INTRODUCTION TO NATIVE AMERICAN INDIGENOUS STUDIES
- PSY-B 201 ETHICS AND DIVERSITY IN PSY
- REL-R 101 RELIGION AND CULTURE
- SWK-S 102 UNDERSTANDING DIVERSITY IN A PLURALISTIC SOCIETY
- TCEM-T 208 GLOBAL TOURISM GEOGRAPHY
- TCEM-T 234 CULTURAL HERITAGE TOURISM

FOREIGN LANGUAGES
- AMERICAN SIGN LANGUAGE: ASL-L 131, A 132, A 211, A 212
- ARABIC: NES-A 131, A 132, A 206, A 250
- CHINESE: KALC-C 117, C 131, C 132, C 201, C 202
- FRENCH: FREN-F 117, F 131, F 132, F 203, F 204
- GERMAN: GER-G 117, G 131, G 132, G 203, G 204
- ITALIAN: ITAL-I 131, I 132, I 200, I 202
- JAPANESE: JALC-J 131, J 132, J 201, J 202
- LATIN: CLAS-L 131, L 132, L 200, L 250
- SPANISH: SPAN-S 117, S 131, S 132, S 203, S 204

Arts and Humanities (AH)
- ART 2100 HISTORY OF ARCHITECTURE I
- CLASS-C 101 ANCIENT GREEK CULTURE
- CLASS-C 205 CLASSICAL MYTHOLOGY
- COMM-T 130 INTRODUCTION TO THEATRE
- ENG-L 105 APPRECIATION OF LITERATURE
- ENG-L 202 LITERARY INTERPRETATION
- ENG-L 203 INTRODUCTION TO DRAMA
- ENG-L 205 INTRODUCTION TO POETRY
- ENG-L 207 WOMEN AND LITERATURE
- ENG-L 215 LITERATURE FOR TODAY
- ENG-L 213 LITERARY MASTERPIECES I
- ENG-L 214 LITERARY MASTERPIECES II
- ENG-W 206 INTRODUCTION TO CREATIVE WRITING
- ENG-W 207 INTRODUCTION TO FICTION WRITING
- ENG-W 208 INTRODUCTION TO POETRY WRITING
- ENG-W 210 LITERACY AND PUBLIC LIFE
- FILM-C 292 INTRODUCTION TO FILM
- HER-E 101 BEGINNING DRAWING I
- HER-E 105 BEGINNING PAINTING I
- HER-E 109 COLOR & DESIGN NON-ART MAJOR
- HER-E 111 METALSMITHING AND JEWELRY DESIGN
- HER-E 201 PHOTOGRAPHY I
- HER-E 209 DRAWING FOR INTERIOR DESIGN
- HER-E 214 VISUAL LEARNING: FROM THE SIMPSONS TO THE GUERRILLA GIRLS
- HER-H 100 ART APPRECIATION
- HER-H 101 HISTORY OF ART 1
- HER-H 102 HISTORY OF ART 2
- HER-H 200 UNDERSTANDING CONTEMPORARY ART
- HER-H 210 THE ART OF HISTORY
- HER-Y 214 HISTORY OF VISUAL COMMUNICATION
- MHS-M 201 INTRO TO MED HUM & HEALTH STUDIES
- MSTD-A 101 UNDERSTANDING MUSEUMS
- MUSE-E 241 INTRO TO MUSIC FUND
- MUS-L 100 GUITAR ELECT-SECONDARY

To schedule an appointment, go to http://science.iupui.edu/advising.