

Bachelor of Science in Informatics

Student Name _____ Advisor _____

General Requirements

A student working toward a Bachelor of Science in Informatics Degree (BS in Informatics) at Indiana University East (IUE) must fulfill the following requirements:

- a. 120 semester hours with a minimum GPA of 2.0, with at least 30 hours at IU East.
- b. Complete the Informatics Core courses. No Informatics Core course with a grade below 'C' can be counted toward an informatics degree.
- c. Complete IUE general education requirements with a minimum GPA of 2.0 in each general education course.

| DEGREE REQUIREMENTS | |
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| (GENERAL EDUCATION – 39 CREDIT HOURS.) | |
| A. COMPOSITION/COMMUNICATION (9 cr. hrs.) | |
| ENG-W131 | Elementary Composition I |
| SPCH-S121 | Public Speaking |
| <i>Choose one of the following 3 English courses</i> | |
| ENG-W132 | Elementary Composition II |
| ENG-W231 | Professional Writing |
| ENG-W270 | Argumentative Writing |
| B. MATHEMATICS/NATURAL SCIENCES (12 cr. hrs.) | |
| Any Math M- course at the 100 level excluding M117 | |
| Natural Science or Math Course as listed in IUE GE | |
| Natural Science with Lab as listed on IUE GE | |
| Natural Science or Math Course as listed on IUE GE | |
| C. HUMANITIES AND FINE ARTS (9 cr. hrs.) | |
| 9 cr. hrs as listed on IUE GE | |
| 2 different disciplines, no more that 1 studio course | |
| D. BEHAVIORAL/SOCIAL SCIENCES (9 cr. hrs.) | |
| 9 cr. hrs as listed on IUE GE | |
| 2 different disciplines | |
| Economics course (ECON E103 or E104) also accepted | |
| E. FIRST-YEAR SEMINAR (Waived for transfer students with 12 cr. hrs. or more upon entry to IUE.) (2 cr. hrs.) | |
| UCOL 101 First Year Experience | |
| F. INFORMATICS CORE (34 cr. hrs.) | |
| INFO-I101 | Intro to Informatics (4) |
| INFO-I201 | Mathematical Foundations of Info (4) |
| INFO-I202 | Social Informatics (3) |
| INFO-I210 | Information Infrastructure I (4) |
| INFO-I211 | Information Infrastructure II (4) |
| INFO-I308 | Information Representation (3) |
| Two of the following four courses | |
| INFO-I300 | <i>Human-Computer Interaction (3)</i> |
| INFO-I303 | <i>Organizational Informatics (3)</i> |
| INFO-I310 | <i>Multimedia and Technology (3)</i> |
| INFO-I320 | <i>Distributed System and Collab Comp (3)</i> |
| Choose One of following three Capstone Options | |
| INFO-I450/451 | Design and Implementation of an IS System (6) two semesters—3 cr. hrs. each. |
| INFO-I460/461 | Thesis/Senior Project (6) - two 3 cr. hrs. |
| INFO-I420 | Internship in Informatics: Professional Practice, (with approval of program director); may be substituted for the above capstone options if completed in junior or senior year and required project reports are completed (6) |

| G. INFORMATICS COGNATES | |
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| (15-18 CREDIT. HOURS.) | |
| NEW MEDIA (15 cr. hrs.) | |
| NEWM-N100 | New Media (New) (3) |
| JOUR-J110 | Foundations of Journalism and Mass Communication (3) |
| TEL-T336 | Digital Video Production (3) |
| Two additional courses, at least one from 300/400 level (6) (with advisor approval) | |
| WEB TECHNOLOGY (15 cr. hrs.) | |
| CMCL-C334 | Current Topics: Web Design (3) |
| FINA-U330 | Computer Art, Interactive Media (3) |
| FINA-F102 | Fundamental Studio—2D (3) |
| BUS-S430 | Electronic Commerce (3) |
| One additional course (3) (with advisor approval) | |
| HEALTH SERVICES ADMINISTRATION (16 cr. hrs.) | |
| NURS-A111 | MEDICAL TERMINOLOGY (1) |
| SPEA-H120 | Contemporary HC Issues (New) (3) |
| SPEA H441 | Legal Aspects of HS Admin (New) (3) |
| HIA -M420 | HC Planning and IS (New) (3) |
| SPEA-H320 | Health Services Admin (New) (3) |
| One Additional Course (with advisor approval) (3) | |
| BUSINESS (15 cr. hrs.) | |
| BUS-W100 | Intro to Bus Admin (3) |
| ECON-E103 or 104 | Micro or Macro-Econ (3) |
| BUS-A201 | Intro to Accounting (3) |
| Any two 300/400 level business courses (6) (with advisor approval) | |
| BIO-INFORMATICS (15 cr. hrs.) | |
| MATH-K300 | Statistics (3) |
| BIOL-L107 | Biological Concepts (5) |
| BIOL-T107 | Bioinformatics (3) |
| BIOL-L314 | Genetics (4) |
| CUSTOM DESIGNED (15-18 cr. hrs.) (with approval of advisor) | |
| An individually determined cognate area may be formulated with the approval of an informatics faculty member. | |
| H. ELECTIVES (29-32 cr. hrs.) | |
| Complete courses to reach 120 credit hours. At least 30 credit hours of the total 120 must be at the 300 level or higher. | |