# Minor in Informatics

This minor consists of five courses (17 credits) and will provide the student with the knowledge and understanding of computer software and its applications. At least 11 of the 17 credits must be taken at IUSB. The minor in Informatics requires students to take three lower level Informatics courses and two upper level Informatics or upper level elective courses from the table below.

**LOWER LEVEL (Choose 3 courses)**
INFO-I 101 Introduction to Informatics (4 cr.)
INFO-I 202 Social Informatics (3 cr.)
INFO-I 210 Information Infrastructure I (4 cr.)   (CSCI-A 201 may be substituted for I210 for those students not intending to take I211.)
INFO-I 211 Information Infrastructure II (4 cr.)

**UPPER LEVEL INFORMATICS COURSES**
INFO-I 300 Human Computer Interaction (3 cr.)
INFO-I 303 Organizational Informatics (3 cr.)
INFO-I 308 Information Representation (3 cr.)
INFO-I 310 Multimedia Arts and Technology (3 cr.)
INFO-I 320 Distributed Systems and Collaborative Computing (3 cr.)
INFO-I 400 Topics in Informatics (3 cr.) e.g., Bioinformatics

**UPPER LEVEL ELECTIVES**
BUS-K 301 Enterprise Resource Planning (3)
BUS-K 321 Management Information Systems (3 cr.)
PHYS-P 281 Solid State Electronics I (3 cr.)
PHYS-P 303 Digital Electronics (4 cr.)
SOC-S 319 Sociology of Science (3 cr.)
SOC-S 451 Web Based Survey Techniques (3 cr.)
CSCI-A 340 Introduction to Web Programming (3 cr.)
CSCI-C 335 Computer Structures (3 cr.)
CSCI-B 424 Parallel and Distributed Programming (3 cr.)
CSCI-C 442 Database Systems (3 cr.)
CSCI-C 463 Artificial Intelligence (3 cr.)
CSCI-B 481 Interactive Computer Graphics (3 cr.)
CSCI-B 438 Computer Networks (3 cr.)
PHIL-P 338 Philosophy of Technology (3 cr.)
PHIL-P 207 Computer Ethics (3 cr.)
MATH-M 365 Probability and Statistics (4 cr.)
PSY-P 335 Cognitive Psychology (3 cr.)
BIOL-L 311 GENETICS (3 cr.)
CHEM-C 371 Chemical Informatics I (3 cr.)
FINA-P XXX Advanced Digital Production (3 cr.)
FINA-P 274 Computer Arts and Design I (3 cr.)

FINA-P 374 Computer Arts and Design II (3 cr.)
ENGL-W XXX Web-Based Instruction (3 cr.)
ENGL-W XXX Web-Based Writing / Journal Editing (3 cr.)

The courses offered as Informatics electives will vary over time. Many courses at the 300 level or above in computer and information sciences and decision sciences can count as an elective. The student should consult the Informatics program director for details.

A minimum grade of 2.0 (C-) is required in all courses taken for the minor.

Consult the Informatics web site for additional details:
http://www.informatics.iusb.edu

## Informatics at IUSB?

◆ As the premier public institution of higher education in the region, our mission is to provide the highest quality education in the most enjoyable and friendly atmosphere possible. In pursuing this mission we work hard to attract the best and most qualified faculty and staff to our program. We also work hard to build and maintain up-to-date computer laboratories which are crucial to our program.  Through our internship program for students, faculty consulting and volunteering, we interact regularly with our local industry so that we continually exchange ideas to the mutual benefit of both the business community and the university.  Our goal is to bridge the gap between theories and concepts presented in the classroom and real life business and industry needs and practices.

## What is the job outlook?

◆ There are excellent employment opportunities for our graduates. Almost every student and every alumnus of our program is gainfully employed. In our region, the average starting salary for our graduates is currently in the mid 40's. Nationally, salaries range from low 40's to upper 70's.  Furthermore, according to predictions by the *Bureau of Labor Statistics* during the period between 1998 to 2008, fields within the computer science discipline will experience 73 to 108% growth.

## Why IUSB?

◆ IUSB is the only public institution in the region (60 miles radius) equipped to offer quality undergraduate and graduate programs in computing.
◆ Our class sizes average around 20 students, and almost never exceeding 30.
◆ We have 9 full time faculty with Ph.D. degrees in computer science or closely related areas.
◆ The typical salary for our new CS and Informatics graduates in the region is approximately $40,000 to $52,000.

## Contact Information:

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