

Associate of Science in Computer Science

Department of Computer and Information Sciences Indiana University South Bend

Requirements

FUNDAMENTAL LITERACIES (10 Credits)

- A) ENG-W 131 English Composition. A grade of C or better is required.
- B) Critical Thinking, e.g., PHIL-P 105 or PHIL-P 110
- C) COAS-Q 110 Information Literacy (1 cr.) Should be taken with ENG-W 131.
- D) Oral Communication, e.g., SPCH-S 121
or
Visual Literacy, e.g., FINA-A 100, JOUR-J 210.

COMMON CORE (6 Credits)

Any two from the following four options.

- A) The Natural World: N190 or N390.
- B) Human Behavior & Social Institutions: B190 or B399.
- C) Literary and Intellectual Traditions: T190 or T390.
- D) Art, Aesthetics and Creativity: A190 or A399.

CONTEMPORARY SOCIAL VALUES (3 Credits)

Diversity in U.S. Society, e.g., SOC-S 161, ENG-L 379, PSY-P 391.

LANGUAGE STUDIES (6 Credits)

Two semesters in a single language, or equivalent, chosen from Japanese, French, German, Chinese, Spanish.

PHYSICAL & LIFE SCIENCES (8 Credits)

- A) PHYS-P 303 Digital Electronics (4 cr.) Includes a laboratory component. (Recommended)
- B) Electives chosen from astronomy, biology, chemistry, geology, and physics with the consent of your advisor. (4 cr.)

MATHEMATICS (3-5 Credits). A grade of C or better is required.

MATH-M 215 Calculus I (5cr.)

COMPUTER SCIENCE (20 Credits). A grade of C- or better in each course is required. At least 12 of the 20 credits must be taken at IUSB.

- CSCI-C 101 Computer Programming I (4 cr.) Test out is available.
- CSCI-C 151 Multi-user Operating Systems (2 cr.) Test out is available.
- CSCI-C 201 Computer Programming II (4 cr.)
- CSCI-C 243 Elementary Data Structures (4 cr.)

Two more courses in computer science (6 cr.) above the level of C201.

GENERAL ELECTIVES (approximately 3 Credits)

Computer Science at IU South Bend?

- ◆ 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.

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 10 full time faculty with Ph.D. degrees in computer science or closely related areas.
- ◆ The typical salary for our new graduates in the region is approximately \$40,000 to \$52,000.

Contact Information:

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