

Certificate in Technology for Administration

Department of Computer and Information Sciences Indiana University South Bend

Goal:

The goal of this certificate is to provide the necessary technical expertise to those who are already in technology management positions but feel a gap in their knowledge or those who are considering such positions in the future and need solid technical/computer expertise. Candidates for this certificate program must have a bachelors degree prior to enrolling in the program.

Requirements:

The student must complete the following four courses with a grade of B or better. All of the courses must be taken at IU South Bend.

CSCI-A 505 - Object Oriented Programming (4 credit)

BUS-K 506 - Web Site Development Techniques (3 credit)

CSCI-A510 - Database Systems (3 credit)

CSCI-A515 - Telecommunications & Computer Networks (4 credit)

Depending on prior academic experience, a student may be exempted from one of the above courses. In such cases, the student must consult the department chair to make an appropriate substitution. The total number of credits for the certificate should remain at or above 14.

In addition, the student may be required to take additional courses to satisfy possible deficiencies. Prospective students are encouraged to consult with the department chair or the coordinator for the certificate program for additional information.

Innovative features

Our goal is to develop a highly applied program that will integrate potential projects from local and regional companies. In addition we expect to work closely with regional not-for-profit organizations, creating opportunities for volunteerism and community work.

Note:

- ◆ This is a graduate level certificate. Students must have a B.S., a B.A. or an equivalent four year degree prior to enrolling in any of the above courses. Without a four year degree, you are not eligible to receive this certificate.

Computer Science 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 graduates in the region is approximately \$40,000 to \$52,000.

Contact Information:

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