Mission:
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.

Degree Programs:
Our department started offering degrees in computer science in 1983. Currently, we offer a bachelor of science in computer science, a bachelor of science in informatics, an associate of science, four certificate programs, a minor in computer science, a minor in informatics, and a minor in cognitive psychology. Through our joint partnership with the School of Business and Economics we developed a new Master of Science in Management Information Technology. In addition, we offer a joint master of science degree in Applied Mathematics and Computer Science with the Department of Mathematical Sciences.

Computer Facilities:
IUSB provides numerous computer laboratories that are open to all students. Our department supports and maintains 4 additional computer laboratories for the exclusive use of our majors in computer science and Informatics. These laboratories are designed to serve the academic needs of our students throughout their residence at IUSB. In addition, we plan to develop additional computer science classrooms as well as graduate laboratories to support our undergraduate and graduate students in their course work and research projects.

Class Size:
Computer Science students at IUSB enjoy an excellent faculty to student ratio in the classroom. Our average computer science class size is around 20 and seldom exceeds 30 students, creating an excellent learning environment usually found in private universities with much higher tuition cost. Small class sizes provide for friendly and informal interaction between faculty and individual students.

Students:
Currently there are over 200 undergraduate majors in computer science and Informatics and over 50 graduate students in our Applied Math and Computer Science program. Given the excellent regional and national job market and the popularity of our discipline, we expect this number to grow in the near future. We are proud of the achievements of our students and alumni and their contributions to the technological and economic well being of our region.

Graduates:
To date we have hundreds of alumni with a bachelors or associates degree in computer science. A number of our students have gone to graduate programs in fine institutions such as the University of Notre Dame, University of Nebraska, Yale University, Air Force Graduate Academy, University of North Carolina and University of Southern California. A large number of our graduates have joined local and national industries such as Allied Signal/Honeywell, Sysson International, IBM, Crowe Chizek, NIBCO, The Associates, Agdia, Manhattan, Teacher’s Credit Union, Skyenet, AM General, Indiana Toll Road, First Union Bank, Golden Dome Media, Bayer and Motorola. Our data indicate that about 75% of our alumni stay in either the local community or within the Michiana region. They are a great asset to our community. Our alumni have strong ties to this region, they help strengthen and build our schools, our businesses and our community, and most importantly, they help build the information infrastructure necessary to bring Indiana to the 21st century. We salute our alumni and celebrate their achievements.

Faculty:
Currently, the department has 10 full time and a number of part time faculty members.


Hossein Hakimzadeh, Assoc. Prof., Ph.D in Computer Science (North Dakota State University, 1993). Research interests: database systems; operating systems; object-oriented software engineering.


John Russo, Assoc. Prof. Emeritus, Ph.D in Mathematics (Florida State University, 1965). Research interests: program efficiency; software engineering.

Mike Schewe, Assis. Prof., PhD in Quantitative and Mathematical Psychology (Purdue University). Research interests: Cognitive science and artificial intelligence, especially psychologically plausible artificial vision and problem-solving systems. Additional interests include software engineering, information systems, and information assurance and security issues.


Yu, Linqo, Assistant Prof., Ph.D in Computer Science (Vanderbilt University, 2004). Research interest: software engineering in general with emphasis on software dependency, software reuse, software maintenance, and open-source development.

Dana Vragiotty, Assis. Prof., D. Sci. in Computer Science (University of...
of Neuchâtel, 1997). Research interests: Genetic algorithms; scientific visualization; parallel computation; information retrieval; artificial intelligence.

James Wolfer, Assoc. Prof., Ph.D. in Computer Science (Illinois Institute of Technology). Research interests: harnessing the power of naturally inspired computation to solve real-world problems, visualization in science and medicine, cognitive science and computer science education.

Zhang, Liqiang, Assis. Prof., Ph.D. in Computer Science (Wayne State University, 2005). Research interests: wireless networking and mobbing computing, Quality of Service, real-time computing, sensor networks, and network security.

Employment:
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.

More Information:
If you are considering majoring in computer science, we would be pleased to hear from you. Please contact us by calling or writing the address below:

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South Bend, IN 46634

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