



Computer Science and Informatics
at

Indiana University South Bend



www.cs.iusb.edu

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Undergraduate Programs

B.S. in Computer Science

B.S. in Informatics

A.S. in Computer Science

Minor in Computer Science

Minor in Computer Applications

Minor in Informatics

Minor in Cognitive Science

Certificate in Computer Programming

Certificate in Advanced Computer Programming

Certificate in Applied Informatics

Certificate in Computer Applications



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Graduate Programs

M.S. in Applied Mathematics and Computer Science
(joint with Department of Mathematical Sciences)

M.S. in Management of Information Technology
(joint with School of Business and Economics)

Certificate in Technology for Administration
(joint with School of Business and Economics)



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Faculty

Emeritus Faculty

- **Knight, William**, Ph.D. in Mathematics (University of California, Berkeley, 1969), M.Sc. in Computer Science (University of Illinois, Urbana, 1986).
 - **Russo, John**, Ph.D. in Mathematics (Florida State University, 1965).
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Resident Faculty

- **Adaikkalavan, Raman**, Ph.D. in Computer Science (University of Texas at Arlington, 2006)
- **Hakimzadeh, Hossein**, Ph.D. in Computer Science (North Dakota State University, 1993).
- **Nair, Murli**, Ph.D. in Bioinformatics (University of Poona, India, 1996).
- **Santean, Nic**, Ph.D. in Computer Science (The University of Western Ontario, April 2006).
- **Scheessele, Mike**, Ph.D. in Quantitative & Mathematical Psychology (Purdue University, 2001).
- **Surma, Dave**, Ph.D. in Computer Science and Engineering (University of Notre Dame 1998).
- **Yu, Ligu**, Ph.D. in Computer Science (Vanderbilt University, 2004).
- **Vrajitoru, Dana**, D.Sci. in Computer Science (University of Neuchâtel, 1997).
- **Wolfer, James**, Ph.D. in Computer Science (Illinois Institute of Technology, 1993).
- **Zhang, Liqiang**, Ph.D. in Computer Science (Wayne State University, 2005).



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Areas of specialization

- ✓ Computer Networks
- ✓ Artificial Intelligence
- ✓ Algorithm Analysis
- ✓ Computational Analysis and Modeling
- ✓ Database Systems
- ✓ Computer Graphics
- ✓ Computer Security
- ✓ Compilers and Automata Theory
- ✓ Program Efficiency
- ✓ Software Engineering
- ✓ Operating Systems
- ✓ Parallel and Distributed Processing



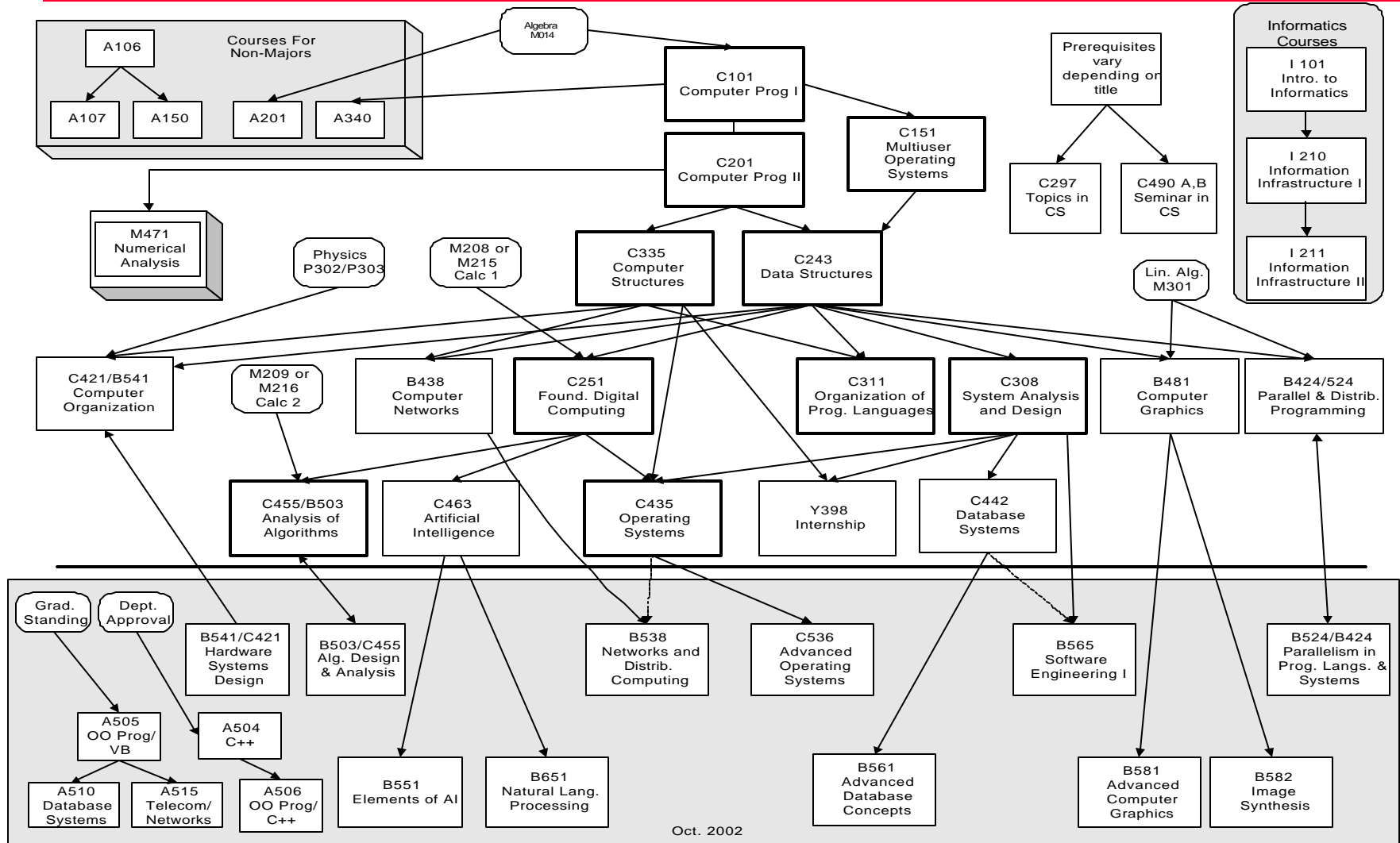
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Computer Laboratories

- In addition to numerous public computer laboratories, *the department provides 4 additional laboratories for the exclusive use of our graduate and undergraduate students in computer science and Informatics.*



Curriculum



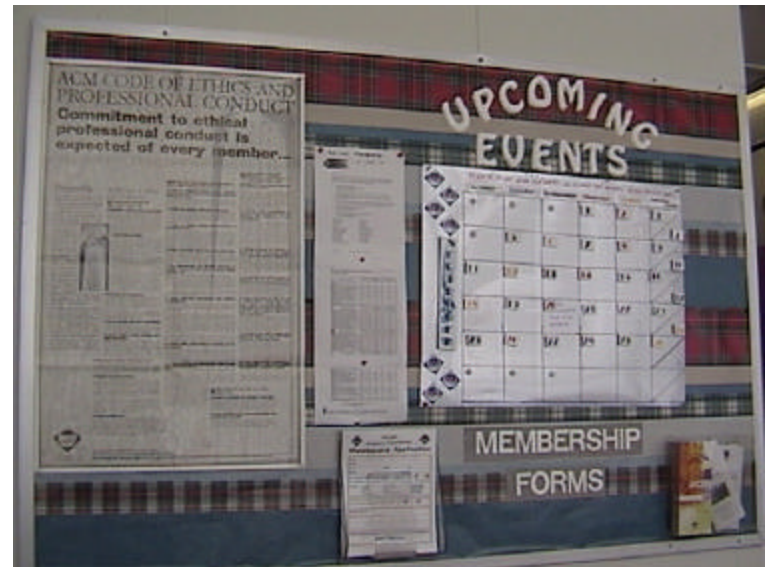
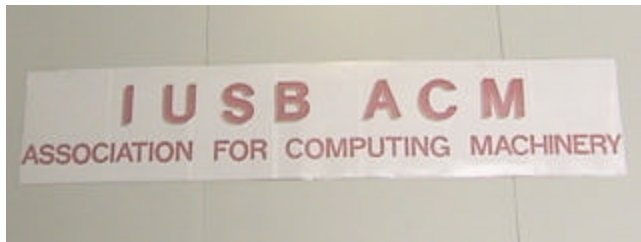
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Student Life

Come join over 135 other computer science, and 40 Infomatics majors in our program.

- Join the Student Chapter of the Association of Computing Machinery (ACM)



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The Best Kept Secret in Michiana!

- ❑ IUSB has been offering *degrees in computer science since 1983*.
- ❑ IUSB is the only public institution in the region (60 miles radius) equipped to offer quality undergraduate and graduate programs in *computer science, information systems and informatics*.
- ❑ We have over *170 declared undergraduates in Computer Science and Informatics, and 30 graduate students in Applied Math and Computer Science*.
- ❑ Our *class sizes average around 20 students*, and almost never exceeding 30.
- ❑ We have *ten full time faculty with Ph.D. degrees* in computer science or closely related areas.
- ❑ We offer *courses in South Bend, Elkhart and Plymouth campuses*.
- ❑ Our programs are *based on the recommendations of the ACM and IEEE*.
- ❑ Our faculty conduct *research* in a number of areas in computer science, including *artificial intelligence, computer graphics, computer networks, computer Security, algorithms, software engineering and database systems*.
- ❑ Our alumni have *nearly 100% placement*.
- ❑ Nearly *75% of our alumni stay and work in the area*, making our community stronger.
- ❑ Typical *salary* for our new graduates in the region is approximately *\$40,000 to \$52,000*.

The Department of Computer and Information Sciences



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Employment

- There are excellent employment opportunities for our graduates. Almost every alumni 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.
- According to predictions by the *Bureau of Labor Statistics* during the period between 2004 to 2014, five of the top 20 jobs are within the computer science discipline will experience significant growth.



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Future Programs

Certificate in Software Engineering (post graduate, Fall 2009)

M.S. in Computer Science (Fall 2009)



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Contact Information

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