

Indiana University South Bend

Presents the

M.S. in Applied Mathematics and Computer Science



The *Department of Mathematical Sciences* and the *Department of Computer and Information Sciences* offer a joint M.S. program in Applied Mathematics and Computer Science. The departments encourage application from students with Bachelor's degrees in Computer Science, Mathematics and other closely related scientific and engineering disciplines. Financial aid in the form of teaching or research assistantship may be available for full-time M.S. students. Students without scientific background may also apply for admission. However, they will be granted probationary status and will need to take preparatory courses to qualify for regular admission to the graduate program.

Fields of Study

The **Department of Computer and Information Sciences** has 10 faculty members with research interests in Algorithms, Software Engineering, Computer Graphics, Databases, Computer Networks, Parallel Processing, Distributed Computing, Artificial Intelligence, Computer Security, and Bioinformatics.

The **Department of Mathematical Sciences** has 15 faculty members with research interests in Differential Topology, Differential Equations, Dynamical Systems, Modeling, Operations Research, Simulation, Scientific Computing, Statistics, and Group Theory.

Computing and Research Infrastructure

In addition to the computing resources available in the public laboratories, the department maintains three laboratories for the exclusive use of our majors. These laboratories include approximately 50 networked workstations running Windows and Linux. The department also maintains a 16 node Beowulf cluster for research by faculty and students, in such areas and parallel and distributed processing, distributed databases systems, data mining, scientific computing, computer graphics, networking and design of distributed algorithms.

Location

The university is located in the heart of one of South Bend's residential neighborhoods. The campus is minutes from downtown South Bend. The beautiful St. Joseph River is to the South, and the Potawatomi Park is on the north side of the campus. IU South Bend is the third largest of the eight campuses of Indiana University and offers a full range of degree programs to the Michiana community. The student population is approximately 7500.

Contact

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