



OPERATIONS MANAGEMENT AND ANALYSIS

Students in the Operations Management and Analysis Program develop the ability to model real business operations using appropriate analytical tools and advanced technology, solve relevant business problems, and communicate those solutions to senior management. Students understand the operational issues facing organizations and the interaction of operations managers with other functional areas, preparing them for positions in firms of all sizes and in all industries. They learn how the integration of all functions across a business leads to improvements in quality, efficiency, and productivity, and how a system-wide approach to making operating decisions benefits the entire organization, leading to improved competitiveness.

Careers

The operations management and analysis (OMA) major offers challenging and rewarding opportunities in:

- manufacturing and quality management
- distribution and logistics
- service operations
- supply chain management
- business analysis

Entry-level positions taken by our graduates include

- quality engineer
- business analyst
- resource planner
- operations analyst
- production control specialist

Operations management and analysis majors are prepared to begin the certification process for APICS, the Association for Operations Management, and may work toward either the CPIM or the CSCP. For information about these certifications, see www.apics.org.



ISU students Justin Crow and Erin Troesch served in internships for Terre Haute's Sony Digital Audio Disc Corporation during the summer of 2008.

"My internship provided me with invaluable work experience and opportunities," said Crow, an OMA senior. "While at Sony I got to work on real-world projects, such as raw materials forecasting and analyzing portions of a supply chain, that would work to benefit the company."

Student Involvement

Operations management and analysis students are active learners, with real-world projects in all upper-level major courses. Whether you are studying the supply chain of a local manufacturer or developing an optimal decision model for a client, you will work with real data to formulate real solutions for real organizations. OMA students work closely with the Central Indiana chapter of APICS, attending both local and international professional development activities, competing in case competitions, and networking with industry leaders.

Scholarships

There are several scholarships and financial awards designated specifically for operations management and analysis majors and other scholarships available only to College of Business majors and minors. For more information go to: www.indstate.edu/business/scholarships.

Curriculum

The operations management and analysis major at Indiana State University includes eight classes in advanced operations management and analytical topics beyond the business core classes and the university's general education program. Course topics include advanced business statistics, decision modeling, advanced operations management, supply chain management, business process improvement, forecasting, and decision analysis. Students also have the opportunity for hands-on experience with SAP, the world leader in enterprise resource planning (ERP) software.

All College of Business majors take two business statistics classes and one principles of operations management class as part of the core curriculum. Business majors who want to minor in operations management and analysis can do so by choosing 12 hours of upper level OMA courses.

Faculty



Pictured from left: Drs. McLaren, DePaolo, Schikora, Hozak and Lamb.

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Alumni Spotlight



Mindy Krol is a Quality Engineer in the Diabetes Care division at Roche Diagnostics, at their North American

Headquarters in Indianapolis, Ind. She supports the diabetes test strip manufacturing operations by leading product investigations and implementing process improvements. She also assists the process development group with determining various requirements for validations. She graduated from ISU in 2000.



Keith Richards is Senior Program Manager, Special Projects, for Crown Equipment Corp. of

Ohio. He travels frequently to Crown's locations around the world and contributes to the future of the company through innovation, product development, and customer support. Keith graduated from ISU with an OMA degree in 2000. In 2005, he was honored by Indiana State as a recipient of the GOLD (Graduates of the Last Decade) Award.



Kristen Hughes is a Six-Sigma/CPS (Caterpillar Production System) Black Belt in Manufacturing

Logistics. She leads teams in the use of Six-Sigma and LEAN tools to reduce waste in material handling and distribution processes. She has worked in several positions for Caterpillar including Server Administration, Data Center Planning and Logistics Operations. She graduated from ISU in 1997 with a double major in OMA and Management Information Systems.

Find Out More

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