

**Oakland University**  
**School of Business Administration**

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**Department of Decision and Information Sciences**

**Chair:** Paul Licker (mail to: [licker@oakland.edu](mailto:licker@oakland.edu))

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**MANAGEMENT INFORMATION SYSTEMS**

Management Information Systems (MIS) is concerned with using computers and computer readable information to support decisions across business functional areas such as accounting, finance, marketing, human resources, and operations management. In addition to computer technology, MIS considers how managers and knowledge workers actually use information and how systems specialists and end users interact during the analysis, design, implementation, and on-going use of information systems. MIS experts attempt to bridge the gap between information technology and people's needs. A related field is Computer Science. The two majors differ in that Computer Science emphasizes the technical side of hardware and software, whereas, MIS emphasizes applications and the business context in which an information systems exists. For more information you can check our web site at <http://www.sba.oakland.edu/dis>.

**Skill and Abilities**

MIS is a multi-faceted field that rewards people with a variety of skills including the following:

**Analytical skills** – the ability to analyze and model complex business situations

**Problem-solving skills** – the ability to arrive at creative solutions to problems under a variety of constraints

**Communication skills** – both oral and written communication

**Interpersonal skills** – the ability to interact productively with a variety of people

**Management skills** – the ability to manage complex projects and resources

**Perseverance** – the ability to work resolutely on difficult problems

**Logical thinking**

**MIS Faculty**

Faculty members in MIS:

- Xiaodong Deng
- Mark Isken
- Thomas Lauer
- Paul Licker
- Kieran Mathieson
- Balaji Rajagopalan
- Kristina Setzekorn
- Sri Sharma
- Vijayan Sugumaran

## Major Requirements for the B.S. in MIS

- MIS200: Personal Productivity with Information Technology
- or CSE125: Introduction to Computer Use
- MIS300: Management Information Systems
- CSE130: Introduction to Computer Programming
- or CSE141: Computer Problem Solving in Engineering & Computer Science
- MIS304: Database Management
- MIS316: System Analysis

## Electives: choose three, at least one of which must be: MIS405 or MIS407 or MIS416 or MIS426

- MIS400 Analysis of Complex Systems
- MIS405 Business Data/Telecommunications
- MIS407 Projects and Problem Solving
- MIS416 Advanced Systems Analysis and Design
- MIS418 Network Management
- MIS420 Electronic Commerce
- MIS421 Advanced Business Applications
- MIS422 Business Object Development
- MIS424 Business Application Architecture
- MIS426 GUI Application Development
- MIS428 Web Application Development
- MIS436 Decision Support Systems
- MIS442 IS Issues in Supply Chain Management
- MIS444 Simulation in Management
- MIS446 Business Analysis and Modeling
- MIS480 Advanced Topics in MIS
- POM448 Project Management Techniques
- CSE220 Computer-based Information Systems I (COBOL)

## What Career Opportunities Exist for MIS?

At present, career opportunities for MIS graduates are outstanding with the prospect that this will continue into the future. The Association for Computing Machinery (ACM) states, "...the interest in information systems solutions to business problems is growing at a rapid rate, well exceeding the capabilities...to satisfy these demands. In addition to the increase in the total number of systems in use, an increase in average complexity compounds this problem." Recent forecasts by the Department of Labor project that the position of systems analyst will experience more job growth than any other. Many starting positions are possible for the MIS graduate including: programmer, systems analyst, user support group, business analyst, and web master. MIS positions reflect the continuing evolution in information technology with new job titles frequently appearing. At Oakland, we are continually updating our programs to keep up with changing technology. This is reflected in our course offerings and other opportunities available to students including internships.

## For Further Information

Choosing areas of emphasis within your major and fitting your major into your life and career goals are issues you can discuss with faculty members in your major area. Planning your schedule and monitoring your progress in your business program are tasks with which academic advisers are prepared to assist you. Plan to consult with Management Information Systems faculty members and your advisers regularly.

Coordinator of Undergraduate Advising	Moira Fracassa	332 Elliott Hall	(248) 370-3285
Academic Adviser	Renee Ligesi	332 Elliott Hall	(248) 370-3285
Career Services		275 Vandenberg Hall	(248) 370-3250
Career Resource Center		154 North Foundation Hall	(248) 370-3263