

AKANKSHA PATIL gained a powerful platform to merge and advance her technical and managerial education and experience. Company-sponsored projects and real-world internships combined with a rigorous curriculum positioned her for professional success.

ADVANTAGE

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT

Whether it's leveraging the power of data to improve business processes or protecting an organization's digital assets, students in Oakland's Master of Science in Information Technology Management program gain the critical knowledge and skills necessary to advance their careers in this growing field.

Graduates of OU's MSITM program are prepared for positions like business analyst, systems analyst, business process analyst, application developer, application architect, database analyst, database administrator, information assurance analyst, network security engineer, security and network management engineer, technical support specialist, information technology specialist, IT project manager, privacy officer, IT strategy consultant or IT sourcing manager.

The program enhances students' knowledge of how firms use IT to address business problems by focusing on information security management, and information systems strategy and management.

IN-DEMAND CAREERS

- The Bureau of Labor Statistics expects IT management jobs to grow nearly twice as fast as employment in the overall economy. IT manager salaries are rising just as fast, as employers in nearly every industry compete for IT managers to address their business needs.
- The information security job market is experiencing extraordinary growth, with demand rising in the defense, government and corporate sectors.
- IT management and information security management appear on leading top jobs lists, including U.S. News & World Report and Glassdoor's Best Jobs in America 2021 lists.

Through their choice in electives, MSITM students may opt to earn a concentration in **Information Security Management**.

DEGREE AND COURSE REQUIREMENTS

Oakland University's Master of Science in Information Technology Management (MSITM) degree program requires a minimum of 30 credits. The program is structured around four modules — preparatory and foundation courses, IT core courses, elective courses and capstone course.

PREPARATORY AND FOUNDATION COURSES

Required for students who lack an information systems background. Students with the necessary background will be waived from these courses. Credits from these courses do not count toward the degree.

Preparatory

- MIS 3050 Information Technology Foundations

Foundation

- MIS 5240 Enterprise Information Systems
- QMM 5100 Quantitative Methods for Managers (required only for business analytics electives)

IT CORE COURSES (9 credits)*

Provides analysis, design and implementation skills.

- MIS 5140 Introduction to Databases and Data Warehouses
- MIS 5150 System Analysis and Design (for General Focus)
or MIS 5170 Practical Cybersecurity Fundamentals
(for Information Security Management)
- MIS 5160 Software Program and Project Management

**Students waived from IT core courses must select other graduate business electives to complete their program.*

ELECTIVE COURSES (18 credits)

Develops in-depth knowledge in a specified area of interest. After students have built a solid foundation, they can choose six courses (three credits each) from a host of electives on emerging information technologies and topics of contemporary interest.

Information Security Management (ISM) Concentration

Required Courses

- MIS 5180 IS Risk Analysis and Security Controls Development
- MIS 5700 IS Security

Choose at least three electives from the following:

- MIS 5630 Introduction to Networks
- MIS 5640 Network and Security Management
- MIS 5760 Mobile Security and Secure Application Development
- MIS 6120 Information Security Legal Compliance and Ethics
- MIS 6410 IS Privacy
- MIS 6430 Intellectual Property and Public Domain in the Age of Remix
- CSI 5480 Information Security Practice
- Other electives from related disciplines (with prior approval)

General Focus Electives

- MIS 6060 Advanced Databases and Big Data Management
- MIS 6200 Electronic Commerce
- MIS 6220 Business Object Development
- MIS 6250 IT Planning and Strategy
- MIS 6300 Managing Global Outsourcing of IT and IT Enabled Services
- MIS 6380 Knowledge Management
- MIS 6480 Issues in International Technology
- MIS 6900 ST: Deep Learning and Text Analytics

Following courses require QMM 5100

- MIS 5460 Business Analytics
- MIS 5470 Practical Computing for Data Analytics
- MIS 5500 Web Analytics
- MIS 5560 Introduction to Data Science
- MIS 6900 ST: Social Network Analysis
- MIS 6900 ST: Advanced Analytics with Python
- POM 5410 Operations Analytics
- QMM 5520 Forecasting
- QMM 6400 Management Science
- Other electives from related disciplines (with prior approval)

CAPSTONE COURSE (3 credits)

Synthesizes students' knowledge and applies it to address issues in one or more areas of focus.

- MIS 6940 Project Seminar

For program requirement details, please refer to the Oakland University 2021-23 Graduate Catalog at catalog.oakland.edu.

APPLICATION REQUIREMENTS

1. Application for graduate study
2. Curriculum vitae or resumé
3. Official transcripts from all the colleges and universities attended
4. Official transcripts providing evidence of an earned baccalaureate degree
5. Official GMAT or GRE scores
6. Email addresses of two individuals who will write your recommendation

International Students

1. Transcript evaluation (for degrees earned from a college or university outside of the United States)
2. Proof of English language proficiency
3. International supplemental application and supporting documents

ADMISSION DEADLINES

All application materials must be received by:

- Fall: July 15
- Winter: November 15
- Summer: March 1

International students

- May 1 for fall (September) admission
- September 1 for winter (January) admission
- January 1 for summer (May) admission

Graduate assistantship application due April 1 for all students.

OPTIONAL PRACTICAL TRAINING (OPT)

OU's MSITM program is STEM-coded. Students can apply for 24-month STEM extension after completing 12-month OPT.