



A GRADUATE DEGREE FOR A GROWING MARKET MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT

A degree that puts both managerial and technical skills at the forefront, the Master of Science in information technology management (MSITM) at Oakland University's School of Business Administration prepares students for a career managing, designing and creating information systems and technologies. Through a program based on experiential learning, students in the MSITM program learn the practical skills they need to advance in their careers.

Graduates of OU's MSITM program will be prepared to climb the career ladder in pursuit of such positions as business analyst, enterprise data architect, business analytics consultant, business intelligence analyst, information assurance network security engineer, security and network management engineer, IT project manager, privacy officer, IT strategy consultant or IT sourcing manager.

The program enhances students' knowledge of how firms use information technology (IT) to address business problems by focusing on the following essential components: data management and business analytics, information security management, and information and systems strategy and management.

Students may choose from two optional concentrations:
Business Analytics or Information Security Management.

IN-DEMAND CAREERS

Business analytics occupied two spots on CIO's list of most in-demand tech jobs for 2018, and two spots on LinkedIn's list of top ten skills companies need most for 2018. *U.S. News & World Report* listed information security analyst as a best technology job and best STEM job in its 2017 job rankings report.

IT Security Outlook

The U.S. Bureau of Labor Statistics expects job growth of 28 percent among information security analyst careers by 2026, which should lead to around 28,400 new positions in that period nationwide.

Data Analytics Outlook

The U.S. Bureau of Labor Statistics expects job growth of 27 percent in this field by 2026, leading to around 31,300 new positions nationwide.

APPLICATION REQUIREMENTS

1. Application for graduate study
2. SBA supplemental application
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. Two recommendation forms

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: February 15 (early), April 15 (regular), July 15 (late)
- Winter: October 1 (early), November 15 (regular)
- Summer: March 1

International students:

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

Optional Practical Training (OPT)

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

CONCENTRATIONS AVAILABLE IN

- BUSINESS ANALYTICS
- 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

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

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 5460 Business Analytics (for Business Analytics)
 - 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.

Concentration Courses (18 credits)

Develops in-depth knowledge in a specified area of interest. After students have built a solid foundation, they will be able to choose six courses (three credits each) from a host of electives offered by the Department of Decision and Information Sciences on emerging information technologies and topics of contemporary interest.

BUSINESS ANALYTICS CONCENTRATION

Required Course

- MIS 5560 Decision Support Systems

Electives

- MIS 5470 Practical Computing for Data Analytics
- MIS 5500 Web Analytics
- MIS 6060 Advanced Databases and Big Data Management

- POM 5410 Operations Analytics
- QMM 6400 Management Science
- QMM 6520 Forecasting
- Other electives from related disciplines (with prior approval)

INFORMATION SECURITY MANAGEMENT (ISM) CONCENTRATION

Required Courses

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

Electives

- 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

GENERAL FOCUS: IS STRATEGY AND 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 6410 IS Privacy
- MIS 6430 Intellectual Property and Public Domain in the Age of Remix
- MIS 6480 Issues in International Information Technology
- MIS 6900 Special Topics in Management Information Systems

Capstone Course (3 credits)

Synthesizes students' knowledge and applies it to address issues in one or more areas of focus (MIS 6940).

BUSINESS ANALYTICS PROGRAMS AT OAKLAND UNIVERSITY

- Graduate Certificate
- Concentration in MBA
- Concentration in MS in IT Management
- Specialization for MIS majors Minor for any OU major

Learn more oakland.edu/msitm

For program requirement details, please reference the Oakland University 2017-19 Graduate Catalog at catalog.oakland.edu.

SCHOOL OF BUSINESS ADMINISTRATION

LEARN MORE | oakland.edu/msitm | (248) 370-3287 | OUGradBusiness@oakland.edu | oakland.edu/business