**OAKLAND UNIVERSITY**™

# 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.

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

The program enhances students' knowledge of how firms use information technology 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.

The School of Business Administration also offers a Business Analytics concentration in its MBA program and a Business Analytics minor for OU undergraduate students.

## IN-DEMAND CAREERS

Business analytics occupied two spots on the 2015 list of Computerworld's 10 hottest IT skills, where IT executives declare these skills among the most sought after. US News & World Report ranked Information Security Analyst as a Best Technology Job in 2015, specifically listed as third in Best Technology Jobs and Best STEM Jobs; eighth on list of 100 Best Jobs; and 15th in Best Paying Jobs.

### IT Security Outlook
The U.S. Bureau of Labor and Statistics expects job growth of 37 percent among information security analyst careers by 2022, which should lead to around 27,400 new positions in that period nationwide.

### Data Analytics Outlook
The McKinsey Global Institute estimates U.S. demand for business professionals skilled in big data and business analytics could outstrip supply by 60 percent, or 1.5 million jobs, by 2018.

## 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:
• July 15 for the fall semester*
• November 15 for the winter semester*
• March 15 for the summer semester

**\*International Students:**
• May 1 for the fall semester
• September 1 for the winter semester

### Optional Practical Training (OPT)
OU's MSITM program is STEM-coded. Students can apply for 17-month extension of their post-completion 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 305 Information Technology Foundations

#### Foundation
- MIS 524 Enterprise Information Systems
- QMM 510 Quantitative Methods for Managers

### IT Core Courses *(9 credits)*\*
Provides analysis, design and implementation skills.
- MIS 604 Introduction to Databases and Data Warehouses
- MIS 516 Software Program and Project Management
- MIS 515 Systems Design *(for General Focus)*
  - *or* • MIS 546 Business Analytics *(for Business Analytics)*
  - *or* • MIS 563 Networks *(for Information Security 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 will be able to choose six courses 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 636 Decision Support Systems

*Students Must Choose Two:*
- MIS 606 Advanced Databases and Big Data Management
- MIS 645 Simulation in Management
- MIS 680 Special Topics: Practical Computing for Data Analytics
- MIS 680 Special Topics: Web Analytics
- QMM 640 Management Science

#### Information Security Management Concentration\*\*
*Required Courses:*
- MIS 564 Network Management
- MIS 640 IS Security

*Students Must Choose One:*
- MIS 641 IS Privacy
- MIS 643 Intellectual Property and Public Domain in the Age of Remix
- MIS 680 Special Topics: IS Risk Assessment
- MIS 680 Special Topics Information Security Controls Development
- CIT 448 Information Security Practice

#### IS Strategy and Management Track (General Focus)
*Choose Additional Electives to Fullfil 18 Credit Requirement*
- MIS 620 Electronic Commerce
- MIS 622 Business Object Development
- MIS 624 Business Application Architecture
- MIS 625 IT Planning and Strategy
- MIS 630 Managing Global Outsourcing of IT and IT Enabled Services
- MIS 641 IS Privacy
- MIS 642 IS Issues in Supply Chain Management
- MIS 643 Intellectual Property and Public Domain in the Age of Remix
- MIS 648 Issues in International Information Technology
- MIS 680 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 650).

\*\*For **Business Analytics** and **Information Security Management**, students must take an additional 9 credits in electives to meet degree requirements. Students can select electives from the program list or from related disciplines with approval from the program director.

*For additional program requirement details, please reference the Oakland University 2015-17 Graduate Catalog at oakland.edu.*

## OAKLAND UNIVERSITY™
### School of Business Administration