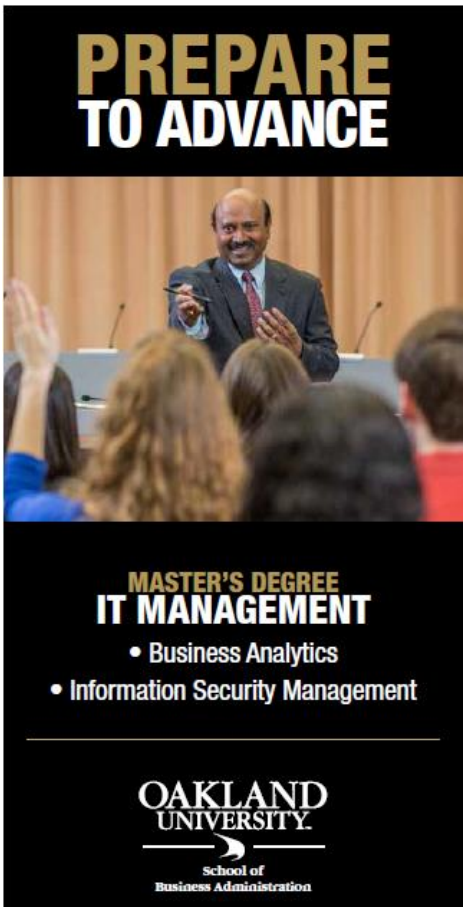

A graduate degree for a growing market

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 occupies 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* ranks 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

Learn more

www.oakland.edu/msitm
Call: (248) 370-3287
Email: gbp@lists.oakland.edu

LEARN MORE

MASTER'S DEGREE IT MANAGEMENT

• Business Analytics
• Information Security Management

OAKLAND UNIVERSITY

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 are 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 and 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 515 Systems Design or MIS 546 Business Analytics or MIS 563 Networks
- MIS 516 Software Program and Project Management

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 Courses
- MIS 546 Business Analytics
- MIS 636 Decision Support Systems

In addition, students must take at least one additional course from the following list of electives.
- 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

In addition, students must take at least one additional course from the following list of electives.
- 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 548 Information Security Practice

IS Strategy and Management Track

Elective Courses
- 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 the Public Domain in the Age of Remix
- MIS 648 Issues in International Information Technology
- MIS 680 Special Topics in Management Information Systems

AACSB ACCREDITED

Capstone course (3 credits)
Synthesizes students' knowledge and applies it to address issues in one or more areas of focus

For additional program requirement details, please reference the Oakland University 2015-16 Graduate Catalog at oakland.edu.