Master of Science in Information Technology Management

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Program description

The Master of Science in Information Technology Management (MSITM) is offered by the Department of Decision and Information Sciences within the School of Business Administration. This degree puts managerial and technical skills at the forefront by preparing students for career managing information and creating information technology in today’s digital world. Through a program based on experiential learning, students in the MSITM program learn practical skills needed to advance their careers. The MSITM program is designed to prepare students for careers in Information Systems Strategy and Management, Business Analytics and Information Security Management. Optional concentrations are available in the areas of Business Analytics and Information Security Management.

Application terms and application deadlines
Before an applicant’s file can be reviewed for full program admission, all application documents must be received in Graduate Study and Lifelong Learning by the semester deadlines listed below. Incomplete applications will not be sent to departments for admission review.
- July 15 for fall semester
- November 15 for winter semester
- March 15 for summer semester
- International applicants

Application requirements

To be considered for graduate admission, applicants must submit all Graduate Application Requirements and additional department requirements by the published application deadlines: Master's and graduate certificate students must submit a department-approved plan of study by the end of their first semester of graduate coursework. Doctoral students must submit an approved plan of study prior to completion of the first year of coursework. (See the Graduate Student Responsibility section of this catalog.)

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1. **Graduate Application Requirements**

- Online Application for Admission to Graduate Study
- Official transcripts providing evidence of an earned baccalaureate degree from an accredited U.S. institution, OR a degree equivalent to a four-year U.S. baccalaureate degree from a college or university of government-recognized standing.
- Official transcripts for all post-secondary educational institutions from which the applicant earned a degree (beginning with the first baccalaureate) and for all enrollment in graduate-level coursework beyond the bachelor’s degree. As part of the admission requirements, graduate programs may require official transcripts from post-secondary educational institutions from which the applicant earned an associate’s degree and all enrollment in coursework both pre- and post-bachelor’s degree.
- International university transcripts must be evaluated by a professional credential evaluation service. Oakland University will only accept transcript evaluations completed by a NACES (National Association of Credential Evaluation service) member organization. Many applicants use World Educational Services (WES) or Educational Credential Evaluators (ECE). NACES membership can be confirmed by visiting [www.naces.org/members.htm](http://www.naces.org/members.htm). Graduate programs requiring more detailed information may require an applicant to submit a course-by-course (or detailed) evaluation report rather than the general evaluation report. Official foreign transcripts will not be required by Oakland University since official transcripts must be submitted to and verified by the evaluation service. However, applicants must submit photocopies of their foreign transcripts with their application materials.
- Two official and original Recommendation for Graduate Admission forms. (Note: Some programs require more than two recommendation forms. Refer to the program application requirements listed below for the total number of recommendations and specific requirements for the recommendations.)
- Proof of English language proficiency
- International supplemental application and supporting documentation must be submitted before international applicants can be issued the Certification of Eligibility (I-20). This certificate is required to apply for a student visa from the U.S. embassy or consulate.

2. **Additional department application requirements**

- Supplemental Program Form
- Official Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) scores. The GMAT or GRE scores must be five years or less at the time of the applicant's intended enrollment at Oakland University.
- Applicants applying to one of the graduate programs may request a waiver of the GMAT or GRE requirement if they meet one of the following criteria.
  - Applicant has earned a master's degree (or higher) from a U.S. institution.
  - Applicant has earned a bachelor's degree within the last five (5) years of the expected date of enrollment with an overall GPA of at least 3.5 from an
AACSB accredited business school.
  o Applicant has earned a bachelor's degree from the Oakland University School of Engineering and Computer Science within the last five (5) years of the expected date of enrollment with an overall GPA of at least 3.5.

To request a waiver, applicants must submit a Request to Waive GMAT form to Graduate Admissions as part of the application packet. The request for waiver is subject to the approval of the Graduate Admissions Committee.

Admission review and assessment

Admission to the Master of Science in Information Technology Management degree program is selective and depends on several elements, including scholarship and ability to communicate effectively. In making admission recommendations, the department assesses the potential of applicants for success in the MSITM program by examining their undergraduate records, their GMAT or GRE scores, their responses to questions on the Supplemental Program Form, their recommendations, and their experience.

Applicants applying to one of the graduate programs may request a waiver of the GMAT or GRE requirement if they meet one of the following criteria.

- Applicant has earned a master’s degree (or higher) from a U.S. institution.
- Applicant has earned a bachelor’s degree within the last five (5) years of the expected date of enrollment with an overall GPA of at least 3.5 from an AACSB accredited business school.
- Applicant has earned a bachelor’s degree from the Oakland University School of Engineering and Computer Science within the last five (5) years of the expected date of enrollment with an overall GPA of at least 3.5.

To request a waiver, the applicant must submit this form to Graduate Admissions as part of the application packet. The request for waiver is subject to the approval of the Graduate Admissions Committee.

http://www.oakland.edu/upload/docs/SBA/SBA-Grad/WAIVER%20GMAT%20MBA%20MSITM%20-%20effect%202014.pdf

Degree requirements

The Master of Science in Information Technology Management 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 may be waived from these courses.
- **IT core courses:** Provides analysis, design and implementation skills.
- **Elective courses:** Develops in-depth knowledge in a specified area of interest.
- **Capstone course:** Synthesizes students’ knowledge and applies it to address issues in one or more areas of focus.

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Course requirements

a. Preparatory course

- MIS 305, Information Technology Foundations (3 credits)

b. Foundation course

- MIS 524 - Enterprise Information Systems (3 credits)
- QMM 510 Quantitative Methods for Managers (3 credits)

c. IT Core courses

- MIS 604 - Introduction to Databases and Data Warehouses (3 credits)
- MIS 515 - Systems Design or MIS 546 – Business Analytics or MIS 563 – Networks (3 credits)
- MIS 516 - Software Program and Project Management (3 credits)

d. Electives

After the students have built a solid foundation, they will be able to choose six courses (18 credits) from a host of electives offered by the Department of Decision and Information Sciences on emerging information technologies and topics of contemporary interest. Other electives from related disciplines may be considered with the approval of the program director.

Areas of focus

If MSITM students want a more structured set of electives, they can take one of the MSITM concentrations. The MSITM concentrations consist of the electives structured as noted below. A single class may not be counted toward more than one concentration. All courses are 3 credits, unless otherwise noted.

1. Business Analytics Concentration

MSITM students wishing to earn a Concentration in Business Analytics are required to take the following two courses:

- MIS 546 Business Analytics (3 credits)
- MIS 636 Decision Support Systems (3 credits)
In addition, students must take one additional course from the following list of electives. Additional electives may be added to this list as deemed appropriate for the concentration by the program director.

- MIS 606 Advanced Database Management Systems (3 credits)
- MIS 645 Simulation in Management (3 credits)
- MIS 680 Special Topics: Practical Computing for Data Analytics (3 credits)
- MIS 680 Special Topics: Web Analytics (3 credits)
- QMM 640 Management Science (3 credits)

2. Information Security Management Concentration

MSITM students wishing to earn a Concentration in Information Security Management are required to take the following two courses:

- MIS 564 - Network Management (3 credits)
- MIS 640 - IS Security (3 credits)

In addition, students must take one additional course from the following list of electives. Additional electives may be added to this list as deemed appropriate for the concentration by the program director.

- MIS 641 IS Privacy (3 credits)
- MIS 643 Intellectual Property and Public Domain in the Age of Remix (3 credits)
- MIS 680 Special Topics: IS Risk Assessment (3 credits)
- MIS 680 Special Topics Information Security Controls Development (3 credits)
- CIT 548 Information Security Practice (3 credits)

3. IS Strategy and Management Track

Electives in the area of information systems strategy and management include:

- MIS 625 - IT Planning and Strategy (3 credits)
- MIS 630 - Managing Global Outsourcing of IT and IT Enabled Services (3 credits)
- MIS 641 - IS Privacy (3 credits)
- MIS 642 - IS Issues in Supply Chain Management (3 credits)
- MIS 643 - Intellectual Property and the Public Domain in the Age of Remix (3 credits)
- MIS 648 - Issues in International Information Technology (3 credits)
- MIS 680 - Special Topics in Management Information Systems (3 credits)

d. Other electives (0-9 credits)

MSITM students who are waived from Core courses will have the opportunity to select other graduate business electives to fulfill their 30-credit hour program.
e. Exit

All students are required to complete this course. The project seminar provides students an opportunity to integrate the concepts in the MSITM program.

- MIS 650 - Project Seminar (3 credits)

Satisfactory academic progress

Satisfactory Academic Progress (SAP) is the term used to denote a student’s successful completion of coursework toward a certificate or degree. Federal regulations require the Office of Financial Aid to monitor Satisfactory Academic Progress for all financial aid recipients each semester.

Students who fall behind in their coursework, or fail to achieve minimum standards for grade point average and completion of classes, may lose their eligibility for all types of federal, state and university aid. Contact the Office of Financial Aid for additional details.

Good academic standing

All graduate students are expected to remain in good academic standing throughout the entire course of their graduate program. To be in good academic standing, a graduate student must make satisfactory progress toward fulfilling degree requirements, including the completion of critical degree milestones as set forth by the academic program. The student must also maintain a minimum semester and overall GPA of 3.0.

Good academic standing is a requirement for:
- Holding a Graduate Assistantship
- Receiving a fellowship or scholarship
- Advancing to candidacy for a graduate degree
- Going on a leave of absence
- Obtaining a graduate certificate or degree from Oakland University.

Additionally, graduate students must meet all department academic standards which may be more stringent than the minimum set forth by the University.

Department requirements: In accordance with the university requirements for graduate students, a grade-point average of 3.0 is required for graduation. Students, therefore, should maintain at least a 3.0 GPA. Students may be dismissed if they do not maintain a GPA of 3.0 or appropriate progress toward the degree as determined by the Office of Graduate Business Programs. Any course resulting in a grade below 2.0 must be repeated.

Graduate students who are not in good academic standing for any reason are subject to probation and/or dismissal from further graduate study.

Related program information

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Plan of study
All accepted applicants, in consultation with their assigned faculty program adviser, must develop a plan of study that details specific courses the students will use to satisfy their degree requirements. The plan of study must be approved by the faculty program adviser and submitted by the student to Graduate Study and Lifelong Learning.

Master’s and graduate certificate students must submit a department-approved plan of study by the end of their first semester of graduate coursework. Doctoral students must submit an approved plan of study prior to completion of the first year of coursework.

Note: Credit granted for successful completion of a course toward an undergraduate degree program may not be repeated for a graduate degree. If a substitution is approved, the minimum number of program-approved graduate credits will be required. A Petition of Exception - OU Course Waiver/ Substitution requesting the substitution must be approved.