

Master of Science in Information Systems Technologies



Expertly Match Information Technology Solutions With Business/Organizational Goals

The M.S. in Information Systems Technologies prepares graduates to manage complex systems and to coordinate the relationship between business requirements and technological solutions. With this graduate degree, you will gain and enhance the skills needed to oversee the development and implementation of information systems technology, and to lead projects from inception to completion.



An Interdisciplinary Program

To blend your advanced study of IT with managerial concepts and skills, this M.S.-IST degree program closely aligns with the business curriculum at Wilmington University but maintains a decidedly technological leaning. You'll learn from expert instructors who are engaged practitioners, and a three-credit field experience/internship component puts theory into practice.



Custom Information Technology Concentrations

Personalize your studies to focus on your specific career goals by selecting one of four Information Systems Technologies graduate degree concentrations: Information Assurance, Management and Management Information Systems, Technology Project Management or Web Design.



Rich Career Opportunities

With a WilmU master's degree in Information Systems Technologies, you will have the education credentials for success in a rapidly expanding market. Through your coursework, you'll gain knowledge of current informational practices that can be immediately applied in business, education or government organizations of all sizes.



12 courses | 36 total credits

Finish your Information Systems Technologies master's degree in as little as one year.

\$1,572

per course

Cost of a typical 3-credit course



Classes start every 8 weeks.



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Master of Science in Information Systems Technologies

M.S.-IST Core Course Requirements (18 credits)

During or after the completion of the selected concentration courses, students will complete the six core courses listed and either IST 8105 or IST 8101.

<input type="checkbox"/> IST 7000 Data Management	<input type="checkbox"/> IST 7060 Project and Change Management
<input type="checkbox"/> IST 7020 Analysis, Modeling and Design	<input type="checkbox"/> IST 7080 Cloud Management
<input type="checkbox"/> IST 7040 Data Communications and Networking	<input type="checkbox"/> IST 7100 IT Policy and Strategy

Information Assurance Concentration (15 credits)

During or after the completion of the IST core requirements, students will complete the prerequisite course SEC 6010 and three (3) other SEC 6000 series courses from the following list as well as SEC 7050 Information Assurance Integration/Capstone.

<input type="checkbox"/> MAJ 7000 Contemporary Issues in Homeland Security	<input type="checkbox"/> SEC 6070 Penetration Testing
<input type="checkbox"/> SEC 6010 Planning for Information Security	<input type="checkbox"/> SEC 6080 Industrial Control Systems (ICS) Security
<input type="checkbox"/> SEC 6015 Cloud Security Essentials	<input type="checkbox"/> SEC 6082 SCADA Architecture
<input type="checkbox"/> SEC 6030 Operating System and Computer Systems Security	<input type="checkbox"/> SEC 6084 SCADA Risk Management and Auditing
<input type="checkbox"/> SEC 6040 Web and Data Security	<input type="checkbox"/> SEC 6086 SCADA Security Awareness and Standards
<input type="checkbox"/> SEC 6050 Security Data Analytics	<input type="checkbox"/> SEC 6090 Topics in Information Assurance Integration/Capstone Course
<input type="checkbox"/> SEC 6060 Incident Handling and Response	<input type="checkbox"/> SEC 7050 Information Assurance Integration/Capstone

Management and Management Information Systems Concentration (15 Credits)

During or after the completion of the IST core requirements, students will complete five (5) courses from the following list as well as either IST 8105 or IST 8101.

Select FIVE from the following:

<input type="checkbox"/> MGT 6400 Global Leadership	<input type="checkbox"/> MGT 7591 Leadership and Communication
<input type="checkbox"/> MGT 7300 Business Finance	<input type="checkbox"/> MGT 7750 Strategy and Decision-Making
<input type="checkbox"/> MGT 7504 Ethical Issues in Management	<input type="checkbox"/> MGT 7900 Topics in Management
<input type="checkbox"/> MGT 7508 Change Management	

Four Specialized Concentrations:

- Information Assurance
- Management and Management Information Systems
- Technology Project Management
- Web Design

- Required for all M.S.-IST degrees
- Concentration (*choose one*)

Prerequisite courses not listed here may be required.

Have questions? We're here to help!

Academic Recruiters

 **(302) 213-3916**
 **recruiting@wilmu.edu**

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Technology Project Management Concentration (15 Credits)

After completing IST 7060, and either during or after the completion of the IST core requirements, students will complete five (5) courses from the following list.

IPM 6015 Project Scoping and Scheduling

IPM 6050 Agile Project Management

IPM 6030 IT/IS Project Risk Management

IPM 6060 Technology Project Leadership and Teamwork

IPM 6040 IT/IS Project Quality Management

IPM 6090 Special Topics in IT/IS Project Management

Web Design Concentration (15 Credits)

During or after the completion of the IST core requirements, students will complete the prerequisite course DSN 6000 and three (3) other DSN 6000 series courses from the following list as well as DSN 7010 Web Design Integration/Capstone.

DSN 6000 Web Design and Architecture

DSN 6073 Server-Side Web Development

DSN 6040 Web Design with JavaScript

DSN 6080 Internet Development/Design for Competitive Advantage

DSN 6050 Markup Languages Advanced Authoring

DSN 6090 Topics in Web Design and Programming

DSN 6060 Database/Web Design Integration

DSN 7010 Web Design Integration/Capstone Course

Capstone Course or Supervised Field Experience/Internship (3 credits)

Students in the M.S.-IST program will take either IST 8105 or IST 8101 in their final semester. IST 8105 is a 7-week capstone course for students who do not anticipate doing an internship in their final semester.

IST 8105 IST Capstone

OR

IST 8101 Field Experience/Internship

Eligibility for IST 8105:

Students must be in the final year of their M.S.-IST program with a majority of the program requirements completed. Students must have successfully completed all IST 7000 series courses (18 credits) and at least three of their program's concentration courses (9 credits) before registering for IST 8105.

Note: Attending the first IST 8105 class meeting is required. An absence from the first class meeting will result in an administrative drop from the course.

Eligibility for IST 8101 Supervised Field Experience/Internship (3 credits):

Students must be in the final year of their M.S.-IST program with a majority of the program requirements completed. Students must have successfully completed all IST 7000 series courses (18 credits) and at least three of their program's concentration courses (9 credits) before registering for IST 8101. Students must have a valid and verified co-op or internship before the beginning of an IST 8101 course. Students who cannot obtain a co-op or internship before the beginning of the IST 8101 course must register for IST 8105. However, if the student obtains a valid and verified co-op or internship prior to the end of the IST 8101 DROP/ADD period, they may become eligible for IST 8101 registration approval. Students must obtain approval from the program chair to register for IST 8101.

Note: Attending the first IST 8101 class meeting is required. An absence from the first, class meeting will result in an administrative drop from the course.

There are two possible IST 8101 completion options:

Option one provides students in the Web Design Concentration with an opportunity to design and develop an electronic portfolio.

Option two enables students to gain practical IT experience through a technical internship while documenting their IT experiences using an Action Research methodology.

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■ Required for all M.S.-IST degrees

■ Concentration (choose one)

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