Exploring the Information Systems Major

Information delivered quickly and accurately is the key to any successful enterprise. The IT/IS specialist provides the infrastructure for firms to compete strategically by planning, designing, installing and managing the systems used by a firm's functional areas — finance, marketing, human resources management and supply chain management.

Bulletin Information on the INSY major

Undergraduate Bulletin
INSY specific information

INFORMATION SYSTEMS MAJOR

Specific Information Systems Course Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>INSY 3001</td>
<td>Introduction to Information Systems</td>
<td>3</td>
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<tr>
<td>INSY 4051</td>
<td>Business Applications Development</td>
<td>3</td>
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<td>INSY 4052</td>
<td>Database Management Systems</td>
<td>3</td>
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<td>INSY 4158</td>
<td>Systems Analysis and Design</td>
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<tr>
<td>INSY 4053</td>
<td>Project Management</td>
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<td>INSY 4054</td>
<td>Emerging Technologies</td>
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<td>INSY 4055</td>
<td>Web-based Applications</td>
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<td>INSY 4056</td>
<td>Information Systems Governance</td>
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<td>INSY 4057</td>
<td>Enterprise Systems in Supply Chain Management</td>
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<td>INSY 4156</td>
<td>Privacy and Security</td>
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<td>INSY 4540</td>
<td>Global Technology Experience</td>
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<tr>
<td>INSY 4931</td>
<td>Topics in Information Systems</td>
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<td>INSY 4953</td>
<td>Seminar in Information Systems</td>
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<td>Two of the following:</td>
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<td>Four Business electives</td>
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<td>Total Credit Hours</td>
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Advising Central

Advising Central contains:
Advising Information
Considerations for Fall 2020
Advising Frequently Asked Questions
Registration Information
Registration Frequently Asked Questions
College and University & Registration Forms

Visit https://www.marquette.edu/business/undergraduate/advising-central.php for more

O*Net – Skills and Occupations to Explore

O*NET OnLine has detailed descriptions of the world of work for use by job seekers, workforce development and HR professionals, students, researchers, and more! You can browse for occupations by interest code here: https://www.onetonline.org/find/
While your interests and personality should never be seen as exclusionary, common Information Systems occupations by RIASEC interest code include **Investigative**, **Conventional** and **Enterprising**:

- Information Security Analysts: [https://www.onetonline.org/link/summary/15-1122.00](https://www.onetonline.org/link/summary/15-1122.00)
- Business Intelligence Analyst: [https://www.onetonline.org/link/summary/15-1199.08](https://www.onetonline.org/link/summary/15-1199.08)
- Information Technology Project Managers: [https://www.onetonline.org/link/summary/15-1199.09](https://www.onetonline.org/link/summary/15-1199.09)

**Video resources**
Hear more about Marquette’s Global Business Learning from Information Systems graduate Will Crowley ’20: [https://streaming.mu.edu/hapi/v1/contents/permalinks/Hi54AsJa/view](https://streaming.mu.edu/hapi/v1/contents/permalinks/Hi54AsJa/view)

**Learn More About IS/IT Positions and Career Paths**
- [What can I do with a major in Information Systems?](https://www.onetonline.org/link/summary/15)
- [Career Options, Job Titles and Descriptions](https://www.onetonline.org/link/summary/15)
- [Skills needed for Business Analysts](https://www.onetonline.org/link/summary/15)
- [Reasons Why Companies are Hiring Business Analysts](https://www.onetonline.org/link/summary/15)

**Student Organizations to Consider**

**Delta Sigma Pi (DSP)**
*Delta Sigma Pi is a professional fraternity organized to foster the study of business; to encourage scholarship, social activity and the association of students for their mutual advancement by research and practice; to promote closer affiliation between the commercial world and students of commerce, and to further a higher standard of commercial ethics and culture and the civic and commercial welfare of the community.*

**Information Technology Student Organization (ITSO)**
*For Information Technology majors, the student organization is the Information Technology Student Organization (ITSO). This is a very active student group that brings in external speakers on a nearly weekly basis throughout the academic year to allow members and others hear about current trends in information technology. The group holds a number of events that bring students and professionals together, including networking events and career fairs specifically for Information Technology majors.*

**Women in Business (WIB)**
*Women in Business is an organization at Marquette University founded in 2007 to aid female students in building their resume, gaining leadership skills, increasing networking opportunities, and taking a look into and gaining insight from the lives of professional women. Members of the organization are undergraduate female students interested in having a professional career upon graduation. Members from all majors are welcome, typically we see students from the College of Business Administration and the College of Communications. WIB typically holds monthly meetings that bring professional working women from across the Midwest to campus to discuss a*
variety of topics. In addition, the organization holds socials and "how to" sessions regarding different aspects of attaining a job.

**Go-Getters**
The vision of the Go-Getters is to maximize business students’ career potential by bringing in speakers, sponsoring seminars and workshops, touring companies, and one-on-one counseling sessions dealing with various aspects of career management. The members are eager to identify, pursue and earn a career opportunity with their number one choice of an employer.

**Professional Organizations to Consider**

**CompTIA**
CompTIA, the world’s leading tech association, is a thought leader and an action leader. From our IT professional association to our leading certification programs, from our original research to our member communities and councils, our unparalleled programs set industry standards, foster skills development and generate knowledge and insight every day.

([https://www.comptia.org/about-us](https://www.comptia.org/about-us))

**Information Systems Security Association International**
ISSA is the community of choice for international cybersecurity professionals dedicated to advancing individual growth, managing technology risk and protecting critical information and infrastructure. The Information Systems Security Association (ISSA)® is a not-for-profit, international organization of information security professionals and practitioners. It provides educational forums, publications, and peer interaction opportunities that enhance the knowledge, skill, and professional growth of its members.

([https://www.issa.org/about-issa/](https://www.issa.org/about-issa/))

**Project Management Institute**
Project Management Institute (PMI) is the world’s leading association for those who consider project, program or portfolio management their profession. Through global advocacy, collaboration, education and research, we work to prepare more than three million professionals around the world for the Project Economy: the coming economy in which work, and individuals, are organized around projects.

([https://www.pmi.org/about](https://www.pmi.org/about))