Information systems management

Career information
Information systems management

Information Systems Management (ISM) combines statistics, management science, production/operations management, and information systems. This unique mix blends quantitative methods and analytical approaches to solving problems in all areas of business utilizing current technology.

ISM graduates have been successful in entry-level jobs such as systems analysts, information systems application developers, software testers, and end-user support. ISM graduates with a focus in production/operations management have been successful in entry-level jobs associated with scheduling/planning, quality control, purchasing/inventory control, and materials management.

*It is highly recommended that you obtain an information systems management internship while you are still enrolled as a student. The majority of entry-level ISM positions are filled by students with previous internship experience.*

What can I do with this major?

<table>
<thead>
<tr>
<th>Areas</th>
<th>Employers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systems development</td>
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<tr>
<td>Analysis</td>
<td>Financial institutions</td>
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<tr>
<td>Design</td>
<td>Insurance companies</td>
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<tr>
<td>Support</td>
<td>Consulting firms</td>
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<tr>
<td>Systems integration</td>
<td>Manufacturers</td>
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<td>Computer companies</td>
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<td>Telecommunications companies</td>
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Network technology

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<tr>
<th>Areas</th>
<th>Employers</th>
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<tr>
<td>Intranet administration</td>
<td>Financial institutions</td>
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<tr>
<td>Intranet development</td>
<td>Insurance companies</td>
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<tr>
<td>Hardware and software design support</td>
<td>Consulting firms</td>
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<tr>
<td></td>
<td>Manufacturers</td>
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<td></td>
<td>Computer companies</td>
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<td>Telecommunications companies</td>
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Internet

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<tr>
<th>Programming</th>
<th>Internet-related companies including:</th>
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<tbody>
<tr>
<td>Systems analysis</td>
<td>Browsers</td>
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<td>Hardware production</td>
<td>Search engines</td>
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<td></td>
<td>Website design services</td>
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Non-technical

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<tr>
<th>Customer service</th>
<th>Software developers</th>
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<tr>
<td>Product support</td>
<td>Technical service providers</td>
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<td>Technical writing</td>
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Salary data

According to the Bureau of Labor Statistics (BLS) Occupational Outlook Handbook, employment for computer and information systems managers is projected to grow 18 percent from 2010 to 2020, about as fast as the average for all occupations. Growth will be driven by organizations upgrading their IT systems and switching to newer, faster and more mobile networks.

The average salary offer for Information Systems Management majors is $60,300 according to the National Association of Colleges and Employers (NACE) Salary Survey taken in September 2013. However, national data is generally skewed a bit due to higher cost of living areas. According to the Midwest Association of Colleges and Employers (MWACE) the average offer in the Midwest is $42,062.

Local information technology companies

- Acro Service Corporation, acrocorp.com
- Altair Engineering, altair.com
- CareTech, caretech.com
- Compuware Corp., compuware.com
- HTC Global Services, htcinc.com
- Stefanini, stefanini.com
- Strategic Staffing Solutions, strategicstaff.com
- Syntel, syntelinc.com
- Tata Technologies Ltd., tatatechnologies.com
- VisionIT, visionit.com
Local software design companies

- ANX, anx.com
- Aqaba Technologies, aqabatech.com
- Armstrong White, armstrong-white.com
- Compuware, compuware.com
- DataSpeaks, dataspeaks.com
- Digerati, digerati.co
- Enmark Systems, enmark.com
- Gongos Research, gongos.com
- iDashboards, idashboards.com
- Johnson & Johnson Health & Wellness Solutions, wellnessandpreventioninc.com
- KUKA Robotics, kuka-robotics.com
- Kyyba, kyyba.com
- Lakeside Software, lakesidesoftware.com
- Llamasoft, llamasoft.com
- Materialise, materialise.com
- Menlo Innovations, menloinnovations.com
- NovoDynamics, Inc., novodynamics.com
- Nutshell, nutshell.com
- Plexus Systems, plex.com
- RazorThreat, razorthreat.com
- Dassault Systemes, 3dexcite.com
- SIMPACK, simpack.com
- Stardock Corporation, stardock.com
- Stout Systems, stoutsystems.com
- ThermoFisher Scientific, corporate.thermofisher.com
- Tyler Technologies, tyleretech.com
- V2Soft, v2soft.com
- VED Software Services, vedsoft.com
- With a Twist, linkedin.com/company/with-a-twist-studio
- Workforce Software, workforcesoftware.com
Related websites

**Association for Information Systems** • aisnet.org
Professional association for information systems academic professionals

**Computing Research Association** • cra.org
Information and career resources related to computer science, computer engineering, laboratories and centers in industry, government and academia engaging in basic computing research

**Information Systems Security Association** • issa.org
A not-for-profit, international organization of information security professionals and practitioners. Provides educational resources and professional networking opportunities.

**Association for Computing Machinery** • acm.org
An educational and scientific computing society with resources for careers, professional development and information about the computing profession

**National Center for Women & Information Technology** • ncwit.org
A coalition of more than 700 corporations, academic institutions, government agencies and nonprofits working to increase women’s participation in information technology

**WayneBizCareers** • waynebizcareers.com
Exclusive to WSU Mike Ilitch School of Business students and alumni

**Automation Alley Talent Exchange** • automationalley.workfountain.com
Connects internship and job seekers with employers

**Michigan Technology Jobs** • michigantechnologyjobs.com
Offers career information, job search, and resume posting features

**Career One Stop** • careeronestop.org
Sponsored by the U.S. Department of Labor

**Computer Work** • computerwork.com
Lists IT and computer related jobs
Intern in Michigan • interninmichigan.com
Centralized job site for internship opportunities in organizations throughout Michigan

DICE • dice.com
Specialized job search site for technology careers

Tips from the experts

Recruiter, Thompson Reuters: “People skills are critical in a business environment, so look for opportunities to practice them. Bring that mindset to group projects, your work, anywhere you can practice communicating effectively and having a positive impact on the people dynamics.

“When you are interviewing, it is critical to really listen to the question asked and keep your answer on topic. Don’t wander or embellish. And many employers ask behavioral questions, so seek opportunities to practice. These answers need to be specific examples, like you’re telling a story.”

Vice president, Meritor: “It’s important for students pursuing ISM degrees to understand that the key to success is leveraging technology to improve business outcomes. To do this effectively requires sound business analytical skills – as it’s virtually impossible to correctly apply technology solutions if you don’t thoroughly understand the business.”