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><strong>Systems Development</strong></td>
<td></td>
</tr>
<tr>
<td>Analysis</td>
<td>Financial institutions, insurance companies, consulting firms, manufacturers, computer companies, telecommunications companies</td>
</tr>
<tr>
<td>Design</td>
<td></td>
</tr>
<tr>
<td>Support</td>
<td></td>
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<tr>
<td>Systems Integration</td>
<td></td>
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<tr>
<td><strong>Network Technology</strong></td>
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<tr>
<td>Intranet Administration</td>
<td>Financial institutions, insurance companies, consulting firms, manufacturers, computer companies, telecommunications companies</td>
</tr>
<tr>
<td>Intranet Development</td>
<td></td>
</tr>
<tr>
<td>Hardware and Software Design Support</td>
<td></td>
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<tr>
<td><strong>Internet</strong></td>
<td></td>
</tr>
<tr>
<td>Programming</td>
<td>Internet-related companies including: browsers, search engines, web site design services</td>
</tr>
<tr>
<td>Systems Analysis</td>
<td></td>
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<tr>
<td>Hardware Production</td>
<td></td>
</tr>
<tr>
<td><strong>Non-Technical</strong></td>
<td></td>
</tr>
<tr>
<td>Customer Service</td>
<td>Software developers</td>
</tr>
<tr>
<td>Product Support</td>
<td>Technical service providers</td>
</tr>
<tr>
<td>Technical Writing</td>
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</table>
Hiring Trends & Earnings

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.

Percent of workforce hired by industry*

<table>
<thead>
<tr>
<th>Industry</th>
<th>% of workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer systems design and related services</td>
<td>17%</td>
</tr>
<tr>
<td>Finance and insurance</td>
<td>14%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>9%</td>
</tr>
<tr>
<td>Health care and social assistance</td>
<td>8%</td>
</tr>
<tr>
<td>Government</td>
<td>7%</td>
</tr>
</tbody>
</table>

Tips from technology hiring managers:

“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.”

- Recruiter, Thomson Reuters

“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.”

–Vice President, Meritor
Related Websites

Organizations & Associations:

**Association for Information Systems**
[www.aisnet.org](http://www.aisnet.org)
Professional association for information systems academic professionals

**Association for Computing Machinery**
[www.acm.org](http://www.acm.org)
An educational and scientific computing society with resources for careers, professional development and information about the computing profession

**Computing Research Association**
[www.cra.org](http://www.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**
[https://www.issa.org/](https://www.issa.org/)
A not-for-profit, international organization of information security professionals and practitioners. Provides educational resources and professional networking opportunities.

Job Postings & Career Information:

**WayneBizCareers**
[www.waynebizcareers.com](http://www.waynebizcareers.com)
Exclusive to Wayne State University School of Business Administration students and alumni

**Intern in Michigan**
[www.interninmichigan.com](http://www.interninmichigan.com)
Centralized job site for internship opportunities in organizations throughout Michigan

**Automation Alley-A Technology Business Association**
[www.michigantechnologyjobs.com](http://www.michigantechnologyjobs.com)
Offers career information, job search, and resume posting features

**Jobs for Programmers**
[www.prgjobs.com](http://www.prgjobs.com)
Lists jobs in computer programming, database, and networking

**Career One Stop**
[www.jobbankinfo.org](http://www.jobbankinfo.org)
Sponsored by the U.S. Department of Labor

**DICE**
[www.dice.com](http://www.dice.com)
Specialized Job search site for technology careers

**Computer Work**
[www.computerwork.com](http://www.computerwork.com)
Lists IT and computer related jobs
## Local Information Technology Companies

<table>
<thead>
<tr>
<th>Name</th>
<th>Website</th>
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</thead>
<tbody>
<tr>
<td>Acro Service Corp</td>
<td><a href="http://www.acrocorp.com">www.acrocorp.com</a></td>
</tr>
<tr>
<td>Altair Engineering Inc.</td>
<td><a href="http://www.altair.com">www.altair.com</a></td>
</tr>
<tr>
<td>CareTech Solutions Inc.</td>
<td><a href="http://www.caretech.com">www.caretech.com</a></td>
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<tr>
<td>Compuware Corp.</td>
<td><a href="http://www.compuware.com">www.compuware.com</a></td>
</tr>
<tr>
<td>HTC Global Services</td>
<td><a href="http://www.htcinc.com">www.htcinc.com</a></td>
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<tr>
<td>Strategic Staffing Solutions Inc.</td>
<td><a href="http://www.strategicstaff.com">www.strategicstaff.com</a></td>
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<tr>
<td>Syntel Inc.</td>
<td><a href="http://www.syntelinc.com">www.syntelinc.com</a></td>
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<tr>
<td>Tata Technologies Ltd.</td>
<td><a href="http://www.tatatechnologies.com">www.tatatechnologies.com</a></td>
</tr>
<tr>
<td>TechTeam Global Inc.</td>
<td><a href="http://www.techteam.com">www.techteam.com</a></td>
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<tr>
<td>VisionIT Inc.</td>
<td><a href="http://www.visionit.com">www.visionit.com</a></td>
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## Local Software Design Companies

<table>
<thead>
<tr>
<th>Name</th>
<th>Website</th>
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<tbody>
<tr>
<td>ANXeBusiness, Inc.</td>
<td><a href="http://www.anx.com/">www.anx.com/</a></td>
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<tr>
<td>Aqaba Technologies</td>
<td><a href="http://www.aqabatech.com">www.aqabatech.com</a></td>
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<tr>
<td>Armstrong White</td>
<td><a href="http://armstrong-white.com">http://armstrong-white.com</a></td>
</tr>
<tr>
<td>Compendia Bioscience</td>
<td><a href="http://www.compendiabio.com/">www.compendiabio.com/</a></td>
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<tr>
<td>Compuware</td>
<td><a href="http://www.compuware.com">www.compuware.com</a></td>
</tr>
<tr>
<td>DataSpeaks</td>
<td><a href="http://www.dataspeaks.com">www.dataspeaks.com</a></td>
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<tr>
<td>Digerati Solutions</td>
<td><a href="http://www.digeratisolutions.net">www.digeratisolutions.net</a></td>
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<tr>
<td>Enmark Systems</td>
<td><a href="http://www.enmark.com">www.enmark.com</a></td>
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<tr>
<td>Gongos Research</td>
<td><a href="http://www.gongos.com">http://www.gongos.com</a></td>
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<tr>
<td>HealthMedia</td>
<td><a href="http://www.healthmedia.com">www.healthmedia.com</a></td>
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<tr>
<td>iDashboards</td>
<td><a href="http://www.idashboards.com">www.idashboards.com</a></td>
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<tr>
<td>Lakeside Software, Inc.</td>
<td><a href="http://www.lakesidesoftware.com">www.lakesidesoftware.com</a></td>
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<tr>
<td>Llamasoft</td>
<td><a href="http://www.llamasoft.com">www.llamasoft.com</a></td>
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<tr>
<td>Materialise</td>
<td><a href="http://www.materialise.com">www.materialise.com</a></td>
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<tr>
<td>Menlo Innovations</td>
<td><a href="http://www.menloinnovations.com">www.menloinnovations.com</a></td>
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<tr>
<td>Mobatech</td>
<td><a href="http://www.mobatech.com">www.mobatech.com</a></td>
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<tr>
<td>Naviciti</td>
<td><a href="http://www.naviciti.com">www.naviciti.com</a></td>
</tr>
<tr>
<td>New World Systems</td>
<td><a href="http://www.newworldsys.com">www.newworldsys.com</a></td>
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<tr>
<td>NovoDynamics, Inc.</td>
<td><a href="http://www.novodynamics.com">www.novodynamics.com</a></td>
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<tr>
<td>Nutshell</td>
<td><a href="http://www.nutshell.com">www.nutshell.com</a></td>
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<tr>
<td>ORSYP Software, Inc.</td>
<td><a href="http://www.orsyp.com">www.orsyp.com</a></td>
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<tr>
<td>Plexus Systems</td>
<td><a href="http://www.plex.com">www.plex.com</a></td>
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<tr>
<td>RazorThreat</td>
<td><a href="http://www.razorthreat.com">www.razorthreat.com</a></td>
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<tr>
<td>RTT USA Inc.</td>
<td><a href="http://www.rttusa.com">www.rttusa.com</a></td>
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<tr>
<td>SIMPACK</td>
<td><a href="http://www.simpack.com">www.simpack.com</a></td>
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<tr>
<td>Stardock Corporation</td>
<td><a href="http://www.stardock.com">www.stardock.com</a></td>
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<tr>
<td>Stout Systems</td>
<td><a href="http://www.stoutsystems.com">www.stoutsystems.com</a></td>
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<tr>
<td>V2Soft</td>
<td><a href="http://www.v2soft.com">www.v2soft.com</a></td>
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<tr>
<td>VED Software Services</td>
<td><a href="http://www.vedsoft.com">www.vedsoft.com</a></td>
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<tr>
<td>Vision Tech Solutions</td>
<td><a href="http://www.visiontss.com">www.visiontss.com</a></td>
</tr>
<tr>
<td>With a Twist</td>
<td><a href="http://www.withatwiststudio.com">www.withatwiststudio.com</a></td>
</tr>
<tr>
<td>Workforce Software</td>
<td><a href="http://www.workforcesoftware.com">www.workforcesoftware.com</a></td>
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