# INFORMATION SYSTEMS AND TECHNOLOGY MANAGEMENT

What can I do with this degree?

## AREAS

**INFORMATION SERVICES**
- Database management
- Indexing/abstracting
- Information architecture
- Online retrieval
- Programming
- Research

**INFORMATION SYSTEMS CONSULTING**
- Database administration
- Design/development
- Digital preservation and curation
- Information architecture
- IT administrator
- IT analyst
- IT trainer
- Management/operation
- Network Administrator
- Privacy regulation
- Programming
- Software design
- System analysis
- Technical support network
- Web development/maintenance

## EMPLOYERS

- Information Services Agencies
- Research Centers
- Large corporations
- Self Employed:
  - Consulting
  - Freelance editing
- Research

## STRATEGIES

- Information services professionals provide research and services to corporations, writers or individuals needing information or references on a particular subject.
- Expertise in an industry or subject area may be helpful.
- Supplement undergraduate curriculum with courses in business to gain an understanding of marketing principles.
- Develop excellent research, writing, and organizational skills.

- Libraries:
  - Public, academic and special
  - Data processing centers
  - Corporations
  - Software and computer companies
  - Financial firms
  - Manufacturing firms
  - Research centers
  - Government
  - Universities
  - Consulting firms

- An undergraduate degree in management information systems or computer science and a masters.
- Build a strong computer background in programming skills using several languages, various operating systems, database management, software, and networks.
- Increase employment opportunities through product-related certification or by earning Certified Computing Professional (CCP).
- Gain related experience through internships, co-ops or part-time employment.
- Develop excellent analytical, decision-making, and written and oral communication skills.
- Learn to work well with both technical and nontechnical staff.
### Systems Development

<table>
<thead>
<tr>
<th>Areas</th>
<th>Employers</th>
<th>Strategies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning/Analysis Design</td>
<td>Financial Institutions, Insurance companies, Consulting firms, Manufacturers</td>
<td>Develop excellent interpersonal skills for effective communication with technical and non-technical colleagues and clients.</td>
</tr>
<tr>
<td>Building/ Coding</td>
<td>Computer companies, Telecommunications companies, Healthcare organizations, Hotels and restaurants, Entertainment companies, Environmental management companies, Educational institutions, City, state, and federal government</td>
<td>Seek knowledge of industries, business areas or government agencies of interest.</td>
</tr>
<tr>
<td>Integration/ Testing</td>
<td></td>
<td>Complete a minor to gain specialized knowledge related to a field of interest.</td>
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<tr>
<td>Operations/ Maintenance</td>
<td></td>
<td>Strengthen logical thinking and problem-solving skills.</td>
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<tr>
<td>Project Management</td>
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<td>Maintain current knowledge of computer languages and technology.</td>
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<td>Gain programming experience.</td>
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<td></td>
<td>Obtain business experience through internships or part-time employment.</td>
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### Database Administration

<table>
<thead>
<tr>
<th>Areas</th>
<th>Employers</th>
<th>Strategies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development</td>
<td>Financial institutions, Insurance companies, Consulting firms, Manufacturers</td>
<td>Develop logical thinking skills, attention to detail and the ability to concentrate for long periods of time.</td>
</tr>
<tr>
<td>Installation</td>
<td>Computer companies, Telecommunications companies, Retailers, Transportation Companies, Educational Institutions, Research Institutions, City, state, and federal government</td>
<td>Obtain technical experience through paid or volunteer positions.</td>
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<tr>
<td>Testing</td>
<td></td>
<td>Seek general knowledge of computer languages and database management software; consider specializing in one for increased marketability.</td>
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<tr>
<td>Maintenance/ Support</td>
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<tr>
<td>Archiving/ Security Upgrading</td>
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<tr>
<td>Systems integration</td>
<td></td>
<td></td>
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<tr>
<td>Management</td>
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</tbody>
</table>
STRATEGIES FOR PLACEMENT IN INFORMATION SYSTEMS AND TECHNOLOGY MANAGEMENT:

- Expertise in an industry or subject area may be helpful.
- Actively participate in student organizations to develop leadership skills.
- Build a strong computer background in programming skills using several languages, various operating systems, database management, software, and networks.
- Learn to work well with both technical and nontechnical staff.
- Develop logical thinking skills, attention to detail and the ability to concentrate for long periods of time.
- Seek general knowledge of computer languages and database management software; consider specializing in one for increased marketability.
- Complete a minor to gain specialized knowledge related to a field of interest.
- Strengthen logical thinking and problem-solving skills.
- Maintain current knowledge of computer languages and technology.
- Increase employment opportunities through product-related certification or by earning Certified Computing Professional (CCP).
- Gain related experience through internships, co-ops, or part-time employment.
- Develop excellent analytical, decision-making, and written and oral communication skills.