ISDS - Information Systems

Do you have a passion for technology and decision making? Do you often enjoy learning about computers? A career in information systems may be the right path for you.

Information systems uses data from computer systems to make important organizational decisions. Those in the field of information systems often serve as a bridge between the technological and management departments to streamline communication and maximize performance. As an information systems professional, your goal will be to define and achieve a company’s goals through data processing and improving practices. Information systems professionals strive to integrate technology to tackle problems through informative and strategic decision-making.

Source: Analytics Magazine

Learn More With O*Net

Visit O*Net OnLine to explore the sample roles in information systems. The database provides career exploration tools to the public at no cost and is continually updated by surveying a broad range of workers from each occupation. Learn about the knowledge, skills, tasks, and activities required for each occupation, as well as median wages and employment trends reported by the Bureau of Labor Statistics and other federal agencies.

01 Visit O*Net OnLine at www.onetonline.org
02 Refer to the sample job titles listed in the “O*Net Keywords” section below
03 Enter phrase into O*Net’s “Occupation Search” to explore sample roles

Average Salary & Trajectory*

<table>
<thead>
<tr>
<th>Entry-Level</th>
<th>Mid-Level</th>
<th>Executive-Level</th>
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<tbody>
<tr>
<td>$62,000 annually</td>
<td>$110,000 annually</td>
<td>$229,000 annually</td>
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</table>

01 Information Technology Generalist
02 Business Systems Analyst
03 Information Technology Auditor
04 Information Systems Operations Coordinator
05 Security Coordinator
06 IT Project Coordinator
07 IT Project Manager
08 Information Technology Supervisor II
09 IT Quality Assurance Manager
10 Information Technology Manager
11 Network Operations Manager
12 Information Systems Supervisor
13 Information Technology Director
14 Assistant Vice President for Operations Services
15 Vice President of Information Systems
16 Chief Technology Officer
17 Chief Information Technology Officer

O*Net Keywords:
- Information Systems
- Information Technology

Roles:
- IT Project Coordinator
- IT Manager
- Network Operations Manager
- IT Director

*Note: Salaries are highly dependent on location, company type, and candidate experience/education. For the purposes of this guide we are providing average starting salaries as determined by the National Association of Colleges and Employers (NACE), overall average salaries as determined by the U.S Bureau of Labor Statistics (BLS), as well as supplemental information found from various industry-specific sources.
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**Skills/Experience Suggested:**
- Experience with database management system software
- Familiarity with development environment and ERP software
- Knowledge of object or component oriented development software
- Training in web platform development software
- Ability to conduct systems evaluation and analysis
- Capacity to think critically
- Knowledge of privacy and security systems and measures

**Advanced Degrees:**
- Master of Business Administration in Information Systems
- Master of Science in Information Systems and Decision Sciences
- PhD in Information Systems

**Professional Certifications:**
- Adobe Analytics Business Practitioner
- Certified Informational Professional
- Certified Technology Manager
- Certified Information Security Manager

**Professional Associations:**
- Association for Information Science and Technology (ASIS&T)
- Association for Information Systems (AIS)
- Institute for the Management of Information Systems (IMIS)
- Society for Information Management (SIM)

**Campus Resources:**
- Business and Data Analytics Club (BDAC)
- Beta Alpha Psi (BAP)
- Business and Data Analytics Club (BDAC)
- Center for Information Technology and Business Analytics (SGMH 4170)

**Industry Research & Tools:**
- Investopedia
- Vault.com
- Journal of Information Science
- INFORMS.org
- Vault.com—accessible through your Student Portal

**Job & Internship Search Sites:**
- DataJobs.com
- Dice.com
- Indeed.com
- LinkedIn.com
- Monster.com
- Vault.com—accessible through your Student Portal

**Employers Hiring Mihaylo Graduates:**

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About this guide: This resource guide is intended to provide an introduction to the industry and relay a sampling of the resources available to candidates. It is by no means comprehensive, nor intended to replace individual research based on specific job targets and/or recommendations from an advisor.