

INFORMATION SYSTEMS

What is Information Systems? (from <http://www.albright.edu/catalog/infocon.html>)

There continues to be an increasing demand for college graduates who possess an information systems (IS) degree. Projections are for the need to be further unmet over the next several years as the gap widens for supplying skilled individuals to IS jobs. We are faced with a major shortage, not only with providing players with these needed skills, but also with providing new leadership in burgeoning areas as IS has moved into the mainstream of our economic culture. Globalization of business markets adds the need for communication and project teamwork. To become a part of a graduate's repertoire. Exhibiting the knowledge and skills that such an IS degree requires, graduates can expect to be in strong positions to compete for managerial and analytical positions in many fields, including software design, database management, network consulting and e-commerce business.

What is this career like? (from <http://www.bls.gov/ooh>)

“Computer systems analysts study an organization’s current computer systems and procedures and design information systems solutions to help the organization operate more efficiently and effectively. They bring business and information technology (IT) together by understanding the needs and limitations of both.”

Related Career Titles (from <http://uncw.edu/career/informationssystem.html>)

Analyst/Programmer	Information Systems Developer	Network Administrator/Manager
Applications Programmer	Information Systems Manager	On-Line Services Manager
Communications Specialist	Information Technology Mgr.	Operating Systems Programmer
Computer Aided Software Engineering Specialist	Internet Developer	Operations Manager
Computer Security Analyst	Internet Marketing Analyst	Operations Researcher
Computer Systems Hardware Analyst	Inventory Control Specialist	PC Support Specialist
Consultant	Materials Manager	Records Management Analyst
Data Communications Analyst	Medical Systems Designer	Relocation Analyst
Data Security Analyst	Microcomputer/Workstation Mgr.	Software Tester
Database Manager/Admin.	Software Support Technician	Systems Analyst
End-User Computing Mgr.	Systems Administrator	Systems Technical Manager
End-User Technician	Systems Programmer	Telecommunications Manager
Information Systems	Technology Consultant	

Application Developer		
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How can you get ready? (from <http://career.utk.edu/students/majors.asp>)

- Be aware that careers in computers and technology are constantly changing.
- Be prepared to retrain and learn new information on a regular basis.
- Certifications are often an important part of training for technical careers. Obtain the certifications that are the most applicable to career goals and interests.
- Gain as much diverse technical experience as possible. Seek positions in computer labs, retail computer/technology stores, or as technological support for any office or business.
- Learn about technology in additional areas such as audio/visual or telecommunications. Become familiar with the integration and application of these areas to management information systems.
- Develop physical stamina and strength. Many networking professionals are involved in hands-on, physical activity during network installation and maintenance.

Related Major Skills (<http://uncw.edu/career/informationssystem.html>)

Reading comprehension	Active listening skills
Math & science skills	Critical thinking
Different learning strategies	Giving advice on business or research
Research	Ability to prepare technical reports
Design systems	Work independently and on a team
Oral & written communication skills	Active learner
Understanding of computer programs	Investigating data to solve problems

What about the future?

“Employment of computer systems analysts is projected to grow 21 percent from 2014 to 2024, much faster than the average for all occupations.”

To learn more about a specific career, please go to <http://www.bls.gov/ooh/>

Available at Albright College Career Development’s Resource Library

- [Great Jobs for Computer Science Majors](#), by Jan Goldberg
- [Career Opportunities in Computers and Cyberspace](#), by Harry Henderson
- [Careers for Computer Buffs and Other Technological Types](#), by Marjorie Eberts and Margaret Gisler
- [Careers for Cybersurfers and Other Online Types](#), by Marjorie Eberts and Rachel Kelsey
- [Careers for Introverts and Other Solitary Types](#), by Blythe Camenson
- [Careers for Geniuses and Other Gifted Types](#), Jan Goldberg
- [Careers for Puzzle Solvers and Other Methodical Thinkers](#), by Jan Goldberg
- [Careers for Scientific Types and Others with Inquiring Minds](#), by Jan Goldberg
- [Opportunities in Adult Education Careers](#), by Blythe Camenson

- Opportunities in Computer Careers, by Julie Kling Burns
- Opportunities in High Tech Careers, by Deborah Yanuck and Gary Golter
- Opportunities in Library and Information Science Careers, by Kathleen de la Pena McCook
- Opportunities in Research and Development Careers, by Jan Goldberg
- Opportunities in Teaching Careers, by Janet Fine
- Opportunities in Technical Education Careers, by Robert Connelly
- Opportunities in Technical Writing and Communication Careers, by Jay R. Gould and Wayne A. Losano
- Opportunities in Telecommunications Careers, by Jan Bone
- Opportunities in Training and Development Careers, by Edward E. Gordon, Catherine M. Petrini, and Ann P. Campagna

Disclaimer

Links to Internet sites are provided for your convenience and do not constitute an endorsement by Albright College Experiential Learning and Career Development Center.

Job and Internship Search Links

- Just Tech Jobs <http://www.justtechjobs.com>
- Code-Jobs.com <http://www.code-jobs.com>
- Fish4Jobs <http://www.fish4.co.uk/it/>
- Dice <http://www.dice.com/>
- Icrunchdata <https://icrunchdata.com/>

Career Planning Links

- Vocational Information Center <http://www.khake.com/page17.html>

Professional Associations Links

- Association for Information Systems <http://www.aisnet.org/>
- Institute of Operations Management <http://www.iomnet.org.uk>
- Association for Computing Machinery <http://www.acm.org>
- Institute for Certification of Computing Professionals <http://www.iccp.org>
- Internet Society <http://www.internetsociety.org/>
- Association for Women in Computing <http://www.awc-hq.org>
- Computing Research Association <http://cra.org>
- Association for Technology Professionals <http://www.aitp.org>
- Information Systems Audit and Control Association <http://www.isaca.org>
- Society for Technical Communication <http://www.stc.org/>