

Computer Information Systems

Information Systems is a specific field of business and organizational management. As industries and businesses of all kinds have a growing need for the efficient acquisition, use, and storage of information, information technology specialists have become a critical component to any organization. Individuals with this dual knowledge of business and computer information systems play a vital role in the growth and success of any business. To meet this demand, Colorado Mesa University offers two Information



Systems programs: a BS in Computer Information Systems and as a [Concentration of the BBA program](#).

The [Computer Information Systems](#) (CIS) programs at Colorado Mesa University introduce students to information systems theory and provide hands-on experience with information system software and tools. Students pursuing the Information Systems program will gain an understanding of the role information systems play in organizations and the technical competence suitable to analyze business problems from an information systems perspective. Students will also have the opportunity to design and build information systems and come to understand the fundamentals of business administration.

CIS students also have the opportunity to participate in [student business clubs and organizations](#), internships, and other professional development activities that enable students to practice and develop their knowledge and skills—clubs such as the Association of Information Technology Professionals. These opportunities facilitate students in becoming stronger candidates upon entering the job market.

A person in this career field may:

- Design computer-related activities for businesses or organizations.
- Direct research for business.
- Maintain computer systems by evaluating the business needs.
- Create computer systems that address problems.
- Manage company database.
- Test and evaluate systems.
- Install hardware and software.
- Troubleshoot problems reported by employees.
- Identify user needs.
- Maintain and evaluate information security.
- Produce and maintain websites.

Major Skills & Characteristics

- Ability to work alone or part of a team
- Analyze and interpret data
- Computer literacy
- Critical thinking
- Numerical computation
- Oral and written communication skills
- Organized
- Problem solving

Organizations That Commonly Employ Information Systems Majors

- Banks and Financial Institutions
- Colleges and Universities
- Communication and Media Companies
- Corporations and Small Businesses
- Food, Entertainment & Leisure Industries
- Government Agencies and Services
- Internet companies
- Marketing firms
- Medical and Pharmaceutical Companies or Organizations
- Professional Associations
- Non-Profit Organizations
- Retail and Sales Companies
- Service Providers
- Technical/Manufacturing Industries

Related Careers

- Account executive
- Applications programmer
- Bank manager
- Communications network designer
- End-user computing manager/technician
- Database analyst
- Data communications analyst
- Data entry
- Data security analyst
- Hardware marketer
- Information center consultant
- Information systems developer/manager
- Information technology coordinator
- Internet developer
- Inventory manager
- Logistics manager
- Market information specialist
- Market research analyst
- Media planner
- Network administrator
- On-Line services manager
- Management analyst
- Mortgage researcher
- Operating systems programmer
- Production line manager
- Program developer
- Quality control specialist
- Retrieval systems manager
- Risk analyst
- Software marketer
- Supervisor
- Systems consultant
- Systems technical manager
- Telecommunications marketer
- Telecommunications systems coordinator
- Teleprocessing network designer/manager
- Payroll officer
- Voice/data service
- Web designer

Note: Some of the occupations listed above may require additional education, experience, or training beyond a Bachelor's Degree. To research these occupations use the Career Research Resources links below.

Career Research Resources:

Use these sites to research information about specific occupations such as nature of the work, training or qualifications, employment or job outlook, projections, earnings and wages.

Occupational Outlook Handbook: <http://www.bls.gov/ooh/>

The Bureau of Labor Statistics

- View OOH information on **Computer and Information System Managers** at <http://www.bls.gov/ooh/management/computer-and-information-systems-managers.htm> and **Computer and Information Technology Professions** at <http://www.bls.gov/ooh/computer-and-information-technology/home.htm>
- Use the A-Z index to select the occupation you are researching.

O*NET-Online: <http://www.onetonline.org>

The U.S. Department of Labor

- In the occupational search box type in key words, job titles, or occupational codes to research various careers.

My Future.com: <http://www.myfuture.com>

The Department of Defense

- This site compiles information from departments of [Commerce](#), [Education](#) and [Labor](#).

Organizations and Associations Links

- Association of Business Information Systems (ABIS): www.abis-fbd.org
- Association for Information Systems: <http://home.aisnet.org>
- Association of Information Technology Professionals (AITP): www.aitp.org
- Information Systems Security Association (ISSA): <https://issa.org>
- International Association for Computer Information Systems: www.iacis.org
- International Webmasters Association: <http://www.iwanet.org>
- Software & Information Industry Associations: <http://www.sii.net>

Job Listings/Job Search Sites:

- Career Rookie: www.careerrookie.com
- CIS Jobs: www.cisjobs.com
- Computer Jobs: www.computerjobs.com
- Computer Work: www.computerwork.com
- Indeed.com: <http://www.indeed.com/jobs?q=computer+information+systems&l=>
- Just Tech Jobs: <http://js.justtechjobs.com>
- Nation Job (select Information Technology): www.nationjob.com
- Tech_Centric: www.tech-centric.net