Computer Information Systems Career Outlook 2010-2011

Computer Information Systems Programs Available at Bemidji State University:
Major: Computer Information Systems (B.S.)
Department Website: http://www.bemidjistate.edu/academics/departments/business_administration/programs/cis/

Major Highlights:
Because of their flexibility, computers are integral to most research and are indispensable in most professional careers. In education they are used for instruction, for learning, and for efficiency. In industry they are revolutionizing businesses, and in science they allow us to simulate a Jupiter fly-by, to design the next generation Airbus, and to investigate the effects of pollutants on the environment. Majors in Computer Information Systems, a program offered jointly with Business Administration, study problem solving and software development for automating business processes.

Employment Areas:
The "Occupational Outlook Handbook" reports that network and computer systems administrators held 347,200 in 2010, database administrators held 110,800 jobs in 2010, and network and data communications analysts held 544,400 jobs in 2010. Of the network and computer systems administrators about 50 percent worked in computer systems design; state, local, and private education; finance and insurance; manufacturing; and telecommunications. Of the database administrators about 54 percent worked in computer systems design; finance and insurance; information services; state, local, and private education; and government. About 60 percent of the computer systems analysts held positions in computer system design; finance and insurance; information; management; and government.

Projected Demand for Computer Information Systems Majors in Minnesota:
MnCareers reports that the outlook for data communication analysts is excellent. There is currently 5,380 data communication analysts employed in Minnesota, with a median income of $40.50 per hour. This is one of the fastest-growing occupations in the state. The job outlook for computer systems analysts is very good. There are 12,160 computer systems analysts employed in Minnesota and their median income is $36.30 per hour. Demand comes from rapid growth in computer and data services processing.

Projected Demand for Computer Information Systems Majors Nationwide:
The DISCOVER guidance system reports that the nationwide demand for computer systems analysts is growing moderately, with a 1.3% expected growth rate per year. The average starting salary for new graduates at the baccalaureate level is $55,000 based off of 2011 salaries.

Placement Information for Computer Information Systems Graduates:
There are many opportunities for Bemidji State University computer information systems graduates. Of the Bemidji State University computer information systems graduates from 2009-2010 there was one graduate and no reported status on employment.

A Partial List of Employers Who Have Reported Hiring BSU Computer Information Systems Graduates Since 1997: (This list only includes employment within one year of graduation.)

<table>
<thead>
<tr>
<th>Employer</th>
<th>Position</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accenture</td>
<td>Analyst</td>
<td>Minneapolis, MN</td>
</tr>
<tr>
<td>AMS</td>
<td>Software Developer</td>
<td>Frankfort, KY</td>
</tr>
<tr>
<td>Arthur Andersen</td>
<td>Technology Risk Consultant</td>
<td>Minneapolis, MN</td>
</tr>
<tr>
<td>Bankers Systems</td>
<td>Software Engineer</td>
<td>St. Cloud, MN</td>
</tr>
<tr>
<td>Bankers Systems, Inc.</td>
<td>Business Analyst</td>
<td>St. Cloud, MN</td>
</tr>
<tr>
<td>BankFirst</td>
<td>Production Analyst</td>
<td>Sioux Falls, SD</td>
</tr>
</tbody>
</table>
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- Bernalillo County
- Black & Veatch Solutions Group, Inc.
- Circuit City
- Colorado College
- Compass Technology Management
- Corelink Administrative Solutions
- Cross Consulting
- Cross Consulting USA
- Cross USA
- Crystal Tech Web Hosting, Inc.
- Custom Connections Corporation
- Cyclone Communications
- Decision Systems, Inc.
- Deloitte & Touche
- Digi-Key Corporation
- Digi-Key, Inc.
- Dorsey & Whitney, LLP
- eBusiness Application Solutions
- E-Business Applications
- Edward D. Jones
- Federated Insurance
- Federated Insurance
- Federated Insurance
- Fitness Club
- Flex Solutions, Inc.
- Gander Mountain
- International Decision Systems
- Jacobs Management Corporation
- Knowledge Planet.Com
- Level 3 Communications
- LSS Data Systems
- Lutheran Brotherhood
- Lutheran Social Service
- Magenic Technologies, Inc.
- Mayo Foundation
- Merrill Corporation
- MN Department of Transportation
- MunsenWare
- Noridian-Blue Cross/Blue Shield
- Office Max
- Open-C Solutions
- Optima Technology Partners
- Paul Bunyan Telephone
- Photo Control Corporation
- Primera Technology
- Primerica
- Princeton Financial Insights
- Red Lake Gaming Enterprise
- Retek Information Systems
- Robert Half Associates
- Rural Computer Consultants
- SEI Information Technology
- South Country Health Alliance
- TEAM Industries
- The Right Stuf International
- Thomson West
- Unisys
- United Health Care

- Programmer/Analyst
- Software Analyst II
- Computer Department Sales
- Records Specialist
- Data Base Administrator
- Programmer/Analyst
- Programmer
- Computer Programmer
- Level 1 Programmer
- IT Administrator
- MRP Implementer/Assembly
- Cable Technician/DB Administrator
- Programmer/Analyst
- Consultant
- Microcomputer Specialist
- Software Engineer
- Technical Support Specialist
- Business Analyst
- Quality Assurance
- Branch Office Administrator
- Business Programmer/Analyst
- Associate Programmer
- Programmer
- Desk/Maintenance
- Project Manager
- Operations Specialist
- Developer
- Web Developer
- Software Engineer
- Usage Analyst
- Computer Programmer
- Information Systems
- Director Support Staff
- Associate Software Professional
- Computer Analyst/Programmer
- Client Services
- MIS Office - Webmaster/GIS Coordinator
- Technical Support Representative
- Programmer/Analyst
- Associate
- Programmer
- Business Development/Marketing Research
- Tier 1 Data Service Representative
- Programmer
- Technical Support Representative
- Representative
- CIO
- IT Support
- E-Business Consultant
- Consultant
- Programmer
- MBS Technical Support Engineer
- Enrollment Coordinator
- Database Design & User Support
- Public Relations
- Sr. Software Engineer
- Windows System Analyst
- Computer Billing Analyst
- Albuquerque, NM
- Overland Park, KS
- Minneapolis, MN
- Colorado Springs, CO
- Virginia Beach, VA
- Fargo, ND
- Sebeka, MN
- Sebeka, MN
- Sebeka, MN
- Phoenix, AZ
- Burnsville, MN
- St. Louis Park, MN
- Minneapolis, MN
- Thief River Falls, MN
- Thief River Falls, MN
- Minneapolis, MN
- Manhattan, NY
- Fremont, CA
- Ely, MN
- Owatonna, MN
- Owatonna, MN
- Owatonna, MN
- Maplewood, MN
- Minneapolis, MN
- Bemidji, MN
- Minneapolis, MN
- Minneapolis, MN
- Edina, MN
- Broomfield, CO
- Eden Prairie, MN
- Minneapolis, MN
- Bemidji, MN
- Golden Valley, MN
- Rochester, MN
- St. Cloud, MN
- Bemidji, MN
- Elk River, MN
- Fargo, ND
- Bemidji, MN
- Edina, MN
- Mountain View, CA
- Bemidji, MN
- Minneapolis, MN
- Plymouth, MN
- St. Paul, MN
- Minneapolis, MN
- Red Lake, MN
- Minneapolis, MN
- Minneapolis, MN
- Bird Island, MN
- Fargo, ND
- Owatonna, MN
- Bagley, MN
- Urbandale, IA
- Eagan, MN
- Eagan, MN
- Duluth, MN
A Partial List of Employers Who Have Reported Hiring BSU Computer Information Systems Graduates Since 1997: (This list only includes employment within one year of graduation.)

- United Healthcare
- Electronic Eligibility Analyst
- Duluth, MN
- Unspecified Employer
- Information Systems Technician
- Bemidji, MN
- Upward Bound - Bemidji State University
- Database Management
- Bemidji, MN
- US Bank
- Computer Network Technician
- Sauk Centre, MN
- US Bank
- Database/Liquidation Specialist
- Minneapolis, MN
- Vision Ease
- Computer Analyst
- St. Cloud, MN
- Wells Fargo Bank-Option One
- Loan Processor
- Minneapolis, MN
- Wikstrom Telephone Company
- Systems Administrator
- Karlstad, MN
- World Data Products
- Compaq Sales Representative
- Minnetonka, MN

Colleges and Universities Where BSU Computer Information Systems Graduates Have Gone to Continue Their Education:

- Purdue University, West Lafayette, IN
- Temple University, Philadelphia, PA
- Syracuse University, Syracuse, NY

Note 1: Some of the above job/career titles require advanced degrees or specialized training.

Note 2: Degrees alone do not get students jobs. Internships, summer jobs, volunteer work, part-time jobs, work-study positions, and active participation in student organizations on campus are all ways to become more competitive in a tight job market.

Note 3: Personal Competencies: it is also recommended that individuals be competent in a variety of communication methods, and computer skills are a must.

Bibliography:
- Annual Graduate Follow-Up Study 1997-2010. Bemidji State University, Bemidji, MN (2011)
- Bemidji State University Undergraduate Catalog 2011-2012. Bemidji State University, Bemidji, MN (2011)
- DISCOVER. The American Testing Program, Educational Technology Center, Hunt Valley, MD (2011)

For more information, please contact the Career Services Office in 102 Sanford Hall or call us at 218-755-2038 or toll free at 800-657-3726.