Computer Information Systems Career Outlook 2009-2010

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 and computer science, study software development for applications in data processing.

Employment Areas:
The "Occupational Outlook Handbook" reports that computer network, systems, and database administrators held about 961,200 jobs in 2008. Of these, 339,500 were network and computer systems administrators, 120,400 were database administrators, and 292,000 were network and data communications analysts. In addition, about 209,300 were classified as “computer specialists, all other,” a residual category. These workers were employed in a wide range of industries. About 14 percent of all computer network, systems, and database administrators were in computer systems design and related services. Substantial numbers of these workers were also employed in telecommunications companies, financial firms and insurance providers, business management organizations, schools, and government agencies. About 7 percent were self-employed.

Projected Demand for Computer Information Systems Majors in Minnesota:
MnCareers reports that the outlook for data communication analysts is excellent. There are currently 5,570 data communication analysts employed in Minnesota, with a median income of $38.90 per hour. The job outlook for computer systems analysts is very good. There are 10,940 computer systems analysts employed in Minnesota and their median income is $34.80 per hour.

Projected Demand for Computer Information Systems Majors Nationwide:
The DISCOVER guidance system reports that the nationwide demand for computer systems analysts is growing rapidly, with a 2.9% expected growth rate per year. The average starting salary for new graduates at the baccalaureate level was $57,000 in 2009.

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 2008-2009 graduates, 75% reported obtaining related employment within one year of graduation. This does not include students who were not seeking employment, furthering their education, unavailable, or had unknown status.

A Partial List of Employers Who Have Hired BSU Computer Information Systems Graduates:

<table>
<thead>
<tr>
<th>Company</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>
<tr>
<td>Bernalillo County</td>
<td>Programmer/Analyst</td>
<td>Albuquerque, NM</td>
</tr>
</tbody>
</table>
A Partial List of Employers Who Have Hired BSU Computer Information Systems Graduates (continued):

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  

Black & Veatch Solutions Group, Inc. Software Analyst II  
Circuit City Computer Department Sales Records Specialist  
Colorado College Data Base Administrator  
Compass Technology Management Programmer/Analyst  
Corelink Administrative Solutions Programmer  
Cross Consulting Computer Programmer  
Cross Consulting USA Level 1 Programmer  
Cross USA IT Administrator  
Crystal Tech Web Hosting, Inc. MRP Implementer/Assembly  
Custom Connections Corporation Cable Technician/DB Administrator  
Cyclone Communications Programmer/Analyst  
Decision Systems, Inc. Consultant  
Deloitte & Touche Microcomputer Specialist  
Digi-Key Corporation Software Engineer  
Digi-Key, Inc. Technical Support Specialist  
eBusiness Application Solutions Business Analyst  
E-Business Applications Quality Assurance  
Edward D. Jones Branch Office Administrator  
Federated Insurance Business Programmer/Analyst  
Federated Insurance Associate Programmer  
Federated Insurance Programmer  
Fitness Club Desk/Maintenance  
Flex Solutions, Inc. Project Manager  
Gander Mountain Operations Specialist  
International Decision Systems Web Developer  
Jacobs Management Corporation Software Engineer  
Knowledge Planet.Com Usage Analyst  
Level 3 Communications Computer Programmer  
LSS Data Systems Information Systems  
Lutheran Brotherhood Director Support Staff  
Lutheran Social Service Associate Software Professional  
Magenic Technologies, Inc. Computer Analyst/Programmer  
Mayo Foundation Client Services  
Merrill Corporation MIS Office - Webmaster/GIS Coordinator   MunsenWare Technical Support Representative  
MN Department of Transportation Programmer/Analyst  
MunsenWare Programmer  
Noridian-Blue Cross/Blue Shield Associate  
Office Max Programmer  
Open-C Solutions Business Development/Marketing Research  
Optima Technology Partners Tier 1 Data Service Representative  
Paul Bunyan Telephone Programmer  
Photo Control Corporation Technical Support Representative  
Primera Technology Representative  
Primerica CIO  
Princeton Financial Insights IT Support  
Red Lake Gaming Enterprise E-Business Consultant  
Retek Information Systems Consultant  
Robert Half Associates Programmer  
Rural Computer Consultants MBS Technical Support Engineer  
SEI Information Technology Enrollment Coordinator  
South Country Health Alliance Database Design & User Support  
TEAM Industries Public Relations  
The Right Stuf International Sr. Software Engineer  
Thomson West Windows System Analyst  
Unisys Computer Billing Analyst  
United Health Care 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  
Minneapolis, MN  
Thief River Falls, MN  
Thief River Falls, MN  
Minneapolis, MN  
Manhattan, NY  
Freemont, 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 Hired BSU Computer Information Systems Graduates (continued):

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

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

<table>
<thead>
<tr>
<th>University</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purdue University, West Lafayette, IN</td>
<td>Temple University, Philadelphia, PA</td>
</tr>
<tr>
<td>Syracuse University, Syracuse, NY</td>
<td></td>
</tr>
</tbody>
</table>

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:

- Bemidji State University Undergraduate Catalog 2006-2008. Bemidji State University, Bemidji, MN (2009)
- DISCOVER. The American Testing Program, Educational Technology Center, Hunt Valley, MD (2009)

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.