Computer Information Systems
Career Outlook 2014–2015

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

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 366,400 in 2012, database administrators held 118,700 jobs in 2012, and computer systems analysts held 520,600 jobs in 2012. Of the network and computer systems administrators about 56 percent worked in computer systems design; state, local, and private education; finance and insurance; manufacturing; and telecommunications. Of the database administrators about 58 percent worked in computer systems design; finance and insurance; information services; state, local, and private education; and government. About 53 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 very good. There is currently 9,560 data communication analysts employed in Minnesota, with a beginning income of $23.40 per hour and a median income of $34.40 an hour. This is one of the fastest-growing occupations in the state. The job outlook for computer systems analysts is very good. There are 12,820 computer systems analysts employed in Minnesota and their median income is $37.20 per hour. Demand comes from rapid growth in computer and data services processing.

PROJECTED DEMAND FOR COMPUTER INFORMATION SYSTEMS MAJORS NATIONWIDE:
Focus™2 reports that the nationwide demand for computer systems analysts is expected to grow much faster than average through 2022 due to the demand for computer networking, internet, and intranet functions, with people established in their career generally earning between $60,070 and $97,200 per year.

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 2012-2013, 100% 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.
LIST OF EMPLOYERS WHO HAVE REPORTED HIRING BSU COMPUTER INFORMATION SYSTEMS GRADUATES: (This list only includes employment within one year of graduation.)

AMS
Arthur Andersen
Bankers Systems
BankFirst
Bernalillo County
Black & Veatch Solutions Group, Inc.
Circuit City
Colorado College
Compass Technology Management
Corelink Administrative Solutions
Cross Consulting
Crystal Tech Web Hosting, Inc.
Custom Connections Corporation
Cyclone Communications
Decision Systems, Inc.
Deloitte & Touche
Digi-Key Corporation
Digi-Key Corporation
Dorsey & Whitney, LLP
eBusiness Application Solutions
E-Business Applications
Edward D. Jones
EMC2
Federated Insurance
Federated Insurance Company
Flex Solutions, Inc.
Gander Mountain
International Decision Systems
Jackson Hewitt Tax Service
Jacobs Management Corporation
Knowledge Planet.Com
Level 3 Communications
LSS Data Systems
Lutheran Social Service
Magenic Technologies, Inc.
Mayo Foundation
Merrill Corporation
MN Department of Transportation
MunsenWare
Noridian-Blue Cross/Blue Shield
Open-C Solutions
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
SISU Medical Solutions
South Country Health Alliance
TEAM Industries
Software Developer
Technology Risk Consultant
Software Engineer
Production Analyst
Programmer/Analyst
Software Analyst II
Computer Department Sales
Records Specialist
Data Base Administrator
Programmer/Analyst
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
Storage/SANS Admin
Business Programmer/Analyst
Associate Systems Developer
Project Manager
Operations Specialist
Developer
System Administrator
Web Developer
Software Engineer
Usage Analyst
Computer Programmer
Director Support Staff
Associate Software Professional
Computer Analyst/Programmer
Client Services
MIS Office - Webmaster/GIS Coordinator
Technical Support Representative
Programmer/Analyst
Programmer
Tier 1 Data Service Representative
Programmer
Technical Support Representative
Representative
CIO
IT Support
E-Business Consultant
Consultant
Programmer
MBS Technical Support Engineer
Systems Support Analyst
Enrollment Coordinator
Database Design & User Support
Frankfort, KY
Minneapolis, MN
St. Cloud, MN
Sioux Falls, SD
Albuquerque, NM
Overland Park, KS
Minneapolis, MN
Colorado Springs, CO
Virginia Beach, VA
Fargo, ND
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
Lynchburg, VA
Owatonna, MN
Owatonna, MN
Minneapolis, MN
Minneapolis, MN
Bemidji, MN
Minneapolis, MN
Bemidji, MN
Minneapolis, MN
Edina, MN
Bemidji, MN
Elk River, MN
Fargo, ND
Edina, MN
Bemidji, MN
Minneapolis, MN
Plymouth, MN
St. Paul, MN
Minneapolis, MN
Red Lake, MN
Minneapolis, MN
Minneapolis, MN
Bird Island, MN
Fargo, ND
Duluth, MN
Owatonna, MN
Bagley, 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 1997-2013, Bemidji State University, Bemidji, MN (2015)
- Bemidji State University Undergraduate Catalog 2011-2015, Bemidji State University, Bemidji, MN (2015)
- FOCUS II, Career Dimensions Incorporated, Manchester, NH (2015)

For more information, please contact the Career Services Office in 207 Sattgast Hall or call us at 218-755-2038 or toll free at 800-657-3726.

For more job listings please visit:

[http://www.bemidjistate.edu/students/services/career/job_search/jobs/](http://www.bemidjistate.edu/students/services/career/job_search/jobs/)