MANAGEMENT INFORMATION SYSTEMS

Are you interested in working with people as well as computers? Are you interested in how computers can be used to solve organizational problems? Are you interested in how computers are incorporated in an organization's strategy for success? If so, the study of Management Information Systems (MIS) will be of interest to you.

THE MANAGEMENT INFORMATION SYSTEMS PROFESSION

What do MIS Professionals do?

- Talk to people
- Solve problems
- Search for clues
- Take different perspectives
- Apply technology
- Help people use technology
- Affect people's lives
- Change the world around them
- Define the future

How do they do it?

- By talking to users, managers, programmers, CEOs…All kinds of people are involved in defining needs for applications.
- By solving business problems and applying technology to many varied situations
- By using detective skills to analyze a situation, search for clues to problems, and get ideas for solutions
- By "walking in others' shoes" to understand differing perspectives on how applications should work
- By creating the systems that people interact with every day
- By always looking for ways to do things more effectively or in a more user-friendly way
- By designing useful and appealing systems for people to interact with
- By defining a high-tech future that includes systems and applications and puts people at the center, as with e-commerce
- By taking what computer scientists create and using the underlying technology to develop useful application

Example Job Titles

- Systems Analyst
- Information Specialist
- Project Manager
- Webmaster
- Knowledge Manager
- Chief Information Officer
- Database Administrator
- Software Architect
- Applications Developer
- Network Administrator
- Consultant
- Systems Integrator
- Internet/Web Developer
- IT Security Manager
- Quality Assurance Specialist
- Telecommunications Specialist
- Data Warehouse Director
- E-Commerce Analyst/Programmer

Resources

- Association of Information Technology Professionals (AITP) | aitp.org
- Information Technology Association of America (ITAA) | itaa.org
- Society for Information Management (SIM) | simnet.org
- Project Management Institute (PMI) | pmi.org
- Association for Information Systems (AIS) | aisnet.org

The College of IS&T offers both a Bachelor of Science and a minor in MIS. Please visit Management Information Systems at www.ist.unomaha.edu/bs-mis for more information

BACHELOR OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

What courses do I need?

The College of Information Science & Technology requires completion of a minimum of 120 credit hours which include the following courses:

General Education Requirements

English	9 credit hours
Public Speaking	3 credit hours
College Algebra or test out	3 credit hours
Natural Science	7 credit hours
Humanities	9 credit hours
Social Sciences	9 credit hours
US and Global Diversity[1]	6 credit hours

Math Requirements - 6 hours

MATH 1930	Calculus for Managerial, Life and Social Sciences
CSCI 2030	Math Foundations of Computer Science

Business Co-Req Requirements - 15 hours

ACCT 2010	Principles of Accounting I
ACCT 2020	Principles of Accounting II
ECON 2200	Principles of Economics - Micro**
ECON 2220	Principles of Economics - Macro**

One of the following courses:
ACCT 3080/ ECON 3200/ECON 3220/FNBK 3250/
MRKT 3310/MGMT 3510/MGMT 3710/MGMT 4090

IS&T Requirements - 21 hours

CYBR 1100	Intro to Information Security*
CIST 1300	Intro to Web Development
CIST 1400	Intro to Computer Science I
CSCI 1620	Intro to Computer Science II
CIST 2100	Organizations, Applications & Technology**
CIST 2500	Intro to Applied Statistics for IS&T
CIST 3110	IT Ethics***

MIS Core - 21 hours

ISQA 3900	Web Application Development
ISQA 3310	Managing the Database Environment
ISQA 3400	IT Infrastructure
ISQA 3420	Managing in a Digital World*
ISQA 3910	Intro to Project Management
ISQA 4110	Information Systems Analysis
ISQA 4120	Systems Design & Implementation

MIS Specialization Electives - 12 hours

See courses listed in the online catalog for specific upper-division ISQA and upper-division IASC courses that can fulfill this requirement.

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*	Either CYBR 1100 or ISQA 3420 can also apply as a global diversity class.
**	ECON 2200, ECON 2220, and CIST 2100 also apply toward Social Science requirements.
***	CIST 3110 also applies toward a Humanities requirement.
1	US and global diversity courses can also satisfy Humanities and Social Science requirements.

Nebraska UNIVERSITY OF Omaha