

# Computer Information Systems

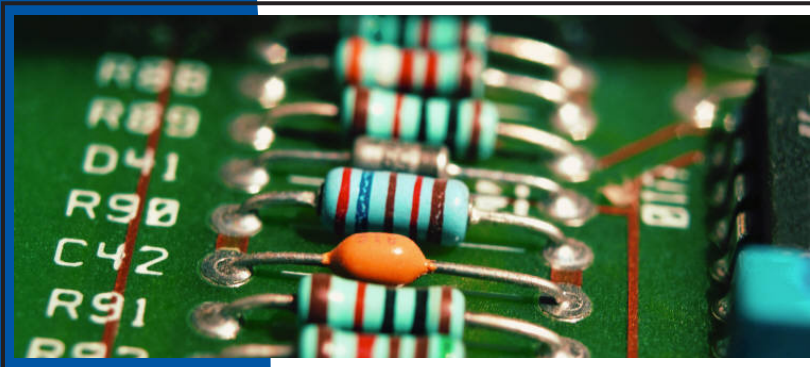
*B.S. - Bachelor of Science*



The world today is driven by technology. Mayville State University's Computer Information Systems program will prepare you to succeed in a rewarding and productive career.

## The Program

Technology skills are crucial in today's environment, and Mayville State will prepare you to hit the ground running when you start your career.



Our faculty takes full advantage of Mayville State's Tablet PC initiative, providing a technology-enriched classroom which provides students with the knowledge, skills, techniques and hands-on experience essential for obtaining positions in information processing, applications programming and systems analysis and design.

## Advantages

**Technology-enriched** - As a student at Mayville State, the nation's first Tablet PC university, you'll be prepared for a rewarding and productive career in a computer information systems environment.

**Information Technology Certificate** - All Mayville State Computer Information Systems graduates earn an IT Certificate that attests to their technological knowledge and gives them a unique advantage in the job market.

**Flexible** - The Computer Information Systems program will give you a strong foundation while providing the flexibility to tailor programs to your specific areas of interest.

At Mayville State, we give you more of just about everything.

### *A Little More Personal*

We pride ourselves on being just the right size to give students the time they deserve.

### *A Little More Opportunity*

You'll get the opportunity to develop your leadership skills to help you succeed in your career after graduating.

### *A Little More Success*

Our students get jobs. Period. We also have internship opportunities to give you real, hands-on learning experiences and make your resume stand out.



## *Become a Comet VIP!*

Get a little more informed.

[www.mayvillestate.edu/become\\_a\\_student](http://www.mayvillestate.edu/become_a_student)



# A Little More for your college experience

## Computer Information Systems

Majors in this program complete 36 credits of core requirements. The completion of two specialization areas or a minor is required. Students choosing the option of completing two specializations must select at least one of the following: Computer Programming Specialization, Data Communications and Networking Specialization or Web Programming.

Computer Information Systems majors complete 36 hours of general education, including MATH 103, which is a prerequisite to this major, and approved electives to equal no less than 120 semester hours.

If you have any questions regarding the Computer Information Systems program, please contact us at 800.437.4104 or [www.mayvillestate.edu](http://www.mayvillestate.edu). Search for Mayville State University on Facebook!

## A Word About Our Grads

Graduates with Mayville State's CIS major will be prepared for a number of careers including software engineer, multimedia developer, database administrator, computer analyst, computer programmer, webmaster and technology support personnel. Industry, education and the government all employ persons with computer information systems degrees.

Graduates of Mayville State's Computer Information Systems program have gone on to successful careers at a number of top-notch companies and organizations including Eide Bailey, Microsoft, ComMark, Noridian Mutual, Carlson Companies, the ag and bio systems department at North Dakota State University, Gremada Industries and NISC.

## Computer Information Systems

### Core Requirements

CIS 109 Prog. Logic and Design.....	3
CIS 204 Programming I.....	3
CIS 205 Programming II.....	3
CIS 270 Computer Org. and Op. Sys.....	3
CIS 300 Intro. to Relational Database.....	3
CIS 310 Data Communications.....	3
CIS 330 Sys. Analysis and Design.....	3
CIS 375 C++.....	3
CIS 495 CIS Capstone.....	2
CIS 497S Internship.....	3
BADM 302 Principles of Management.....	3
BUSN 491S Prof. Development Seminar.....	1
CIS 365 Website Design and Development.....	1

### Specialization Areas

Choose two specializations or a minor.

#### Computer Programming Specialization

CIS 376 Advanced C++ or CIS 377.....	3
CIS 380 Object-Oriented Prog.....	3
CIS 430 Database Application Prog.....	3
CIS Approved Elective .....	3

#### Web Programming Specialization

CIS 421 Web App Programming I.....	3
CIS 422 Web App Programming II.....	3
CIS 360 Advanced Database Mgmt Systems.....	3
BUSN 326 Electronic Business App.....	3

## Computer Information Systems Cont'd

### Data Comm. and Networking Specialization

CIS 220 Hardware Troubleshooting.....	3
CIS 411 Networking Administration.....	3
CIS 412 Adv. Networking Topics.....	3
CIS Approved Elective.....	3

### Business Specialization

ACCT 200	Elements of Acct. I.....	4
ACCT 201	Elements of Acc.t. II.....	4
BUSN 334	Business Communication.....	3
BUSN 340	Project Management.....	3
BUSN 351	Human Resource Mgmt.....	3

### Math Analysis Specialization

MATH 165	Calculus I.....	4
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### Elective Courses (Select 9 cr from the following)

BUSN 415	Management Science.....	3
BUSN 418	Operations Management.....	3
MATH 323	Probability and Statistics .....	3
-OR-		
BUSN 336	Applied Statistics.....	3
MATH 412	Differential Equations.....	3



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