Advantages

Technology-enriched. You will complete the B.A.S. program with a modern focus while taking advantage of a technology-enriched curriculum and campus.

Transfer Friendly. This program is designed to serve the needs of students who have earned A.A., A.S., or A.A.S. degrees. All coursework completed at a regionally accredited institution will transfer into the program.

Flexible. The B.A.S. program will give you a strong foundation in computer information systems while providing flexibility to tailor the program to your specific areas of interest.

The Program

Mayville State’s Computer Information Systems program uses innovative methods to equip you to succeed in limitless employment opportunities found in the IT industry.

We want to prepare you for more than just “a job.” We strive to prepare students for a lifelong career in technology!

Our program:
• Empowers you to develop database driven applications for web, standalone, and other environments.
• Enables you to build and maintain server and network solutions to meet company needs.
• Prepares awareness of emerging security designs and to implement safeguards for protection.
• Positions you to hit the ground running by creating engaging projects and broadening your knowledge base and experiences.
• Enhances learning through the use of robust simulation software to provide practical experiential learning.
• Assists in teaching the foundations of understanding the technology spectrum while focusing on Computer Programming, Network Administration, and Systems Administration.

Personal Service

We pride ourselves on being just the right size to give students the time they need to be successful. Class sizes are usually between 10 and 15 students, so you will have a small, personalized setting with a technological focus for you to receive the education that you deserve. Your professors will introduce you to new ways of thinking, explore issues creatively, and evaluate ideas as you engage in the world.

Flexible

The Bachelor of Applied Science in Computer Information Systems (CIS) is available online, with a combination of synchronous and asynchronous classes each fall and spring semester. Students must be able to login to the synchronous course for a minimum of three scheduled hours per week. CIS courses will be offered over a three year rotation, which makes this program very manageable for adult and part-time learners. Students may enroll in the summer term to take essential studies or other required courses to complete the bachelor’s degree. Financial aid may be available for qualified students enrolled in 6 or more credits.

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.

Value

The combination of MSU’s affordability and its unique offerings make it a Best in the Midwest College, as designated by the Princeton Review. This selection process is based on meeting criteria for academic excellence as well as results of surveys done by current MSU students.
A Word About Our Grads

B.A.S. - Computer Information Systems graduates find a number of opportunities for advancements within the companies for which they are already working.

Associate degree graduates sometimes find themselves unable to advance in the workplace without a four-year degree. The B.A.S. in computer information systems allows students with an A.A.S., A.S., or A.A. degree to easily transfer their credits into a four-year degree program that prepares them for new and exciting career opportunities.

Major: Computer Information Systems

Required credits to graduate with this degree: 120

This major is designed to provide a flexible, transfer-friendly approach to specifically serve the needs of students who have earned Associate of Applied Science, Associate of Science, or Associate of Arts degrees. A previously earned Associate degree (A.A.S., A.S., A.A.) will transfer as a block and students will complete a capstone-type program in Computer Information Systems.

Program requirements include 36 hours of essential studies, 20 hours of major core requirements, and 21 hours of supporting course work. A total of no less than 120 semester hours is required for graduation.

Pre-requisite to program entrance: successful completion of A.A.S., A.S., or A.A. program from an accredited institution in any academic subject area.

Minor: Computer Information Systems

This minor provides students with the knowledge, skills, and techniques desirable for employment in positions in which the computer is utilized as a tool. The core classes provide a general introduction to areas relevant to information technology. Careers that could benefit from this would be Business, Project, and IT Management. This minor consists of 18 semester hours of credit.

CIS - B.A.S.

Essential Studies Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 110</td>
<td>Fundamentals of Public Speaking</td>
<td>3 SH</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>College Composition I</td>
<td>3 SH</td>
</tr>
<tr>
<td>ENGL 120</td>
<td>College Composition II</td>
<td>3 SH</td>
</tr>
<tr>
<td>OR ENGL 125</td>
<td>Business and Technical Writing</td>
<td>3 SH</td>
</tr>
<tr>
<td>MATH 103</td>
<td>College Algebra</td>
<td>3 SH</td>
</tr>
<tr>
<td>Additional Essential Studies credits</td>
<td></td>
<td>24 SH</td>
</tr>
</tbody>
</table>

Total 36 SH

*Note: Courses completed as ‘essential studies courses’ in the A.A.S.; A.S.; OR A.A. program will apply to the 36-hour subtotal.

Core Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 204</td>
<td>Programming I</td>
<td>3 SH</td>
</tr>
<tr>
<td>CIS 270</td>
<td>Operating System Principles</td>
<td>3 SH</td>
</tr>
<tr>
<td>CIS 300</td>
<td>Introduction to Relational Database</td>
<td>3 SH</td>
</tr>
<tr>
<td>CIS 310</td>
<td>Data Communications</td>
<td>3 SH</td>
</tr>
<tr>
<td>CS2 312</td>
<td>Network Administration I</td>
<td>3 SH</td>
</tr>
<tr>
<td>CIS 313</td>
<td>System Administration I</td>
<td>3 SH</td>
</tr>
<tr>
<td>CIS 455</td>
<td>CIS Capstone</td>
<td>2 SH</td>
</tr>
</tbody>
</table>

Total 20 SH

Supporting Course Work and Electives:

Supporting Course Work of 21 SH: Any upper division (300-400 level) CIS Courses or other relevant courses that have approval of the advisor.

Electives: Students should consult advisor for selection of additional elective courses to ensure that a total no less than 120 credits is successfully completed.

If you have any questions regarding this BAS-CIS program, or would like to see the most updated planned course rotation, please visit: www.MayvilleState.edu/msu-online/msu-online/programs/bas-computer-information-systems or contact:

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