

# Computer Information Systems • Associate in Applied Science

## Why Choose Computer Information Systems?

The Associate in Applied Science degree, offered through the College of Business at Ferris, prepares students to support computing systems by providing programming, systems analysis, network administration, and some database management skills.

Entry-level positions include such jobs as: programmer/analyst, network administrator, systems analyst, computer support specialist, and other related positions in the field.

This program has close relationships with industry through a program advisory board and offers internships as a practical hands-on experience. The hands-on approach gives graduates a real-world look at their professional field.

## Get a Great Job

According to the Bureau of Labor Statistics (BLS), some of the fastest growth jobs for 2006-2016 are in computer and computing-related positions. The BLS also predicts that professional and service occupations will increase the fastest, and will account for over 50% of the total job growth during the decade.

Furthermore, many sources predict a shortage of much needed IS professionals despite rumors and actual off-shore outsourcing of programming positions over the next several years. New Information Systems positions are needed to reflect this changing landscape and to be current with technologies.

Computers and Information Systems have become essential to all aspects of business and life. Professionals are needed to relate the problem-solving abilities of a computer system to an individual business department, corporation, or a multi-national enterprise.

## Curriculum

The CIS program provides maximum flexibility for students, and easily changes with the market place. The curriculum core is aligned to a national standard (IS 2002) produced by the ACM, AITP, and AIS professional societies. This core was created from skills and attributes listed in thousands of job advertisements for IS positions.

The Associate in Applied Science degree is aligned to easily flow into the four-year BS degree in CIS if so desired.

## Admission Requirements

Applicants are expected to meet 3 of the 4 criteria listed below in order to be placed directly into a College of Business bachelor/associate degree program. Any mitigating circumstances will be considered on an individual basis by the College of Business Dean's Office.

- High school GPA of 2.5 (on a 4.0 scale).
- English ACT of 16 or higher or SAT of 370 or higher
- Math ACT of 19 or higher or SAT of 460 or higher
- Reading ACT of 19 or higher

Applicants not meeting the above criteria for direct admissions into a specific COB program, but still meeting Ferris State University admissions criteria, will be placed into the College of Business in the Pre-Business program until they meet the admission criteria for the program into which they desire entrance. Transfer student admission criteria can be found on the transfer student webpage.

## Graduation Requirements

The Computer Information Systems program at Ferris leads to an Associate in Applied Science degree. Graduation requires a minimum 2.0 GPA in core classes, in the major, and overall.

## Required Courses

	Credit Hours
<b>BUSINESS CORE</b>	
ACCT 201 Principles of Accounting 1	3
STQM 260 Introduction to Statistics	3
BLAW 321 Contracts and Sales	3
MKTG 321 Principles of Marketing	3
<b>MAJOR (Choose 8 courses for a total of 24 credits)</b>	
ISYS 110 Fund of Computer Info Systems	3
ISYS 200 Database Design-Implementation	3
ISYS 204 Introduction to Visual Basic	3
ISYS 216 Intro to Java Programming	3
ISYS 220 Intro to Cobol Programming	3
ISYS 265 Midrange Online Program Devel	3
ISYS 270 Fund of Hardware-Operating Sys	3
ISYS 277 Linux Network Administration	3
ISYS 304 Advanced Visual Basic Program	3
ISYS 307 MS Network Administration	3
ISYS 310 Novell Network Administration	3
ISYS 316 Advanced Java Programming	3
ISYS 325 Networking Essentials	3
ISYS 330 Systems Analysis and Design	3
<b>University General Education</b>	
<b>Communication Competence</b>	
COMM 121 Fundamentals-Public Speaking	3
ENGL 150 English 1	3
ENGL 250 English 2	3
Scientific Understanding (Lab Science Elective)	3/4
<b>Quantitative Skills</b>	
MATH 115 Intermediate Algebra	3
(If MATH ACT is 24 or higher, substitute a general education elective)	
<b>Cultural Enrichment</b>	
PHIL 216 Introduction to Ethics	3
<b>Social Awareness</b>	
ECON 221 Principles of Macroeconomics	3
<b>College of Business Additional General Education</b>	
PHIL 217 Introduction to Logic	3
Minimum credit hours required for A.A.S. degree:	60-91



## More Information

Accountancy, Finance & Info Systems  
119 South Street BUS 212  
Big Rapids, MI 49307-2284  
call (231) 591-2434  
or email AFIS@ferris.edu

The College of Business is accredited by the Association of Collegiate Business Schools and Programs (ACBSP.)  
[http://www.acbsp.org/p/st/ld/&sid=s1\\_001](http://www.acbsp.org/p/st/ld/&sid=s1_001)

**FERRIS STATE UNIVERSITY**

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