

Computer Information Systems, B.S.

In partnership with Muskegon Community College

Computers and information systems are essential to all aspects of business and life. Individual business departments, corporations, or multi-national enterprises need professionals to relate the problem-solving abilities of a computer system. The CIS curriculum provides you with a broad understanding of core business functions, competency in computer programming, knowledge of information technology infrastructure, and a sound foundation in systems analysis and design. Entry-level positions include such jobs as: application programmer/analyst; business analyst; systems analyst; consultants; software developers; computer support specialist; project leaders; and web developers. Selected Directive electives would also lead to jobs as: computer support specialist; network support; and systems administrators.

General Admission Criteria

To be admitted to this program and receive financial aid, you must have at least 48 transferable semester credit hours (C or better) from an accredited college or university. A minimum 2.35 grade point average is required, and you will need to submit official transcripts from all accredited colleges/universities with your application. To graduate, 30 credit hours must have been completed through FSU.

Course Requirements

MUSKEGON COMMUNITY COLLEGE

(FSU equivalencies are in parentheses)

Major Course Requirements

BUS 101 Principles of Accounting I (ACCT 201)	3-4
BUS 102 Principles of Accounting II (ACCT 202)	3-4
BUS 122 Principles of Management (MGMT 301)	3
BUS 260 Principles of Marketing (MKTG 321)	3
BUS 105 Business Statistics or MATH 115 Probability & Statistics (STQM 260)	3
CIS 120A Intro to Computer Information Systems and CIS 177 Introduction to HTML Editors (ISYS 110)	4
CIS 185 C Programming (ISYS 216)	3
CIS 153 Intro to Database Mgmt and CIS 253A Database Design & Implementation (ISYS 200)	4
CIS 280 Java Programming (ISYS 316)	3
CIS 183 Networking Technologies (ISYS 325)	3
CIS 250 Developing Information Systems (ISYS 330)	3

General Education

COM 201 Public Speaking (COMM 121)	3
ENG 101 English Composition (ENGL 150)	3
ENG 102 English Composition or ENG 221 Advanced Writing (ENGL 250)	3
Scientific Understanding with Lab	4
Scientific Understanding	3-4
MATH 050 Intermediate Algebra, MATH 109 College Algebra with Applications or MATH 111 Algebra with Coordinate Geometry (MATH 115)	4
PHIL 202 Introduction to Ethics (PHIL 216)	3
Cultural Enrichment Electives	6
ECON 101 Principles of Economics – Macro. (ECON 221)	4
ECON 102 Principles of Economics – Micro. (ECON 222)	4
*Social Awareness Elective	3
General Education Elective	2
Directive Electives (See FSU Advisor)	12
Total MCC Credits	89-92

FERRIS STATE UNIVERSITY

All Ferris courses need to be completed either online or at the Grand Rapids campus.

Major Course Requirements

BLAW 321 Contracts & Sales	3
ISYS 288 Web Application Development	3
ISYS 371 Adv. DB Design/Implementation	3
PROJ 320 Project Management	3
ISYS 470 Database Administration	3
ISYS 489 Web-Based Systems Develop-Implementation	3
ISYS 491 Internship	3
BUSN 499 Integrating Experience	3
FINC 322 Financial Management 1	3
ISYS 321 Business Information Systems	3
MGMT 370 Quality/Operations Mgmt	3

General Education

COMM 336 Technical & Professional Communication	3
ENGL 325 Advanced Business Writing	3
Total Ferris Credits	39

Total credits required for graduation 126-131

Without a MACRAO stamp, courses that satisfy Global Consciousness and Race/Ethnicity/Gender are required for graduation.

Important Note

Prior to applying, set up an appointment with an FSU advisor to answer any questions in regard to the program and to discuss a course schedule. Once admitted, continue to meet as you work towards graduation.

Ferris State University – Muskegon
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