

Bachelor of Science

Computer Information Systems

Delta College – Transfer Guide

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 you must have at least 48 transferable semester credit hours (C or better) from an accredited college or university, with a 2.35 overall GPA and credit for/or placement into ENG 111 or MTH 119.

Courses Requirements

Delta Community College

Communications Competence

COM 112 Fund. of Oral Communications (COMM121).....	3
ENG111 Composition I (ENGL150).....	3
ENG112 English Composition II (ENGL250).....	3

Scientific Understanding

Scientific Understanding w/Lab	4
Scientific Understanding **	3

Quantitative Skills

MTH119AW or MTH119W Intermediate Algebra (MATH115)	4
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Cultural Enrichment

PHL213W Introduction to Ethics (PHIL216)	3
Cultural Enrichment Electives	6

Social Awareness

ECN221W Principles of macroeconomics (ECON221)	4
ECN222W Principles of Microeconomics (ECON222)	4
Social Science Elective***	3

Electives

General Education Electives	2
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Business Core Courses

ACC211 Principles of Accounting 1 (ACCT201)	4
ACC212 Principles of Accounting 2 (ACCT202)	4
MTH208W Business Statistics (STQM260).....	3
MGT243 Principles of Marketing (MKTG321).....	3
MGT245 Principles of Management (MGMT301).....	3

Computer Information System Major Core

CST110 Web page Development Using HTML and	
CST170 Principles of Computer Programming 1 and	
CST177 Principles of Computer Programming II	
(ISYS110)	3
CST257 Database MS Access	3
CST183 Java Programming or	
CST180 C++ Programming (ISYS216).....	3/4
CST280 Advanced C++ Programming (ISYS316).....	4
CST161 Networking Fundamentals and	
CST260 Routing Protocols and Concepts (ISYS325).....	6
CST235 Systems Analysis and Design (ISYS330).....	3

CST159 Intro. To Oracle Database Management and	
CST259 Advanced Oracle Database Management	
(ISYS371)	5

Directive Electives:

CHOOSE 9 CREDITS FROM DELTA CLASSES :	
(See FSU Advisor)	6
Total DELTA Credits	92-93

Ferris State University (Minimum 30 FSU hours)

Communications Competence

COMM 336 Technical and Professional Comm.....	3
ENGL 325 Advanced Writing for Business.....	3

Business Core Courses

BLAW321 Contract & Sales	3
FINC 322 Financial Management 1.....	3
ISYS 321 Business Information Systems	3
MGMT 370 Quality/Operations Management.....	3
BUSN 499 Interdisciplinary Integrating experience..	3

Computer Information System Major Core

ISYS 288 Web Application Development	3
ISYS 371 Adv. DB Design/Implementation.....	3
ISYS 470 Database Administration.....	3
ISYS 489 Web-based Systems Development &	
Implementation.....	3
ISYS491 Internship ##	3
PROJ 320 Project Mangement.....	3
Total Ferris Credits	36
TOTAL CREDITS	128-129

***3 credits satisfied with MACRAO stamp
 ***Must satisfy Global Consciousness & Race, Ethnicity, Gender requirements if you don't receive a MACRAO stamp.
 ## Not required if you have work experience in field. Credits will be sub with Dir Elective. (See Advisor)

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