



FERRIS STATE UNIVERSITY

B.S. Degree in Computer Information Systems

DELTA COLLEGE

AAS in CST – Network Technology Program

Articulation Guide

COLLEGE OF BUSINESS – ACCOUNTANCY, FINANCE & INFORMATION SYSTEMS DEPARTMENT
CLASSES REQUIRED FROM FERRIS STATE ARE IN BOLD.

COMPUTER INFORMATION SYSTEMS MAJOR – 33 Credits Required				
FERRIS	COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
ISYS 110	Fundamentals of Computer Information Systems (ISYS 105 competency)	3	CST 177	
ISYS 200	Database Design & Implementation (ISYS 105 or demonstrated competency)	3	CST 263	
ISYS 216	Introduction to Object-Oriented Programming (ISYS 110, MATH 115, HUMN 217)	3	CST 180	
ISYS 316	Advanced Object-Oriented Programming (ISYS 216)	3	CST 280	
ISYS 325	Networking Essentials (ISYS 105 or demonstrated competency)	3	CST 161	
ISYS 330	Systems Analysis & Design (ISYS 200 & ISYS 316)	3	CST 235	
ISYS 371	Adv. DB Design/Implementation (ISYS 200, ISYS 216)	3	FSU	
ISYS 411	Project Management (Senior status)	3	FSU	
ISYS 470	Database Administration (ISYS 371 & ISYS 330)	3	FSU	
ISYS 488	Systems Design & Implementation (ISYS 330 & ISYS 470; ISYS 489 co-req)	3	FSU	
ISYS 489	Advanced Systems Design & Implementation (ISYS 488 co-req)	3	FSU	

BUSINESS CORE COURSES – 30 Credits Required				
FERRIS	COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR.	DELTA	GRADE
ACCT 201	Principles of Accounting 1 (Equivalent of Math 110 with C- or better)	3	ACC 211	
ACCT 202	Principles of Accounting 2 (ACCT 201)	3	ACC 212	
STQM 260	Introduction to Statistics (MATH 115)	3	MTH 208	
BLAW 321	Contracts and Sales (none)	3	FSU	
FINC 322	Financial Management 1 (ACCT 202 and MATH 115)	3	ACC 235	
ISYS 321	Business Information Systems (ACCT 202, MKTG 321, MGMT 301)	3	FSU	
MKTG 321	Principles of Marketing (none)	3	MGT 243	
MGMT 301	Applied Management (Junior standing or permission of professor)	3	MGT 245	
MGMT 370	Quality/Operations Management (STQM 260)	3	FSU	
BUSN 499	Interdisciplinary Integrating Experience (Final Semester)	3	FSU	

COMMUNICATION COMPETENCE – 15 Credits Required				
FERRIS	FSU COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
COMM 121	Fundamentals of Public Speaking (None)	3	SPH 112	
COMM 336	Technical and Professional Communications (COMM 121)	3	FSU	
ENGL 150	English 1 (None)	3	ENG 111	
ENGL 250	English 2 (ENGL 150 or equivalent) [Delta courses: ENG 112 or 112A or 211]	3		
ENGL 325	Advanced Writing for Business (ENGL 250)	3	FSU	

SCIENTIFIC UNDERSTANDING – 7 Credits Required				
<i>Select two courses from the following subject areas (one must be a lab course): Ferris courses from ASTR, BIOL, CHEM, GEOG 111, GEOG 121, GEOL, PHSC, PHYS.</i>				
FERRIS	FSU COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
	Scientific Understanding with Lab	4		
	Science, Technology & Society	3		



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QUANTITATIVE SKILLS – 3 Credits Required				
FERRIS	FSU COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
MATH 115	Intermediate Algebra [Delta courses: MTH 119A or MTH 120 or MTH 153]	3		
CULTURAL ENRICHMENT – 9 Credits Required				
<i>In addition to the HUMN 216 course below, select two additional courses from the following subject areas: ARCH 244, ARTH, ARTS, COMM 231, ENGL 322, FREN, GERM, HIST, HUMN, LITR, MUSI, SPAN, THTR</i>				
FERRIS	FSU COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
HUMN 216	Introduction to Ethics (none)	3	PHL 213	
		3		
		3		
SOCIAL AWARENESS – 9 Credits Required				
FERRIS	FSU COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
ECON 221	Principles of Macroeconomics (MATH 110 or proficiency)	3	ECN 221	
ECON 222	Principles of Microeconomics (ECON 221)	3	ECN 222	
PLSC 341	International Politics (none)	3	POL 225	
ADDITIONAL GENERAL EDUCATION – 5 Credits Required				
FERRIS	FSU COURSE TITLE WITH PREREQUISITES SHOWN IN PARENTHESES ()	CR	DELTA	GRADE
HUMN 217	Introduction to Logic (sophomore standing)	3	PHL 221	
	General Education Elective (MATH 110 if needed)	2		
DIRECTED ELECTIVES – 15 Credits Required				
1. As long as the Ferris residency requirement is met, these electives may be from any accredited higher education institution. (30 credits hours of Ferris coursework must be completed to meet residency requirement) 2. Example concentrations can include a mix of programming courses, network courses, transferred courses from another program or institution, another program's minor, or other related Ferris academic program courses that provide skills necessary for managing or supporting IT resources.				
FERRIS	WRITE COURSE TITLE & DELTA #, IF APPLICABLE	CR	DELTA	GRADE
ISYS 491	CIS Internship (required or approved substitute by department head)	3		
		3		
		3		
		3		
		3		

SPECIAL NOTICE

Forty percent (40%) of all courses must be at the 300-level or above to satisfy accreditation requirements.

NOTICE REGARDING GENERAL EDUCATION, MATH & ISYS 105 REQUIREMENTS

1. Students must complete a minimum of 48 hours of General Education credits. Refer to the following Ferris web link on requirements for race, ethnicity, gender, and social awareness courses: <http://www.ferris.edu/htmls/academics/gened/genedstudents.html>
2. Students must be able to demonstrate competency in ISYS 105 topics or take ISYS 105 (or Delta equivalent).
3. Students must be proficient in MATH 115 (C or greater) before enrolling in ISYS 216.