BELLEVUE COLLEGE

Information Systems

Associate in Applied Science-T Degree

STUDENT NAME		SID #	
PROGRAM CHAIR		DATE	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)			Completed		
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year
CORE COURSEWORK								
BUSIT 103	SQL Fundamentals	5						
CMST 250	Communication in a Diverse Workplace	5						
DBA 130	Database Theory	5						
ENGL& 101	English Composition I	5						
IT 103	Networking Basics	5						
PROG 109	Introduction to Web Development	5						
PROG 110	Introduction to Programming	5						
PROG 140	SQL & Relational Database Programming	5						
COMMUNICATION								
Choose 5 credits from the following:		5						
ENGL 201 ENGL& 235	The Research Paper (5 Cr) Technical Writing (5 Cr)							
QUANTITATIVE								
Choose 5 credits from the following:		5						
BA 240 MATH 130	Statistical Analysis (5 Cr) Introduction to Statistics (5 Cr)							
NATURAL SCIENCE, SOCIAL SCIENCE, HUMANITIES								
Choose one from the following:		5-6						
PHYS 109	Science for Information Technology (6 Cr) Any lab science (5-6 Cr)							
TOTAL		55-56						
CHOOSE ONE TRACK FROM THE FOLLOWING:								
BUSINESS ANALYST TRACK								
BUS& 101	Introduction to Business	5						
BUSIT 105	Introduction to Business Intelligence	5						
BUSIT 150	Introduction to Business Analysis	5						
BUSIT 250	Applying Business Analysis Techniques	5						
PROG 160	System Analysis and Design	5						
Program Approved Electives		10						
TOTAL		35						
SOFTWARE DEVELOPMENT TRACK								
PROG 120	Object Oriented Programming Concepts	5						
PROG 123	Server Side Web Development	5						
PROG 160	Systems Analysis & Design	5						
PROG 210	Enterprise Software Development II	5						
PROG 260	Advanced Topics in Object Oriented Programming	5						
Any program approved electives (10 Cr) Preparation for BAS Information Systems and Technology, Application Development concentration, requires PROG 209 and PROG 272		10						
TOTAL		35						
GRAND TOTAL		90-91						

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The Information Systems degree includes concentrations for students interested in software development or business intelligence. Students also take general education courses. The degree prepares graduates for entry-level developer/analyst positions and for continuation to a Baccalaureate institution. Certificates of Accomplishment and Achievement in Introductory .NET Programming, Programming for Web Development, Database Report Developer, Business Intelligence Analyst, Intermediate Applications Developer, Introductory C++ Programming, and Database Analyst may be applied toward the degree.

LEARNING OUTCOMES

Degree recipients should possess the skills & abilities described below:

- Communicate effectively in the three areas of listening, writing and speaking
- Apply critical thinking and logical research to technological problems in their area of concentration
- Create stored procedures, triggers and cursors using an appropriate database server programming language
- Use common relational database terminology and normalization to design a relational database

BUSINESS ANALYST TRACK

- Identify appropriate business analysis tasks for a variety of organizational scenarios using appropriate terminology
- Document the results of various business analysis tasks using generally acceptable approaches
- Communicate within a small group using appropriate business analysis terminology and techniques
- Detail business analysis techniques to real-world scenarios/tasks by explaining the advantages and disadvantages of each

SOFTWARE DEVELOPMENT TRACK

- Using .NET compliant programming languages, write, compile, debug and execute well engineered and maintainable programs that effectively meet the requirements for Web and/or Windows applications
- Explain and apply the necessary processes, tools and skills used in the systems analysis and system design phases of a project
- Create and utilize relational databases, including modeling data, developing queries, customizing forms and reports, using code, creating charts and working with graphics

FOR MOST UP-TO-DATE INFORMATION, GO TO:

www.bellevuecollege.edu/programs/degrees/proftech/infosys/#infosysaast

NOTES

CULTURAL DIVERSITY REQUIREMENT (CDR)

Below is a complete listing of all the courses that meet the college's Cultural Diversity requirements for the Associate Transfer Degrees. Classes will be applied toward either the Humanities, Social Science, Natural Sciences or electives.

Transferable Courses:

- ***Anthropology*** 100, 104, 106, 108, 117, 180, 200, 206, 208, 209, 210, 211, 212, 214, 219, 220, 222, 224, 235, 260, 265;
- ***Art*** 103
- ***Cultural and Ethnic Studies*** 100, 101, 106, 109, 120, 121, 130, 140, 152, 180, 200, 201, 203, 205, 210, 241, 257;
- ***Communication Studies*** 134, 250, 280
- ***French*** 131, 132, 133, 231, 232, 233
- ***Geography*** 123, 200, 277
- ***History*** 185, 246
- ***International Studies*** 123
- ***Music*** 117
- ***Philosophy*** 102, 145, 265
- ***Psychology*** 250
- ***Sociology*** 101, 120, 121, 122, 201, 205, 210, 215, 222, 230, 248, 249, 253, 254, 257, 260, 262, 264, 267, 268, 275

Restrictive Electives:

- ***Allied Health*** 140
- ***Business*** 120, 241
- ***Criminal Justice*** 242
- ***Education*** 150, 240, 286
- ***Human Development*** 140
- ***Marketing Management*** 200
- ***Nursing*** 290

For more information, go to: *www.bellevuecollege.edu/programs/degrees/culturaldiversity/*