| 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 | | | | | | |
| **PROG 160** | Systems Analysis and Design | 5 | | | | | | |
| **COMMUNICATION** | | | | | | | | |
| *Choose 5 credits from the following:* | | 5 | | | | | | |
| **ENGL 201** **ENGL& 235** | The Research Paper (5 Cr) Technical Writing (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 | | | | | | |
| **MATH 130** | Introduction to Statistics | 5 | | | | | | |
| **Program Approved Electives** | | 10 | | | | | | |
| **TOTAL** | | **35** | | | | | | |
| **SOFTWARE DEVELOPMENT TRACK** | | | | | | | | |
| **MATH 138** | College Algebra for Business & Social Science (or higher) | 5 | | | | | | |
| **PROG 120** | Object Oriented Programming Concepts | 5 | | | | | | |
| **PROG 123** | Server Side Web Development | 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** | | | | | | |

| PROGRAM REQUIREMENTS | | | Requested Substitution/Transfer Credits (if applicable) | | | | | |
|---|---|---|---|---|---|---|---|---|
| Course | Course Title | CR | College/University | Course | CR | Grade | Quarter | Year |

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

### DIVERSITY DEGREE REQUIREMENT (DDR)

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

**Transferable Courses:**

- *Anthropology* 100, 108, 180, 206, 208, 219, 220, 222, 224, 235;
- *Cultural and Ethnic Studies* 100, 101, 109, 180, 200, 234, 257;
- *Communication Studies* 250, 280;
- *Philosophy* 102, 260, 265;
- *Psychology* 250
- *Sociology* 101, 105, 249, 253, 254, 256, 258, 262, 264, 278;

**Restrictive Electives:**

- *Business* 120;
- *Criminal Justice* 242;
- *Education* 150, 240;
- *Human Development* 140;
- *Marketing Management* 200.

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