

Student Name: _____

SID: _____

 Courses may be subject to prerequisites and minimum grade requirements. Check online at <http://bellevuecollege.edu/classes/All/>

| PROGRAM REQUIREMENTS | | | REQUESTED SUBSTITUTION/TRANSFER CREDIT (if applicable) | | | | | |
|--|---|--------------|---|--------|---------|-------|---------|------|
| Course | Course Title | Credits | College/University | Course | Credits | Grade | Quarter | Year |
| CORE COURSEWORK | | | | | | | | |
| BUSIT 103 | SQL Fundamentals | 5 | | | | | | |
| CMST 250 | Organizational Communication | 5 | | | | | | |
| DBA 130 | Database Theory | 5 | | | | | | |
| ENGL& 101 | English Composition I | 5 | | | | | | |
| IT 103 | Networking Basics | 5 | | | | | | |
| PROG 110 | Introduction to Programming | 5 | | | | | | |
| PROG 140 | SQL & Relational Database Programming | 5 | | | | | | |
| COMMUNICATION | | | | | | | | |
| Choose 5 Credits from the following | | 5 | | | | | | |
| ENGL 201 | The Research Paper (5 Cr) | | | | | | | |
| ENGL& 235 | Technical Writing (5 Cr) | | | | | | | |
| QUANTITATIVE | | | | | | | | |
| Choose 5 Credits from the following | | 5 | | | | | | |
| BA 240 | Statistical Analysis (5 Cr) | | | | | | | |
| MATH 130 | 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) | | | | | | | |
| ELECTIVES | | | | | | | | |
| Choose 5 Credits from the following | | 5 | | | | | | |
| PROG 117 | Web Development II(5 Cr) | | | | | | | |
| PROG 118 | Windows Development II (5 Cr) | | | | | | | |
| TOTAL | | 55-56 | | | | | | |
| CHOOSE ONE TRACK FROM THE FOLLOWING | | | | | | | | |
| Business Intelligence Track | | | | | | | | |
| BUSIT 105 | Multi-Dimensional Analysis I | 5 | | | | | | |
| BUSIT 110 | Data Warehouse I | 5 | | | | | | |
| BUSIT 115 | Data Mining I | 5 | | | | | | |
| BUSIT 202 | Dimensional Modeling | 5 | | | | | | |
| BUSIT 205 | Multi-Dimensional Analysis | 5 | | | | | | |
| BUSIT 209 | Data Visualization | 5 | | | | | | |
| BUSIT 210 | Data Warehouse II | 5 | | | | | | |
| TOTAL | | 35 | | | | | | |
| Database Administration Track | | | | | | | | |
| BUSIT 105 | Multi-Dimensional Analysis I | 5 | | | | | | |
| DBA 232 | Database Administration | 5 | | | | | | |
| NSCOM 221 | Implementing Server Operating Systems | 5 | | | | | | |
| PROG 160 | Systems Analysis & Design | 5 | | | | | | |
| TECH 223 | Using & Supporting Linux | 5 | | | | | | |
| Any program approved electives (10 Cr) (see page 2 for program contact information) | | 10 | | | | | | |
| TOTAL | | 35 | | | | | | |

| Software Development Track | | | | | | | | |
|--|---|--------------|--|--|--|--|--|--|
| PROG 109 | Introduction to Web Development | 5 | | | | | | |
| PROG 120 | Object Oriented Programming Concepts | 5 | | | | | | |
| PROG 160 | Systems Analysis & Design | 5 | | | | | | |
| PROG 210 | Enterprise Software Development II | 5 | | | | | | |
| Choose 5 Credits from the following | | 5 | | | | | | |
| PROG 225 | Enterprise Software Development Project (5 Cr) | | | | | | | |
| PROG 260 | Advanced Topics in Object Oriented Programming (5 Cr) | | | | | | | |
| Any program approved electives (10 Cr) (see page 2 for program contact information) | | 10 | | | | | | |
| TOTAL | | 35 | | | | | | |
| GRANDTOTAL | | 90-91 | | | | | | |

Please complete this form prior to meeting with the Program Chair for signature. Completed form must be submitted to the Evaluations/Graduation Office when applying for graduation.

Program Chair: _____

Date: _____

Information Systems 2014-2015 Associate in Applied Science-T (continued)

DEGREE REQUIREMENTS

Must earn a cumulative GPA of 2.00 in all coursework taken at BC, and in all courses applied to the degree. A minimum of 30 credits of the total must be completed at BC.

TRANSFER CREDITS

For credits from other institutions, meet with a faculty advisor or curriculum advisor for an initial unofficial transcript review.

For an official review, submit a Petition for Exception to Degree or Certificate Requirements and an official transcript(s) in the prior institution(s) sealed envelope to the Program Chair.

Petition: <http://bellevuecollege.edu/services/>
Program chairs:
www.bellevuecollege.edu/classes/all/

NON-TRADITIONAL CREDITS

BC awards non-traditional credit for prior learning. Credit may be awarded for work completed in private study, at non-accredited institutions, or for certificate/training. Credit is awarded through examination, evaluation of certification/training, or submission of portfolio or other form of assessment. To apply for the credits, students must be registered at the college for the quarter in which non-traditional credits are requested and have completed ten quarter credit hours at the college. For more information, go to <http://bellevuecollege.edu/enrollment/academic/nontraditional/>

GENERAL EDUCATION REQUIREMENTS

BC General Education requirements embedded in this degree are designed to address areas and specific requirements that ensure that students' learning experiences prepare them to build fulfilling and successful lives as individuals, workers, citizens, and life-long learners.

STAYING ON TRACK

Use Degree Audit to track your progress toward completion of this degree at bellevuecollege.edu/degreeaudit. Please refer to bellevuecollege.edu/programs/degrees/ for latest degree updates and further information.

GRADUATION APPLICATION

Students must apply for graduation. Submit your graduation application form two quarters prior to the expected graduation date and pay the application fee.

Application deadlines:

- Fall: June 1
- Winter: October 10
- Spring: December 10
- Summer: March 15

PROGRAM CONTACT INFORMATION

www.bellevuecollege.edu/classes/all/

Information Systems

DESCRIPTION

The Information Systems degree includes concentrations for students interested in software development, database administration 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 Business Intelligence Developer, Database Administration Assistant, 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 and 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 Intelligence Track

- Use current business tools to develop strategies for supporting decision support systems
- Create and manipulate advanced On Line Analytical Processing (OLAP) objects that satisfy stated requirements
- Design, create and apply Multi Dimensional (MDX) queries against an OLAP cube design and create data mining models based on a business scenario

DBA Track

- Describe the role of a database administrator (DBA) for a "high end" relational database implementation
- Install and configure a new instance of a database server along with the rules and roles required
- Design and implement a database backup and recovery plan based on a stated business scenario
- Monitor database server performance and tune the server as required

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
- Write code for efficiently designed N-tiered business 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

ASSOCIATE IN ARTS & SCIENCES DEGREE (DTA)

The Associate in Arts & Sciences Degree Direct Transfer Agreement (DTA) is updated annually on the Bellevue College website at:

https://www.bellevuecollege.edu/worksheets/pdfs/Transfer/AAS_DTA.pdf

CULTURAL DIVERSITY REQUIREMENT (CDR)

One cultural diversity (CD) course must be taken from the list below as part of the Natural Science, Social Science, and Humanities section.

Anthropology (ANTH) 100, 104, 106, 108, 117, 180, 200, 206, 208, 209, 210, 211, 212, 214, 220, 222, 224, 235, 260, 265; **Art** (ART) 103; **Cultural and Ethnic Studies** (CES) 100, 101, 106, 109, 120, 121, 130, 140, 152, 180, 200, 201, 203, 205, 210, 241, 257; **Communication Studies** (CMST) 134, 250, 280; **French** (FRCH) 131, 132, 133, 231, 232, 233; **Geography** (GEOG) 200, 277

Additional cultural diversity courses that do not meet the requirements of the Natural Science, Social Science, Humanities section can be found here: <http://bellevuecollege.edu/programs/degrees/culturaldiversity/>