

|                      |  |              |  |
|----------------------|--|--------------|--|
| <b>STUDENT NAME</b>  |  | <b>SID #</b> |  |
| <b>PROGRAM CHAIR</b> |  | <b>DATE</b>  |  |

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

**PREREQUISITE REQUIREMENTS – ALL STUDENTS**

|   |           |  |  |  |  |  |  |  |
|---|-----------|--|--|--|--|--|--|--|
| Associate degree in IT or CS-related field or equivalent credits that represent the combination of program admission required courses and other transferable college-level credits.<br>Must have two English courses and at least 20 credits of general education courses from the following list of General Education requirements: <ul style="list-style-type: none"> <li>■ English Composition (5 Cr)</li> <li>■ The Research Paper (5 Cr) or Technical Writing (5 Cr)</li> <li>■ College Level Math as per specific concentration requirements below</li> <li>■ Social Science course from AAS-DTA transfer list (5 Cr)</li> </ul> (Students selecting the Application Development or BI concentration do not need a social science prerequisite) <ul style="list-style-type: none"> <li>■ Humanities course from AAS-DTA transfer list (5 Cr)</li> <li>■ Natural Science (5-6 Cr) (Ten credits in Natural Science from AAS-DTA list required for BAS Information Systems and Technology graduation. Students must choose from two different subject areas. At least five credits must be in physical, biological and/or Earth sciences. Shall include at least one laboratory course)</li> </ul> | <b>90</b> |  |  |  |  |  |  |  |
|---|-----------|--|--|--|--|--|--|--|

Students who don't have an associate degree in an IT-related field from Bellevue College, should contact the BAS IST program manager for technical prerequisite courses

**CORE PROGRAM REQUIREMENTS – ALL STUDENTS**

|                      |  |           |  |  |  |  |  |  |
|----------------------|--|-----------|--|--|--|--|--|--|
| <b>BUS 355</b>       | Business of Information Technology                             | <b>5</b>  |  |  |  |  |  |  |
| <b>CMST 340</b>      | Advanced Communication in Business & Technology                | <b>5</b>  |  |  |  |  |  |  |
| <b>ISIT 105</b>      | Problem Solving for the IT Professional                        | <b>5</b>  |  |  |  |  |  |  |
| <b>ISIT 490</b>      | Capstone I   | <b>5</b>  |  |  |  |  |  |  |
| <b>ISIT 491</b>      | Capstone II  | <b>5</b>  |  |  |  |  |  |  |
| <b>PHIL&amp; 115</b> | Critical Thinking  | <b>5</b>  |  |  |  |  |  |  |
| <b>PHIL 375</b>      | Ethical Issues in Information Technology                       | <b>5</b>  |  |  |  |  |  |  |
|                      | Any 200-level Social Science course from AAS-DTA transfer list | <b>5</b>  |  |  |  |  |  |  |
|                      | Natural Science course from AAS-DTA transfer list              | <b>5</b>  |  |  |  |  |  |  |
| <b>CORE TOTAL</b>    |  | <b>45</b> |  |  |  |  |  |  |

**TECHNICAL PREREQUISITES FOR APPLICATION DEVELOPMENT CONCENTRATION**

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| <b>MATH 130/</b><br><b>BA 240/</b><br><b>MATH&amp; 141*</b><br><b>PROG 109</b><br><b>PROG 110</b><br><b>PROG 120</b><br><b>PROG 123</b><br><b>PROG 160</b><br><b>PROG 209</b><br><b>PROG 210</b><br><b>PROG 260</b><br><b>PROG 272</b> | Intro to Statistics or<br>Statistical Analysis or<br>Precalculus I or higher (5 Cr)<br>Introduction to Web Development (5 Cr)<br>Introduction to Programming (5 Cr)<br>Object Oriented Programming Concepts (5 Cr)<br>Server Side Web Development (5 Cr)<br>Systems Analysis and Design (5 Cr)<br>Client-Side Web Programming I (5 Cr)<br>Enterprise Software Development II (5 Cr)<br>Adv.Topics in Object Oriented Programming (5 Cr)<br>Implementing a Mobile Solution (5 Cr) |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|

**APPLICATION DEVELOPMENT CONCENTRATION REQUIREMENTS**

|                     |                                 |          |  |  |  |  |  |  |
|---------------------|---------------------------------|----------|--|--|--|--|--|--|
| <b>BUS&amp; 101</b> | Introduction to Business        | <b>5</b> |  |  |  |  |  |  |
| <b>BUS 370</b>      | Intermediate Project Management | <b>5</b> |  |  |  |  |  |  |
| <b>ISIT 320</b>     | Advanced Web Development        | <b>5</b> |  |  |  |  |  |  |
| <b>ISIT 322</b>     | Developing Mobile Applications  | <b>5</b> |  |  |  |  |  |  |
| <b>ISIT 324</b>     | Principles of Software Testing  | <b>5</b> |  |  |  |  |  |  |
| <b>ISIT 328</b>     | Information Security Essentials | <b>5</b> |  |  |  |  |  |  |

| PROGRAM REQUIREMENTS  |  |            | Requested Substitution/Transfer Credits (if applicable) |        |    | Completed |         |      |
|---|--|------------|---|--------|----|-----------|---------|------|
| Course  | Course Title   | CR         | College/University                                      | Course | CR | Grade     | Quarter | Year |
| ISIT 420  | Advanced Data Access Techniques                      | 5          |   |        |    |           |         |      |
| ISIT 422  | Application Architecture                             | 5          |   |        |    |           |         |      |
| TECH 223  | Using and Supporting Linux                           | 5          |   |        |    |           |         |      |
| <b>CONCENTRATION TOTAL</b>  |  | <b>45</b>  |   |        |    |           |         |      |
| <b>TECHNICAL PREREQUISITES FOR BUSINESS INTELLIGENCE CONCENTRATION</b>                              |  |            |   |        |    |           |         |      |
| MATH 130/BA 240* Introduction to Statistics/Statistical Analysis (5 Cr)                             |  |            |   |        |    |           |         |      |
| Technology or math credits must not be more than 5 years old. *Determined by placement or transfer. |  |            |   |        |    |           |         |      |
| <b>BUSINESS INTELLIGENCE CONCENTRATION REQUIREMENTS</b>   |  |            |   |        |    |           |         |      |
| BUS& 101  | Introduction to Business                             | 5          |   |        |    |           |         |      |
| BUS 370   | Intermediate Project Management                      | 5          |   |        |    |           |         |      |
| ISIT 328  | Information Security Essentials                      | 5          |   |        |    |           |         |      |
| ISIT 330  | Business Intelligence Applications                   | 5          |   |        |    |           |         |      |
| ISIT 331  | Applied Database Concepts                            | 5          |   |        |    |           |         |      |
| ISIT 332  | Data Warehousing                                     | 5          |   |        |    |           |         |      |
| ISIT 333  | Applied Programming Concepts                         | 5          |   |        |    |           |         |      |
| ISIT 334  | Data Visualization Tools & Techniques                | 5          |   |        |    |           |         |      |
| <i>Choose 5 credits from the following:</i>   |  | 5          |   |        |    |           |         |      |
| ISIT 336  | Dimensional Modeling (5 Cr)                          |            |   |        |    |           |         |      |
| ISIT 337  | Predictive Analytics (5 Cr)                          |            |   |        |    |           |         |      |
| ISIT 338  | Data Analysis Techniques (5 Cr)                      |            |   |        |    |           |         |      |
| ISIT 432  | Data Repositories for Analytics (5 Cr)               |            |   |        |    |           |         |      |
| ISIT 434  | Web Analytics (5 Cr)                                 |            |   |        |    |           |         |      |
| ISIT 436  | Performance Management (5 Cr)                        |            |   |        |    |           |         |      |
| <b>CONCENTRATION TOTAL</b>  |  | <b>45</b>  |   |        |    |           |         |      |
| <b>TECHNICAL PREREQUISITES FOR CYBER SECURITY AND SYSTEMS ADMINISTRATION CONCENTRATION</b>          |  |            |   |        |    |           |         |      |
| IT 128  | Information Security Essentials (5 Cr)               |            |   |        |    |           |         |      |
| MATH 138  | College Algebra for Business & Social Science (5 Cr) |            |   |        |    |           |         |      |
| NSCOM 201   | CISCO Networking I (5 Cr)                            |            |   |        |    |           |         |      |
| NSCOM 202   | CISCO Networking II (5 Cr)                           |            |   |        |    |           |         |      |
| NSCOM 221   | Implementing Server Operating Systems (5 Cr)         |            |   |        |    |           |         |      |
| NSCOM 223   | Managing a Network Environment (5 Cr)                |            |   |        |    |           |         |      |
| NSCOM 227   | Implementing Directory Services (5 Cr)               |            |   |        |    |           |         |      |
| TECH 215  | PC Analysis & Configuration I (5 Cr)                 |            |   |        |    |           |         |      |
| TECH 217  | PC Analysis & Configuration II (5 Cr)                |            |   |        |    |           |         |      |
| Recommended: TECH 223 Using & Supporting Linux (5 Cr)   |  |            |   |        |    |           |         |      |
| <b>CYBER SECURITY AND SYSTEMS ADMINISTRATION CONCENTRATION REQUIREMENTS</b>                         |  |            |   |        |    |           |         |      |
| BUSIT 103   | SQL Fundamentals                                     | 5          |   |        |    |           |         |      |
| ISIT 305  | Network Security and Firewalls                       | 5          |   |        |    |           |         |      |
| ISIT 344  | Virtualization and Storage                           | 5          |   |        |    |           |         |      |
| ISIT 350  | Digital Information Analysis and Recovery            | 5          |   |        |    |           |         |      |
| ISIT 440  | Administering a Linux Server                         | 5          |   |        |    |           |         |      |
| ISIT 444  | Automation/Configuration & Management                | 5          |   |        |    |           |         |      |
| ISIT 450  | Network Vulnerabilities and Countermeasurements      | 5          |   |        |    |           |         |      |
| ISIT 452  | Network Security Monitoring                          | 5          |   |        |    |           |         |      |
| ISIT 454  | System Hardening                                     | 5          |   |        |    |           |         |      |
| <b>CONCENTRATION TOTAL</b>  |  | <b>45</b>  |   |        |    |           |         |      |
| <b>GRAND TOTAL</b>  |  | <b>180</b> |   |        |    |           |         |      |

