

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

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. Must have two English courses and at least 20 credits of general education courses from the following list of General Education requirements:		90						
■ English Composition (5 Cr) ■ The Research Paper (5 Cr) or Technical Writing (5 Cr) ■ College Level Math as per specific concentration requirements below ■ Social Science course from AAS-DTA transfer list (5 Cr) (Students selecting the Application Development or BI concentration do not need a social science prerequisite) ■ Humanities course from AAS-DTA transfer list (5 Cr) ■ 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)								

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								
BUS 355	Business of Information Technology	5						
CMST 340	Advanced Communication in Business & Technology	5						
ISIT 300	Problem Solving Strategies	5						
ISIT 490	Capstone I	5						
ISIT 491	Capstone II	5						
PHIL& 115	Critical Thinking	5						
PHIL 375	Ethical Issues in Information Technology	5						
Any 200-level Social Science course from AAS-DTA transfer list		5						
Natural Science course from AAS-DTA transfer list		5						
CORE TOTAL		45						

TECHNICAL PREREQUISITES FOR APPLICATION DEVELOPMENT CONCENTRATION								
MATH 130/ MATH& 141*	Intro to Statistics or Precalculus I or higher (5 Cr)							
PROG 109	Introduction to Web Development (5 Cr)							
PROG 110	Introduction to Programming (5 Cr)							
PROG 120	Object Oriented Programming Concepts (5 Cr)							
PROG 123	Server Side Web Development (5 Cr)							
PROG 160	Systems Analysis and Design (5 Cr)							
PROG 209	Client-Side Web Programming I (5 Cr)							
PROG 210	Enterprise Software Development II (5 Cr)							
PROG 260	Adv.Topics in Object Oriented Programming (5 Cr)							
PROG 272	Implementing a Mobile Solution (5 Cr)							

APPLICATION DEVELOPMENT CONCENTRATION REQUIREMENTS								
BUS& 101	Introduction to Business	5						
BUS 230	Project Management	5						
ISIT 320	Advanced Web Development	5						
ISIT 322	Developing Mobile Applications	5						
ISIT 324	Principles of Software Testing	5						
ISIT 328	Information Security Essentials	5						

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ISIT 420	Advanced Data Access Techniques	5						
ISIT 422	Application Architecture	5						
TECH 223	Using and Supporting Linux	5						
CONCENTRATION TOTAL		45						
TECHNICAL PREREQUISITES FOR BUSINESS INTELLIGENCE CONCENTRATION								
MATH 130* Introduction to Statistics		5						
Technology or math credits must not be more than 5 years old. *Determined by placement or transfer.								
BUSINESS INTELLIGENCE CONCENTRATION REQUIREMENTS								
BUS& 101	Introduction to Business	5						
BUS 230	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)							
CONCENTRATION TOTAL		45						
TECHNICAL PREREQUISITES FOR CYBER SECURITY AND SYSTEMS ADMINISTRATION CONCENTRATION								
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)							
TECH 223	Using & Supporting Linux (5 Cr)							
CYBER SECURITY AND SYSTEMS ADMINISTRATION CONCENTRATION REQUIREMENTS								
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						
CONCENTRATION TOTAL		45						
GRAND TOTAL		180						

