

Information Systems & Technology

Bachelor of Applied Science Degree

STUDENT NAM					SID#				
PROGRAM CH	AIR				DATE				
PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)				Complete	d	
Course (Course Title	CR	College/University	Cour		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: 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		90							
	ude at least one laboratory course). on't have an associate degree in an IT-related field f	rom Bell	evue College, should contac	t the BAS IS	T program	ı manage	r for techn	ical prerequis	ite courses
	M 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 PR	EREQUISITES FOR APPLICATION DEVELOPMENT C	ONCENT	TRATION						
MATH 130/ MATH& 141* PROG 109 PROG 110 PROG 120 PROG 123 PROG 160 PROG 209 PROG 210 PROG 260 PROG 272	Intro to Statistics or Precalculus I or higher (5 Cr) Introduction to Web Development (5 Cr) Introduction to Programming (5 Cr) Object Oriented Programming Concepts (5 Cr) Server Side Web Development (5 Cr) Systems Analysis and Design (5 Cr) Client-Side Web Programming I (5 Cr) Enterprise Software Development II (5 Cr) Adv.Topics in Object Oriented Programming (5 Cr) Implementing a Mobile Solution (5 Cr)								

5

5

5

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Introduction to Business

Advanced Web Development

Principles of Software Testing

Information Security Essentials

Developing Mobile Applications

Project Management

BUS& 101

BUS 230

ISIT 320

ISIT 322

ISIT 324

ISIT 328



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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						
CONCENTRATION TOTAL		45						
TECHNICAL PR	REREQUISITES FOR BUSINESS INTELLIGENCE CONC	CENTRAT	TION					
MATH 130* Intro	oduction to Statistics	5						
Technology or m	ath credits must not be more than 5 years old. *Determi	ned by pla	acement or transfer.					
BUSINESS INTI	ELLIGENCE 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						
Choose 5 credits from the following:		5						
ISIT 336 ISIT 337 ISIT 338 ISIT 432 ISIT 434 ISIT 436	Dimensional Modeling (5 Cr) Predictive Analytics (5 Cr) Data Analysis Techniques (5 Cr) Data Repositories for Analytics (5 Cr) Web Analytics (5 Cr) Performance Management (5 Cr)							
CONCENTRAT		45				_		_
IT 128 MATH 138 NSCOM 201 NSCOM 202 NSCOM 222 NSCOM 223 NSCOM 227 TECH 215 TECH 217 TECH 223	Information Security Essentials (5 Cr) College Algebra for Business & Social Science (5 Cr) CISCO Networking I (5 Cr) CISCO Networking II (5 Cr) Implementing Server Operating Systems (5 Cr) Managing a Network Environment (5 Cr) Implementing Directory Services (5 Cr) PC Analysis & Configuration I (5 Cr) Using & Supporting Linux (5 Cr)	S ADMII	NISTRATION CONCENTRATIO	NC				
CYBER SECURI	TY AND SYSTEMS ADMINISTRATION CONCENTRA	TION RE	QUIREMENTS					
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						
CONCENTRAT	ION TOTAL	45						
GRAND TOTAL		180						



Information Systems & Technology

Bachelor of Applied Science Degree

The BAS in Information Systems and Technology (IST) will provide students with a broad base of theoretical and technical knowledge, as well as specialized knowledge in one of four concentration areas: application development, business intelligence, and cyber security & systems administration. Individual concentration descriptions can be found online at www. bellevuecollege.edu/ibit/degrees/bachelor/ist.

LEARNING OUTCOMES

Program graduates should be able to:

- Apply core competencies learned in the graduate's chosen concentration to function as a successful professional in the field of Information Systems and Technology
- Apply a broad understanding of information systems and technology, creative problem-solving techniques and systems thinking to developing organizational solutions
- Work effectively in multi-disciplinary teams to apply information technology in support of organizational goals
- Identify and analyze user needs and take them into account in the selection, creation, evaluation, implementation and administration of information technology systems
- Work efficiently and effectively applying sound project management techniques and professional communication skills
- Analyze the local and global impact of information technology on individuals, organizations, and society
- Apply best practices and standards, conform to legal and regulatory standards, and apply appropriate ethical considerations including respect for privacy and intellectual property
- Engage in continuing professional development through lifelong learning
- Analyze and apply sustainable business practices
- Demonstrate the breadth and depth of the educational preparation through the completion of a capstone project

PROGRAM ELIGIBILITY

Individuals must have:

- Associate degree in an information technology or computer science related field from a regionally accredited institution, or 90 equivalent credits that represent the combination of program admission required courses and other transferable college-level credits
- Completed college courses with a grade of 2.0 or higher, with a minimum grade of 2.0 in all courses required for associate's degree in IT
- At least 30 credits of general education requirements completed as part of the associate's degree

DEGREE REQUIREMENTS

Completion of all required courses as shown in the worksheet for each corresponding concentration. In addition to eligibility requirements, students must also achieve the following:

- Complete 90 quarter credits in the general program and concentration requirements, with a grade of "C" or better
- A minimum cumulative GPA of 2.0 for all coursework taken at BC and the coursesappliedtothedegree,includingcreditstransferredfromothercolleges
- At least 45 quarter credits for the degree must be completed in residence at BC, of which 30 credits must be upper division
- Courses may be subject to minimum grade requirements and prerequisites. Check online at www.bellevuecollege.edu/classes/all/

APPLICATION PROCESS

To be considered for the Bachelor of Applied Science in Information Systems and Technology, prospective students must submit the following:

- Completed general Bellevue College admission form
- Nonrefundable admissions and placement fee of \$55
- Completed Bachelor of Applied Science application form
- Nonrefundable application fee of \$75
- Official transcripts from regionally accredited college(s), demonstrating completion of an appropriate associate's degree or equivalent credits, and the prerequisite courses, with a GPA of 2.0 or higher

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

www.bellevuecollege.edu/programs/degrees/bachelor/ist/

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