Articulation Agreement

San Francisco Bay University (SFBU) & Gavilan College

SFBU Bachelor of Science in Computer Science (BSCS)				
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Gavilan College Course(s)**	**CSU GE Breadth[1] equivalent**	**C-ID[2] equivalent**
English Language & Communications & Critical Thinking (12 semester credits)	**ENGL101** Expository Writing	**ENGL 1A**—Composition & Reading	A2	ENGL100
	ENGL115 Public Speaking	**CMUN 1A**—Introduction to Public Speaking	A1	COMM110
	ENGL425 Modern American Literature	**ENGL 5B**—Survey of American Literature - 1865 to Present	C2	ENGL 135
	3 additional credits in area	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	n/a
Mathematics & Natural Sciences (16 semester credits in BSCS)	**MATH201** Calculus I	**MATH 1A**—Single-Variable Calculus & Analytic Geometry	n/a	MATH 210
	MATH202 Calculus II	**MATH 1B**—Single-Variable Calculus & Analytic Geometry	n/a	MATH 220
	MATH203 Linear Algebra	**MATH 2**—Linear Algebra	n/a	MATH 250
	MATH208 Probability and Statistics	**BUS 11**—Statistics for Business and Economics **or** **ECON 11**—Statistics for Business and Economics **or** **MATH 5**—Introduction to Statistics	n/a	MATH 110
	PHYS201/201L Physics I with Lab	**PHYS 4A**—Physics for Scientists and Engineers I, or A course with a CSU GE Breadth designator B1 or B2 (with B3 for lab) that earned at least 4 semester units	B1, B3	PHYS 205
Arts & Humanities (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a

General Education Requirements (40 semester Units)

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[1] Courses without a CSU GE Breadth Designator will be evaluated individually

[2] Courses without a C-ID designator will be evaluated individually

	Social Sciences (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

Major Course Requirements (65 credits BSCS)		
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Gavilan College Course(s)**
Core Course Requirements (50 units BSCS)	**CE305** Computer Organization	**CSIS 28**—Computer Architecture & Organization
	CS200 Discrete Logic	**CSIS 26**—Discrete Structures or **MATH 16**—Discrete Mathematics
	CS230/230L Linux & Shell Scripting/Lab	**CSIS 48**—UNIX/Linux Operating System
	CS250/250L Introduction to Programming/Lab	**CSIS 42**—Python Programming *(Meets CS250 requirement; CS250L not met)*
	CS350/350L Data Structures/Lab	**CSIS 27**—Java Programming II
	CS360/360L Programming in C and C++/Lab	(**CSIS 18**—UNIX/C++ Programming **and** **CSIS 18L**—UNIX/C++ Programming Lab) **or** (**CSIS 43**—C Programming **and** **CSIS 45**—C++ Programming I)
	CS380 Operating Systems	**CSIS 182**—Operating Systems
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	**CSIS 162**—Introduction to Database Systems *(Meets CS457 requirement; CS457L not met)*
	CS480/480L Java and Internet Applications/ Java Programming Lab	**CSIS 24**—Java Programming I *(Meets CS480 requirement; CS480L not met)*
	All other major course requirements not listed above (20 units)	No equivalent courses
Specialization Course Requirement (15 units BSCS)	**CS477** Ethical Hacking & Penetration Testing	**CSIS 186**—Cybersecurity: Ethical Hacking
	CS485 JavaScript & Internet Programing	**CSIS 84**—JavaScript Programming **and** *(SFBU lecture course needed for unit difference)*

	Complete four additional Specialization Courses (10 units)	No equivalent courses
Electives	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.

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Applicants for the Bachelor of Science in Business Administration (BSBA) who have successfully completed an ADT, or AA-T, or AS-T pathway as determined by Gavilan College with a GPA of 2.5 or higher will be automatically accepted into the BSBA program upon completing their admission documentation. The number of units transferable into the BSBA depends on the topic area in which the ADT, AA-T, or AS-T was earned.

SFBU Bachelor of Science in Business Administration (BSBA)				
SFBU Degree Requirements	Required SFBU course or course category	Specific Gavilan College Course(s)	CSU GE Breadth[1] equivalent	C-ID[2] equivalent
General Education Requirements (36 semester Units) — **English Language & Communications & Critical Thinking** (12 semester credits)	**ENGL101** Expository Writing	**ENGL 1A**—Composition & Reading	A2	ENGL100
	ENGL115 Public Speaking	**CMUN 1A**—Introduction to Public Speaking	A1	COMM110
	ENGL425 Modern American Literature	**ENGL 5B**—Survey of American Literature - 1865 to Present	C2	ENGL 135
	3 additional credits in area	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	n/a
Mathematics & Natural Sciences (9 semester credits in BSBA)	**MATH208** Probability & Statistics	**BUS 11**—Statistics for Business and Economics **or** **ECON 11**—Statistics for Business and Economics **or** **MATH 5**—Introduction to Statistics	n/a	MATH 110
	PHYS 101 Introduction to Physical Sciences	**PHYS 2A**—General Physics I, or transfer courses acceptable in lieu of: Physical Sciences or Biological Sciences (CSU areas B1, B2 or IGETC areas 5A, 5B)	B1, B2	n/a
	3 additional credits in area	Any course with a CSU GE Breadth designator B1, B2, B3, and/or B4	B1/B2/B3/B4	n/a
Arts & Humanities (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a

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[1] Courses without a CSU GE Breadth Designator will be evaluated individually

[2] Courses without a C-ID designator will be evaluated individually

	Social Sciences (9 semester credits)	9 credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

Major Course Requirements (60 credits BSBA)		
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Gavilan College Course(s)**
Core Course Requirements (45 credits BSBA)	**ACC110** Financial Accounting I	**ACCT 20**—Financial Accounting
	BAN199 Excel for Finance, Accounting & Analytics	**ACCT 121**—Spreadsheet - MS Excel **or** **CSIS 121**—Spreadsheet - MS Excel
	BLAW310 Introduction to Business Law	**BUS 80**—Business Law
	ECON201 Principles of Macroeconomics	**ECON 1**—Principles of Macroeconomics
	ECON202 Principles of Microeconomics	**ECON 2**—Principles of Microeconomics
	IT221 HTML & CSS Web Page Construction	**CSIS 85**—Web Development & Design **or** **DM 85**—Web Development & Design **or** (**CSIS 6** - Webpage Authoring **and** **CSIS 7** Web Page Authoring II)
	MGT310 Principles of Management	**MGMT 101**- Intro to Management
	MKT310 Principles of Marketing	**MKTG 100**- Principles of Marketing
	All other major course requirements not listed above (28 units)	No equivalent courses
Specialization Course Requirement (15 units BSBA)	**ACC110L** Financial Accounting Lab	**ACCT 120**—Computerized Accounting - QuickBooks
	ACC120 Managerial Accounting II	**ACCT 21**—Managerial Accounting
	ACC120L Managerial Accounting Lab	**ACCT 120**—Computerized Accounting - QuickBooks
	IT335 Python Introduction for Commerce	**CSIS 42**—Python Programming
	Complete three additional Specialization Courses (7 units)	No equivalent courses

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Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.

This agreement will automatically renew each year. In the event of significant curriculum change, SFBU staff is responsible for updating the agreement.

Monica Sinha, Director of Admissions & Special Projects   **January 1, 2023**
SFBU Staff Member (name, title)   Date