

Articulation Agreement

San Francisco Bay University (SFBU) & College of the Canyons

SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific College of the Canyons Course(s)	CSU GE Breadth¹ equivalent	C-ID² equivalent	
General Education Requirements (40 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL101 Expository Writing	ENGL 101 English Composition <u>or</u> ENGL 101H Honors English Composition	A2	ENGL100
	ENGL115 Public Speaking	COMS 105 Fundamentals of Public Speaking <u>or</u> COMS 105H Fundamentals of Public Speaking - Honors	A1	COMM110	
	ENGL425 Modern American Literature	ENGL 261 American Literature II	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 211 Calculus I	n/a	MATH 210
	MATH202 Calculus II	MATH 212 Calculus II	n/a	MATH 220	
	MATH203 Linear Algebra	MATH 214 Linear Algebra	n/a	MATH 250	
	MATH208 Probability and Statistics	MATH 140 Introductory Statistics <u>or</u> MATH 140H Introductory Statistics – Honors <u>or</u> ECON 291 Statistical Methods in Business & Economics	n/a	MATH 110	
	PHYS201/201L Physics I with Lab	PHYSIC 220 Physics for Scientists & Engineers: Mechanics Of Solids & Fluids <u>or</u> 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	
	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a	

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

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

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Arts & Humanities (6 semester credits)				
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 College of the Canyons Course(s)
Core Course Requirements (50 units BSCS)	BUS450 Professional and Technical Writing	ENGL 204 Technical Report Writing
	CE305 Computer Organization	CMPSCI 122 Computer Architecture & Assembly Language or CMPSCI 222 Computer Organization
	CS200 Discrete Logic	CMPSCI 256 Discrete Structures
	CS230/230L Linux & Shell Scripting/Lab	NETECH 211 Linux+ Certification Prep <i>(Meets requirement for CS230L; SFBU Lecture course required for 1 unit difference for CS230)</i>
	CS250/250L Introduction to Programming/Lab	ESYST 131 IOT – Python Programming
	CS350/350L Data Structures/Lab	CMPSCI 182 Data Structures & Program Design and CMPSCI 182L Data Structures & Program Design Lab
	CS360/360L Programming in C and C++/Lab	CMPSCI 236 C++ Object Oriented Programming <i>(Meets CS360 requirement; CS360L requirement not met)</i>
	CS480/480L Java and Internet Applications/ Java Programming Lab	CMPSCI 111 Introduction to Algorithms & Programming/Java and CMPSCI 111L Introduction to Algorithms & Programming Lab
	P450 Career Development	COUNS 110 Career/Life Planning
	All other major course requirements not listed above (22 units)	No equivalent courses

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Specialization Course Requirement (15 units BSCS)	CS470 Network Engineering and Management	NETECH 151 CCNA: Introduction to Networks
	CS485 JavaScript & Internet Programing	CMPSCI 190 Web Programming: JavaScript
	Complete three additional Specialization Courses (9 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 College of the Canyons 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 College of the Canyons 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 101 English Composition <u>or</u> ENGL 101H Honors English Composition	A2	ENGL100
		ENGL115 Public Speaking	COMS 105 Fundamentals of Public Speaking <u>or</u> COMS 105H Fundamentals of Public Speaking - Honors	A1	COMM110
		ENGL425 Modern American Literature	ENGL 261 American Literature II	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	MATH 140 Introductory Statistics <u>or</u> MATH 140H Introductory Statistics – Honors <u>or</u> ECON 291 Statistical Methods in Business & Economics	n/a	MATH 110
		PHYS 101 Introduction to Physical Sciences	PHYSIC 110 General Physics I, <u>or</u> 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
		6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a

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Arts & Humanities (6 semester credits)				
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 College of the Canyons Course(s)
Core Course Requirements (45 credits BSBA)	ACC110 Financial Accounting I	BUS 201 Principles of Accounting I
	BAN199 Excel for Finance, Accounting & Analytics	CAWT 155 Microsoft Excel I or CAWT 156 Microsoft Excel II
	BLAW310 Introduction to Business Law	BUS 211 Business Law
	BUS450 Professional & Technical Writing	ENGL 204 Technical Report Writing
	ECON201 Principles of Macroeconomics	ECON 201 Macroeconomics or ECON 201H Macroeconomics - Honors
	ECON202 Principles of Microeconomics	ECON 202 Microeconomics or ECON 202H Microeconomics-Honors
	IT221 HTML & CSS Web Page Construction	CAWT 170 Website Development I or CAWT 173 Web Development: Dreamweaver
	MGT310 Principles of Management	BUS 110 Principles of Management
	MKT310 Principles of Marketing	BUS 140 Principles of Marketing
	P450 Career Development	COUNS 110 Career/Life Planning
All other major course requirements not listed above (24 units)	No equivalent courses	
Specialization Course Requirement	ACC120 Managerial Accounting II	BUS 202 Principles of Accounting II
	IT335 Python Introduction for Commerce	ESYST 131 IOT – Python Programming

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(15 units BSBA)	IT337 JavaScript	CMPSCI 190 Web Programming: JavaScript
	Complete two additional Specialization Courses (6 units)	No equivalent courses
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
SFBU Staff Member (name, title)

February 8, 2023
Date