

Articulation Agreement (2022)

San Francisco Bay University (SFBU) & Mission College

SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Bachelor of Science in Computer Science (BSCS)					
SFBU Degree Requirements	Required SFBU course or course category	Specific Mission College Course(s) (2021 – 2022 Catalog)	<u>CSU GE Breadth</u>¹ equivalent	<u>C-ID</u>² equivalent	
General Education Requirements (40 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENG 001A English Composition <u>or</u> ENG 001AX English Composition with Additional Support	A2/A3	ENGL100/ ENGL110
		ENGL 115 Public Speaking	COM 001 Public Speaking <u>or</u> COM 001H Public Speaking – Honors	A1	COMM 110
		ENGL 425 Modern American Literature	ENG 007B 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)	MATH 201 Calculus I	MAT 003A Analytic Geometry & Calculus I <u>or</u> MAT 003AH Analytic Geometry & Calculus I Honors	n/a	MATH 210
		MATH 202 Calculus II	MAT 003B Analytic Geometry & Calculus II	n/a	MATH 220
		MATH 203 Linear Algebra	MAT 004C Linear Algebra	n/a	MATH 250
		MATH 208 Probability and Statistics	MAT 010 Elementary Statistics <u>or</u> MAT 010H Elementary Statistics Honors <u>or</u> MAT 010X Statistics with Additional Support	n/a	MATH 110
		PHYS 201/201L Physics I with Lab	PHY 004A Engineering Physics-Mechanics, <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
	Arts & Humanities (6 semester credits)	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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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)				
Core Course Requirements (50 units BSCS)	CE305 Computer Organization	CIS 039 Introduction to Computer Systems	n/a	COMP 142
	CS 200 Discrete Logic	MAT 019 Discrete Mathematics	n/a	COMP 152
	CS230/230L Linux & Shell Scripting/Lab	CIS 045 Linux Essentials I and CIS 046 Linux Essentials II	n/a	n/a
	CS250/250L Introduction to Programming/Lab	CIS 007 Python Programming	n/a	n/a
	CS350/350L Data Structures/Lab	CIS 044 Introduction to Data Structures Using Java	n/a	COMP 132
	CS360/360L Programming in C and C++/Lab	CIS 040 C++ Programming	n/a	COMP 122
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	CIS 055 Database Management Systems I and CIS 056 Database Management Systems II	n/a	n/a
	CS480/480L Java and Internet Applications/ Java Programming Lab	CIS 043 Software Development with Java	n/a	n/a
	P450 Career Development	COU 012A Careers & Lifestyles or COU 012C Careers & Lifestyles	n/a	n/a
	All other major course requirements not listed above (19 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSCS)	CE450 Fundamentals of Embedded Engineering	CIS 033 Robotics & Embedded	n/a	n/a
	CS470 Network Engineering and Management	CIT 012 Introduction to Networking	n/a	n/a

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	CS 477 Ethical Hacking & Penetration Testing	CIT 016 Cybersecurity & Ethical Hacking	n/a	n/a
	CS485 JavaScript & Internet Programing	CIS 088 Advanced JavaScript for Web Developers or GDS 089 JavaScript 1	n/a	n/a
	Complete one additional Specialization Course (3 units)	No equivalent courses	n/a	n/a
Electives	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a

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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 Mission 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 Mission College Course(s) (2021 – 2022 Catalog)	CSU GE Breadth¹ equivalent	C-ID² equivalent
English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENG 001A English Composition or ENG 001AX English Composition with Additional Support	A2/A3	ENGL100/ ENGL110
	ENGL 115 Public Speaking	COM 001 Public Speaking or COM 001H Public Speaking – Honors	A1	COMM 110
	ENGL 425 Modern American Literature	ENG 007B 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)	MATH 208 Probability and Statistics	MAT 010 Elementary Statistics or MAT 010H Elementary Statistics Honors or MAT 010X Statistics with Additional Support	n/a	MATH 110
	PHYS 101 Introduction to Physical Sciences	PHY 002A General Physics- Mechanics & Thermodynamics, 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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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)				
Core Course Requirements (45 credits BSBA)	ACC 110 Financial Accounting I	ACC 001A Financial Accounting or ACC 022 Basic Accounting Principles & Procedures	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	CAP 063B Intermediate Microsoft Excel or (ACC 033 Forecasting Financial Statements using Excel and ACC 034 Business Financial Planning Using Excel)	n/a	n/a
	BLAW310 Introduction to Business Law	BUS 028A Business Law I	n/a	BUS 125
	ECON201 Principles of Macroeconomics	ECN 001A Principles of Macroeconomics	n/a	ECON 202
	ECON202 Principles of Microeconomics	ECN 001B Principles of Microeconomics	n/a	ECON 201
	FIN310 Fundamentals of Finance	BUS 052 Fundamentals of Financial Investing	n/a	n/a
	IT221 HTML & CSS Web Page Construction	GDS 045 Web Design & Development 1 or GDS 046 Web Design & Development 2 or GDS 051 Mobile Application & Web Development with Web Standards	n/a	n/a
	MKT310 Principles of Marketing	BUS 056A Marketing Principles	n/a	n/a
	P450 Career Development	COU 012A Careers & Lifestyles or COU 012C Careers & Lifestyles	n/a	n/a
All other major course requirements not listed above (21 units)	No equivalent courses	n/a	n/a	
Specialization Course Requirement (15 units BSBA)	ACC120 Managerial Accounting II	ACC 001B Managerial Accounting	n/a	ACCT 120
	IT223 SQL & Relational Databases	CIS 055 Database Management or CIS 056 Database Management Systems II	n/a	ITIS 180
	IT335 Python Introduction for Commerce	CIS 007 Python Programming or CIS 048 Advanced Python Programming	n/a	ITIS 180

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	IT337 JavaScript	CIS 088 Advanced JavaScript for Web Developers or GDS 089 JavaScript 1	n/a	n/a
	Complete one additional Specialization Courses (3 units)	No equivalent courses	n/a	n/a
Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a

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)

January 14, 2022
Date