

Transfer Agreement (2022)

San Francisco Bay University (SFBU) & College of San Mateo

SFBU Bachelor of Science in Computer Science (BSCS)				
SFBU Degree Requirements	Required SFBU course or course category	Specific College of San Mateo Course(s) (2021 – 2022 Catalog)	CSU GE Breadth¹ equivalent	C-ID² equivalent
English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENGL 100 Composition & Reading or ENGL 105 Intensive Composition & Reading	A2/A3	ENGL 100/ ENGL 110
	ENGL 115 Public Speaking	COMM 110 Public Speaking	A1	COMM 110
	ENGL 425 Modern American Literature	LIT 202 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)	MATH 201 Calculus I	MATH 251 Calculus with Analytic Geometry I	n/a	MATH 210
	MATH 202 Calculus II	MATH 252 Calculus with Analytic Geometry II	n/a	MATH 220
	MATH 203 Linear Algebra	MATH 270 Linear Algebra	n/a	MATH 250
	MATH 208 Probability and Statistics	MATH 200 Elementary Probability & Statistics	n/a	MATH 110

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		PHYS 201/201L Physics I with Lab	PHYS 100+101 Conceptual Physics & Lab, or PHYS 210+211 General Physics I & Calculus Supplement, or PHYS 250 Physics with Calculus 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
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 264 Computer Organization & Systems Programming	n/a	COMP 142
	CS 200 Discrete Logic		CIS 262 Discrete Mathematics for Computer Science	n/a	COMP 152
	CS230/230L Linux & Shell Scripting/Lab		CIS 121 Unix/Linux <i>(Meets CS230 requirement; CS230L not met)</i>	n/a	n/a
	CS250/250L Introduction to Programming/Lab		CIS 117 Python Programming	n/a	n/a
	CS350/350L Data Structures/Lab		CIS 256 (CS2) Data Structures: Java, or CIS 279 (CS2) Data Structures: C++, or CIS 501 (CS2) Data Structures: Python	n/a	COMP 132
	CS360/360L Programming in C and C++/Lab		CIS 278 (CS1) Programming Methods: C++	n/a	COMP 122
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab		CIS 363 Enterprise Database Management with MySQL	n/a	n/a
	CS480/480L Java and Internet Applications/ Java Programming Lab		CIS 255 (CS1) Programming Methods: Java	n/a	n/a

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	P450 Career Development	CRER 100 Career Planning & Life Exploration	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 BSCS)	CS470 Network Engineering and Management	CIS 151 Computer Networking	n/a	n/a
	CS 477 Ethical Hacking & Penetration Testing	CIS 482 Ethical Hacking	n/a	n/a
	CS485 JavaScript & Internet Programing	CIS 114 JavaScript/A Jax Programming or CIS 129 Frameworks/Server-Side JavaScript		
	Complete two additional Specialization Courses (6 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 College of San Mateo 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 San Mateo Course(s) (2021 – 2022 Catalog)	CSU GE Breadth ¹ equivalent	C-ID ² equivalent	
General Education Requirements (36 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENGL 100 Composition & Reading <u>or</u> ENGL 105 Intensive Composition & Reading	A2/A3	ENGL 100/ ENGL 110
		ENGL 115 Public Speaking	COMM 110 Public Speaking	A1	COMM 110
		ENGL 425 Modern American Literature	LIT 202 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
		MATH 208 Probability and Statistics	MATH 200 Elementary Probability & Statistics	n/a	MATH 110
		PHYS 101 Introduction to Physical Sciences	PHYS 210 General Physics I, <u>or</u> PHYS 220 General Physics II, <u>or</u> PHYS 250 Physics with Calculus 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)				
Core Course Requirements (45 credits BSBA)	ACC 110 Financial Accounting I	ACTG 121 Financial Accounting	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	BUSW 418 Spreadsheets	n/a	n/a
	BLAW310 Introduction to Business Law	BUS 201 Business Law	n/a	BUS 125
	ECON201 Principles of Macroeconomics	ECON 100 Principles of Macroeconomics	n/a	ECON 202
	ECON202 Principles of Microeconomics	ECON 102 Principles of Microeconomics	n/a	ECON 201
	IT221 HTML & CSS Web Page Construction	CIS 127 HTML5 & CSS	n/a	n/a
	MKT310 Principles of Marketing	BUS 180 Introduction to Marketing	n/a	n/a
	P450 Career Development	CRER 100 Career Planning & Life Exploration	n/a	n/a
	All other major course requirements not listed above (24 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSBA)	ACC120 Managerial Accounting II	ACTG 131 Managerial Accounting	n/a	ACCT 120
	IT223 SQL & Relational Databases	CIS 132 Introduction to Databases	n/a	ITIS 180
	IT335 Python Introduction for Commerce	CIS 117 Python Programming	n/a	ITIS 180
	IT337 JavaScript	CIS 114 JavaScript/A Jax Programming or CIS 129 Frameworks/Server-Side JavaScript	n/a	n/a
	Complete one additional Specialization Course (3 units)	No equivalent courses	n/a	n/a

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Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a
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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, 2021
Date