

Articulation Agreement (2022)

San Francisco Bay University (SFBU) & Merritt 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 Merritt 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	ENGL 1A Composition & Reading	A2/A3	ENGL100/ ENGL110
		ENGL 115 Public Speaking	COMM 45 Public Speaking	A1	COMM 110
		ENGL 425 Modern American Literature	No equivalent courses	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 3A Calculus I	n/a	MATH 210
		MATH 202 Calculus II	MATH 3B Calculus II	n/a	MATH 220
		MATH 203 Linear Algebra	MATH 3E Linear Algebra	n/a	MATH 250
		MATH 208 Probability and Statistics	MATH 13 Introduction to Statistics	n/a	MATH 110
		PHYS 201/201L Physics I with Lab	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 78 Digital Architectures for Computation	n/a	COMP 142
	CS 200 Discrete Logic	CIS 11 Discrete Structures & Logic	n/a	COMP 152
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	CIS 40 Database Management	n/a	n/a
	CS487 Object-Oriented Design and Implementations	CIS 33 Software Architectures & Algorithms	n/a	COMP 132
	P450 Career Development	COUN 57 Career & Life Planning	n/a	n/a
	All other major course requirements not listed above (32 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSCS)	CS470 Network Engineering and Management	CIS 73 Networking Concepts <u>and</u> CIS 106A Routing & Switching Networks	n/a	n/a
	CS 477 Ethical Hacking & Penetration Testing	CIS 55 Hacker Techniques, Exploits & Incident Handling	n/a	n/a
	All other specialization courses not listed above (9 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 Merritt 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 College of Merritt College Course(s) (2020 – 2021 Catalog)	CSU GE Breadth¹ equivalent	C-ID² equivalent
English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENGL 1A Composition & Reading	A2/A3	ENGL100/ ENGL110
	ENGL 115 Public Speaking	COMM 45 Public Speaking	A1	COMM 110
	ENGL 425 Modern American Literature	No equivalent courses	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
Arts & Humanities (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
Mathematics and Natural Sciences (9 semester credits in BSBA)	MATH 208 Probability and Statistics	MATH 13 Introduction to Statistics	n/a	MATH 110
	PHYS 101 Introduction to Physical Sciences	PHYS 4A General Physics with Calculus, 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

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

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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	BUS 1A Financial Accounting <u>or</u> BUS 20 General Accounting	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	CIS 42 Spreadsheet Applications	n/a	n/a
	BLAW310 Introduction to Business Law	BUS 2 Introduction to Business Law	n/a	BUS 125
	ECON 201 Principles of Macroeconomics	ECON 1 Principles of Economics (Macro-Economics)	n/a	ECON 202
	ECON 202 Principles of Microeconomics	ECON 2 Principles of Economics (Micro-Economics)	n/a	ECON 201
	IT221 HTML & CSS Web Page Construction	CS 43 High Performance Web Applications & Services	n/a	n/a
	MGT 310 Principles of Management	BUS 50 Principles of Management	n/a	n/a
	MKT310 Principles of Marketing	BUS 70 Introduction to Marketing	n/a	n/a
	P450 Career Development	COUN 57 Career & Life Planning	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	BUS 1B Managerial Accounting	n/a	ACCT 120
	IT223 SQL & Relational Databases	CIS 40 Database Management	n/a	ITIS 180
	IT335 Python Introduction for Commerce	CS 20 Python Application Programming	n/a	ITIS 180
	IT337 JavaScript	CIS 56 Secure Coding in Java & .NET	n/a	n/a
	All other specialization courses not listed above (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 and Special Projects
SFBU Staff Member (name, title)

January 14, 2022
Date