

## Articulation Agreement (2022)

### San Francisco Bay University (SFBU) & San Jose City 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 San Jose City College Course(s) (2021 – 2022 Catalog)	<a href="#">CSU GE Breadth<sup>1</sup></a> equivalent	<a href="#">C-ID<sup>2</sup></a> equivalent	
<b>General Education Requirements (40 semester Units)</b>	<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL 001A</b> English Composition	A2	ENGL 100
		<b>ENGL 115</b> Public Speaking	<b>COMS 020</b> Oral Communication	A1	COMM110
		<b>ENGL 425</b> Modern American Literature	<b>ENGL 084B</b> Survey of 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
	<b>Mathematics &amp; Natural Sciences</b> (16 semester credits in BSCS)	<b>MATH 201</b> Calculus I	<b>MATH 071</b> Calculus I with Analytic Geometry <b>or</b> <b>MATH 071</b> Honors Calculus I with Analytic Geometry	B4	MATH 210
		<b>MATH 202</b> Calculus II	<b>Math 072</b> Calculus II with Analytic Geometry	B4	MATH 220
		<b>MATH 203</b> Linear Algebra	<b>MATH 079</b> Linear Algebra	B4	MATH 250
		<b>MATH 208</b> Probability and Statistics	<b>MATH 063</b> Elementary Statistics <b>or</b> <b>BUS 060</b> Fundamentals of Business Statistics	B4	MATH 110 n/a
		<b>PHYS 201/201L</b> Physics I with Lab	<b>PHYS 004A</b> General Physics <b>or</b> a CSU GE Breadth designator B1 or B2 course (with a B3 lab) earning 4(+) semester units	B1, B3	PHYS 205
	<b>Arts &amp; Humanities</b> (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
<b>Social Sciences</b> (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a	

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

<sup>2</sup> Courses without a C-ID designator will be evaluated individually

<sup>3</sup> Courses combined to meet unit requirement will be evaluated individually

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### San Francisco Bay University (SFBU) & San Jose City College

Major Course Requirements (65 credits BSCS)				
<b>Core Course Requirements</b> (50 units BSCS)	<b>CS 200</b> Discrete Logic	<b>MATH 070</b> Discrete Mathematics <u>or</u> <b>MATH 080</b> Discrete Structures for Computer Science	B4 B4	COMP 160 COMP 152
	<b>CS230/230L</b> Linux & Shell Scripting/Lab	<b>CIS 157</b> Introduction to Unix/Linux <u>and</u> <b>CIS 158</b> Linux System Administration	n/a	n/a
	<b>CS350/350L</b> Data Structures/Lab	<b>CIS 055</b> Data Structures: Programming <u>and</u> a relevant data organization course/lab <sup>3</sup>	n/a	COMP 132
	<b>CS360/360L</b> Programming in C & C++/Lab	<b>CIS 054</b> C/C++ Programming <u>and</u> a relevant programing language course/lab <sup>3</sup>	n/a	COMP 122
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>CIS 022</b> Database Technology <u>and</u> <b>CIS 037</b> SQL Fundamentals	n/a	n/a
	<b>CS480/480L</b> Java & Internet Applications/ Java Programming Lab	<b>CIS 084</b> Java Programming <u>and</u> a relevant programing language course/lab <sup>3</sup>	n/a	COMP 122
	<b>CS487</b> Object-Oriented Design & Implementations	<b>CIS 059</b> Object Oriented Design & Programming	n/a	n/a
	<b>P450</b> Career Development	<b>GUIDE 096</b> Career & Life Planning	n/a	n/a
	All other major course requirements not listed above (23 units)	No equivalent courses	n/a	n/a
<b>Specialization Course Requirement</b> (15 units BSCS)	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>CIS 164</b> Introduction to Cybersecurity: Ethical Hacking	n/a	ITIS 160
	Complete four additional Specialization Courses (12 units)	No equivalent courses	n/a	n/a
<b>Electives</b>	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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### San Francisco Bay University (SFBU) & San Jose City College

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 San Jose City 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 San Jose City College Course(s) (2021 – 2022 Catalog)	<a href="#">CSU GE Breadth<sup>1</sup></a> equivalent	<a href="#">C-ID<sup>2</sup></a> equivalent	
<b>General Education Requirements (36 semester Units)</b>	<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	ENGL 101 Expository Writing	ENGL 001A English Composition	A2	ENGL 100
		ENGL 115 Public Speaking	COMS 020 Oral Communication	A1	COMM110
		ENGL 425 Modern American Literature	ENGL 084B Survey of 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
	<b>Mathematics &amp; Natural Sciences</b> (9 semester credits in BSBA)	MATH 208 Probability and Statistics	<b>MATH 063</b> Elementary Statistics <u>or</u> <b>BUS 060</b> Fundamentals of Business Statistics	B4 B4	MATH 110 n/a
		<b>PHYS 101</b> Introduction to Physical Sciences	Physical Sciences or Biological Science courses (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
	<b>Arts &amp; Humanities</b> (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
	<b>Social Sciences</b> (9 semester credits)	9 credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

<sup>2</sup> Courses without a C-ID designator will be evaluated individually

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### San Francisco Bay University (SFBU) & San Jose City College

Major Course Requirements (60 credits BSBA)				
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC 110</b> Financial Accounting I	<b>ACCTG 020</b> Financial Accounting	n/a	ACCT 110
	<b>BAN199</b> Excel for Finance, Accounting & Analytics	<b>CA 050D</b> Microsoft Excel Level 1 <b>and</b> <b>CA 055D</b> Microsoft Excel Level 2	n/a	n/a
	<b>BLAW310</b> Introduction to Business Law	<b>BUS 071</b> Legal Environment of Business	n/a	BUS 120
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON 010A</b> Principles of Macroeconomic Theory	D	ECON 202
	<b>ECON202</b> Principles of Microeconomics	<b>ECON 010B</b> Introduction to Microeconomic Theory	D	ECON 201
	<b>IT221</b> HTML & CSS Web Page Construction	<b>CIS 132</b> Creating Web Pages with Html & CSS	n/a	n/a
	<b>MGT310</b> Principles of Management	<b>BUS 113</b> Principles of Management	n/a	n/a
	<b>P450</b> Career Development	<b>GUIDE 096</b> Career & Life Planning	n/a	n/a
	All other major course requirements not listed above (21 units)	No equivalent courses	n/a	n/a
<b>Specialization Course Requirement</b> (15 units BSBA)	<b>ACC120</b> Managerial Accounting II	<b>ACCTG 021</b> Managerial Accounting	n/a	ACCT 120
	<b>IT223</b> SQL & Relational Databases	<b>CIS 037</b> SQL Fundamentals <b>or</b> <b>CIS 122</b> SQL for Data Analytics	n/a	n/a
	<b>IT335</b> Python Introduction for Commerce	<b>CIS 024C</b> Python Programming <b>or</b> <b>CIS 106</b> TechNest 1: Introduction to Computer Coding (Python)	n/a	COMP 122 n/a
	<b>IT337</b> JavaScript	<b>CIS 023</b> JavaScript Programming <b>or</b> <b>CIS 023A</b> Advanced JavaScript Programming	n/a	n/a
	Complete one additional Specialization Course (3 units)	No equivalent courses	n/a	n/a
<b>Electives</b>	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a