

## Articulation Agreement

### San Francisco Bay University (SFBU) & Bakersfield College

#### SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific Bakersfield College Course(s)	<u>CSU GE Breadth</u> <sup>1</sup> equivalent	<u>C-ID</u> <sup>2</sup> 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 B1A</b> Expository Composition <b>or</b> <b>ENGL B1AL</b> Expository Composition with Supplemental Instruction <b>or</b> <b>EMLS B1A</b> Expository Composition <b>or</b> <b>EMLS B1AL</b> Expository Composition with Supplemental Instruction	A2	ENGL100
		<b>ENGL 115</b> Public Speaking	<b>COMM B1</b> Public Speaking	A1	COMM110
		<b>ENGL 425</b> Modern American Literature	<b>ENGL B30A</b> Survey of American Literature <b>or</b> <b>ENGL B30B</b> Survey of American Literature	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 B6A</b> Analytic Geometry/Calculus I	n/a	MATH 210
		<b>MATH 202</b> Calculus II	<b>MATH B6B</b> Analytic Geometry/Calculus II	n/a	MATH 220
		<b>MATH 203</b> Linear Algebra	<b>MATH B6E</b> Elementary Linear Algebra	n/a	MATH 250
		<b>MATH 208</b> Probability and Statistics	<b>MATH B22</b> Elementary Probability & Statistics <b>or</b> <b>MATH B22L</b> Elementary Probability & Statistics w/Lab <b>or</b> <b>PSYC B5</b> Elementary Statistics for the Behavioral & Social Sciences	n/a	MATH 110
<b>PHYS 201/201L</b> Physics I with Lab		<b>PHYS B4A</b> Mechanics & Wave Motion, 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	

<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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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)

SFBU Degree Requirements	Required SFBU course or course category	Specific Bakersfield College Course(s)
Core Course Requirements (50 units BSCS)	<b>BUS450</b> Professional and Technical Writing	<b>ENGL B100</b> Technical Writing
	<b>CE305</b> Computer Organization	<b>COMP B13</b> Computer Architecture & Organization
	<b>CS 200</b> Discrete Logic	<b>COMP B14</b> Discrete Structures
	<b>CS250/250L</b> Introduction to Programming/Lab	<b>COMP B11</b> Programming Concepts & Methodology I <u>and</u> <b>COMP B10</b> Introduction to Programming Concepts & Methodologies Using Python
	<b>CS360/360L</b> Programming in C and C++/Lab	<b>ENGR B19C</b> Introduction to Programming Concepts & Methodologies for Engineers
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>COMP B21</b> Database Systems - Design & Structured Query Language (SQL) <i>Meets requirement for CS 457 but not CS 457L</i>
	<b>P450</b> Career Development	<b>STDV B2</b> Lifelong Learning & Career Planning <u>or</u> <b>STDV B3</b> Career & Life Planning
	All other major course requirements not listed above (28 units)	No equivalent courses
Specialization Course Requirement (15 units BSCS)	<b>CS470</b> Network Engineering and Management	<b>COMP B33</b> CompTIA Networking Technologies - Network+
	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>COMP B36</b> Introduction to Cybersecurity: Ethical Hacking
	<b>CS485</b> JavaScript & Internet Programing	<b>COMP B43</b> Web Design: JavaScript

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	Complete two additional Specialization Courses (6 units)	No equivalent courses
<b>Electives</b>	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 Bakersfield 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 are 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 Bakersfield College Course(s)	<u>CSU GE Breadth</u> <sup>1</sup> equivalent	<u>C-ID</u> <sup>2</sup> equivalent
<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL B1A</b> Expository Composition <u>or</u> <b>ENGL B1AL</b> Expository Composition with Supplemental Instruction <u>or</u> <b>EMLS B1A</b> Expository Composition <u>or</u> <b>EMLS B1AL</b> Expository Composition with Supplemental Instruction	A2	ENGL100
	<b>ENGL 115</b> Public Speaking	<b>COMM B1</b> Public Speaking	A1	COMM110
	<b>ENGL 425</b> Modern American Literature	<b>ENGL B30A</b> Survey of American Literature <u>or</u> <b>ENGL B30B</b> Survey of American Literature	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)	<b>MATH 208</b> Probability and Statistics	<b>MATH B22</b> Elementary Probability & Statistics <u>or</u> <b>MATH B22L</b> Elementary Probability & Statistics w/Lab <u>or</u> <b>PSYC B5</b> Elementary Statistics for the Behavioral & Social Sciences	n/a	MATH 110

<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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		<b>PHYS 101</b> Introduction to Physical Sciences	<b>PHYS B2A</b> General Physics-Mechanics & Heat, 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
	<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

### Major Course Requirements (60 credits BSBA)

SFBU Degree Requirements	Required SFBU course or course category	Specific Bakersfield College Course(s)
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC 110</b> Financial Accounting I	<b>BSAD B1</b> Financial Accounting
	<b>BLAW310</b> Introduction to Business Law	<b>BSAD B18</b> Business Law
	<b>BUS450</b> Professional & Technical Writing	<b>ENGLB 100</b> Technical Writing
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON B2</b> Principles of Economics-Macro
	<b>ECON202</b> Principles of Microeconomics	<b>ECON B1</b> Principles of Economics-Micro
	<b>IT221</b> HTML & CSS Web Page Construction	<b>COMP B42</b> Web Design: HTML & CSS
	<b>MKT310</b> Principles of Marketing	<b>JRNL B5</b> Public Relations
	<b>P450</b> Career Development	<b>STDV B2</b> Lifelong Learning & Career Planning <b>or</b> <b>STDV B3</b> Career & Life Planning
All other major course requirements not listed above (23 units)	No equivalent courses	
	<b>ACC120</b> Managerial Accounting II	<b>BSAD B2</b> Managerial Accounting

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### San Francisco Bay University (SFBU) & Bakersfield College

<b>Specialization Course Requirement</b> (15 units BSBA)	IT223 SQL & Relational Databases	<b>COMP B94</b> Web Design: PHP & MYSQL <u>or</u> <b>COMP B21</b> Database Systems - Design & Structured Query Language (SQL)
	IT335 Python Introduction for Commerce	<b>COMP B10</b> Introduction to Programming Concepts & Methodologies Using Python
	IT337 JavaScript	<b>COMP B43</b> Web Design: JavaScript
	Complete one additional Specialization Course (3 units)	No equivalent courses
<b>Electives</b>	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)

**January 1, 2023**  
Date