

## Articulation Agreement

### San Francisco Bay University (SFBU) & Madera Community 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 Madera Community College Course(s)	<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 1A</b> Reading & Composition <u>or</u> <b>ENGL 1AH</b> Honors Reading & Composition	A2/A3	ENGL100/ ENGL110
	<b>ENGL 115</b> Public Speaking	<b>COMM 1</b> Public Speaking <u>or</u> <b>COMM 1H</b> Honors Public Speaking	A1	COMM 110	
	<b>ENGL 425</b> Modern American Literature	<b>ENGL 43B</b> American Literature: 1877 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	
	<b>Mathematics &amp; Natural Sciences</b> (16 semester credits in BSCS)	<b>MATH 201</b> Calculus I	<b>MATH 5A</b> Analysis I	n/a	MATH 210
		<b>MATH 202</b> Calculus II	<b>MATH 5B</b> Analysis II	n/a	MATH 220
		<b>MATH 203</b> Linear Algebra	<b>MATH 17</b> Differential Equations & Linear Algebra	n/a	MATH 250
		<b>MATH 208</b> Probability and Statistics	<b>MATH 11</b> Elementary Statistics <u>or</u> <b>MATH 11C</b> Elementary Statistics with Support <u>or</u> <b>STAT 7</b> Elementary Statistics <u>or</u> <b>PLS 9</b> Biometrics <u>or</u> <b>PSY 42</b> Statistics for the Behavioral Sciences	n/a	MATH 110
		<b>PHYS 201/201L</b> Physics I with Lab	<b>PHYS 4A</b> Physics for Scientists & Engineers, <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
<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	

<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

## Articulation Agreement

### San Francisco Bay University (SFBU) & Madera Community College

<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
--	-------------------	--	---	-----

Major Course Requirements (65 credits BSCS)		
SFBU Degree Requirements	Required SFBU course or course category	Specific Madera Community College Course(s)
<b>Core Course Requirements</b> (50 units BSCS)	<b>CE305</b> Computer Organization	<b>CSCI 45</b> Computer Organization & Assembly Language Programming
	<b>CS 200</b> Discrete Logic	<b>CSCI 26</b> Discrete Mathematics for Computer Science
	<b>CS350/350L</b> Data Structures/Lab	<b>CSCI 41</b> Programming Concepts & Methodology II
	<b>CS380</b> Operating Systems	<b>IS 60</b> Operating Systems
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>IS 26A</b> Database Concepts & Design <b>and</b> <b>IS 26B</b> Advanced Database Concepts & Design
	<b>CS480/480L</b> Java and Internet Applications/ Java Programming Lab	<b>IS 33</b> Beginning Java Programming <b>or</b> <b>CSCI 5</b> Java Programming
	<b>P450</b> Career Development	<b>COUN 34</b> Career Awareness
	All other major course requirements not listed above (31 units)	No equivalent courses
<b>Specialization Course Requirement</b> (15 units BSCS)	<b>CS470</b> Network Engineering and Management	<b>IS 63</b> Computer Networking I
	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>IS 71</b> Cyber Security: Ethical Hacking
	Complete three additional Specialization Courses (9 units)	No equivalent courses
<b>Electives</b>	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.

## Articulation Agreement

### San Francisco Bay University (SFBU) & Madera Community 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 Madera Community 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 Madera Community 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>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	<b>ENGL 101</b> Expository Writing	<b>ENGL 1A</b> Reading & Composition <u>or</u> <b>ENGL 1AH</b> Honors Reading & Composition	A2/A3	ENGL100/ ENGL110	
	<b>ENGL 115</b> Public Speaking	<b>COMM 1</b> Public Speaking <u>or</u> <b>COMM 1H</b> Honors Public Speaking	A1	COMM 110	
	<b>ENGL 425</b> Modern American Literature	<b>ENGL 43B</b> American Literature: 1877 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	
	<b>Mathematics &amp; Natural Sciences</b> (9 semester credits in BSBA)	<b>MATH 208</b> Probability and Statistics	<b>MATH 11</b> Elementary Statistics <u>or</u> <b>MATH 11C</b> Elementary Statistics with Support <u>or</u> <b>STAT 7</b> Elementary Statistics <u>or</u> <b>PLS 9</b> Biometrics <u>or</u> <b>PSY 42</b> Statistics for the Behavioral Sciences	n/a	MATH 110
		<b>PHYS 101</b> Introduction to Physical Sciences	<b>PHYS 2A</b> General Physics 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	

<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

## Articulation Agreement

### San Francisco Bay University (SFBU) & Madera Community College

<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 Madera Community College Course(s)
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC 110</b> Financial Accounting I	<b>ACCTG 4A</b> Financial Accounting
	<b>BLAW310</b> Introduction to Business Law	<b>BA 18</b> Business Law & The Legal Environment
	<b>BUS450</b> Professional & Technical Writing	<b>BA 5</b> Business Communications
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON 1A</b> Principles of Macroeconomics
	<b>ECON202</b> Principles of Microeconomics	<b>ECON 1B</b> Principles of Microeconomics
	<b>IT221</b> HTML & CSS Web Page Construction	<b>IS 40A</b> Web Development with Html <u>or</u> <b>IS 40B</b> Advanced Web Development
	<b>MGT310</b> Principles of Management	<b>BA 15</b> Introduction to Management
	<b>MKT310</b> Principles of Marketing	<b>MKTG 10</b> Marketing
	<b>P450</b> Career Development	<b>COUN 34</b> Career Awareness
	All other major course requirements not listed above (20 units)	No equivalent courses
<b>Specialization Course Requirement</b> (15 units BSBA)	<b>ACC120</b> Managerial Accounting II	<b>ACCTG 4B</b> Managerial Accounting
	<b>IT223</b> SQL & Relational Databases	<b>IS 26A</b> Database Concepts & Design
	Complete three additional Specialization Courses (9 units)	No equivalent courses
<b>Electives</b>	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.

## Articulation Agreement

### San Francisco Bay University (SFBU) & Madera Community College

---

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