

**Articulation Agreement (2022)**

**San Francisco Bay University (SFBU) & Cosumnes River College**

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

SFBU Degree Requirements	Required SFBU course or course category	Specific Cosumnes River College Course(s) (2021 – 2022 Catalog)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <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>ENGL101</b> Expository Writing	<b>ENGWR 300</b> College Composition <b>or</b> <b>ENGWR 480</b> Honors College Composition <b>or</b> <b>HONOR 375</b> Honors College Composition	A2	ENGL100/ ENGL110
		<b>ENGL115</b> Public Speaking	<b>COMM 301</b> Introduction to Public Speaking	A1	COMM 110
		<b>ENGL425</b> Modern American Literature	<b>ENGLT 321</b> 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>MATH201</b> Calculus I	<b>MATH 400</b> Calculus I	B4	Math 210
		<b>MATH202</b> Calculus II	<b>MATH 401</b> Calculus II	B4	Math 220
		<b>MATH203</b> Linear Algebra	<b>MATH 410</b> Introduction to Linear Algebra	B4	Math 250
		<b>MATH208</b> Probability and Statistics	<b>STAT 300</b> Introduction to Probability & Statistics <b>or</b> <b>STAT 480</b> Introduction to Probability & Statistics – Honors <b>or</b> <b>HONOR 393</b> Introduction to Probability & Statistics – Honors <b>or</b> <b>ECON 310</b> Statistics for Business & Economics	B4	Math 110
		<b>PHYS201/201L</b> Physics I with Lab	<b>PHYS 370</b> Introductory Physics - Mechanics & Thermodynamics <b>or</b> <b>PHYS 411</b> Mechanics of Solids & Fluids <b>or</b> 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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<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
<b>Major Course Requirements (65 credits BSCS)</b>				
<b>Core Course Requirements</b> (50 units BSCS)	<b>BUS450</b> Professional and Technical Writing	<b>ENGWR 341</b> Introduction to Technical & Professional Writing	n/a	BUS 115
	<b>CE305</b> Computer Organization	<b>CISP 310</b> Assembly Language Programming for Microcomputers	n/a	COMP 142
	<b>CS200</b> Discrete Logic	<b>CISP 440</b> Discrete Structures for Computer Science	n/a	COMP 152
	<b>CS230/230L</b> Linux & Shell Scripting/Lab	<b>CISN 303</b> Network Administration - Linux Server <i>(Meets CS230 requirement; CS230L not met)</i>	n/a	n/a
	<b>CS350/350L</b> Data Structures/Lab	<b>CISP 430</b> Data Structures	n/a	COMP 132
	<b>CS360/360L</b> Programming in C and C++/Lab	<b>CISP 400</b> Object Oriented Programming with C++	n/a	COMP 122
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>CISP 351</b> Introduction to Relational Database Design & SQL <b>and</b> <b>CISP 352</b> Intermediate SQL	n/a	n/a
	<b>CS480/480L</b> Java and Internet Applications/Java Programming Lab	<b>CISP 401</b> Object Oriented Programming with Java	n/a	n/a
	<b>P450</b> Career Development	<b>HCD 330</b> Life & Career Planning	n/a	n/a
	All other major course requirements not listed above (21units)	No equivalent courses	n/a	n/a
<b>Specialization Course Requirement</b>	<b>CS 477</b> Ethical Hacking & Penetration Testing	<b>CISS 315</b> Ethical Hacking	n/a	n/a

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(15 units BSCS)	CS485 JavaScript & Internet Programing	CISW 402 Intermediate JavaScript <u>and</u> CISW 400 Client-Side Web Scripting	n/a	n/a
	Complete three additional Specialization Courses (9 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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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 Cosumnes River 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.

<b>SFBU Bachelor of Science in Business Administration (BSBA)</b>					
<b>SFBU Degree Requirements</b>	<b>Required SFBU course or course category</b>	<b>Specific Cosumnes River College Course(s) (2021 – 2022 Catalog)</b>	<b>CSU GE Breadth<sup>1</sup> equivalent</b>	<b>C-ID<sup>2</sup> equivalent</b>	
<b>General Education Requirements (36 semester Units)</b>	<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	<b>ENGL101</b> Expository Writing	<b>ENGWR 300</b> College Composition <b>or</b> <b>ENGWR 480</b> Honors College Composition <b>or</b> <b>HONOR 375</b> Honors College Composition	A2	ENGL100/ ENGL110
		<b>ENGL115</b> Public Speaking	<b>COMM 301</b> Introduction to Public Speaking	A1	COMM 110
		<b>ENGL425</b> Modern American Literature	<b>ENGLT 321</b> 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)	<b>MATH208</b> Probability and Statistics	<b>STAT 300</b> Introduction to Probability & Statistics <b>or</b> <b>STAT 480</b> Introduction to Probability & Statistics – Honors <b>or</b> <b>HONOR 393</b> Introduction to Probability & Statistics – Honors <b>or</b> <b>ECON 310</b> Statistics For Business & Economics	B4	MATH 110
		<b>PHYS101</b> Introduction to Physical Sciences	<b>PHYS 350</b> General Physics 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
	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

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<b>Arts &amp; Humanities</b> (6 semester credits)				
	<b>Social Sciences</b> (9 semester credits)	9 credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D
<b>Major Course Requirements (60 credits BSBA)</b>				
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC110</b> Financial Accounting I	<b>ACCT 301</b> Financial Accounting	n/a	ACCT 110
	<b>BAN199</b> Excel for Finance, Accounting & Analytics	<b>CISA 315</b> Introduction to Electronic Spreadsheets	n/a	n/a
	<b>BLAW310</b> Introduction to Business Law	<b>BUS 340</b> Business Law <u>or</u> <b>BUS 345</b> Law & Society	n/a	BUS 125
	<b>BUS450</b> Professional & Technical Writing	<b>ENGWR 341</b> Introduction to Technical & Professional Writing	n/a	n/a
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON 302</b> Principles of Macroeconomics	D	ECON 202
	<b>ECON202</b> Principles of Microeconomics	<b>ECON 304</b> Principles of Microeconomics	D	ECON 201
	<b>IT221</b> HTML & CSS Web Page Construction	<b>CISW 300</b> Web Publishing	n/a	n/a
	<b>MGT310</b> Principles of Management	<b>MGMT 362</b> Techniques of Management	n/a	n/a
	<b>MKT310</b> Principles of Marketing	<b>MKT 300</b> Principles of Marketing	n/a	n/a
	<b>P450</b> Career Development	<b>HCD 330</b> Life & Career Planning	n/a	n/a
	All other major course requirements not listed above (18 units)	No equivalent courses	n/a	n/a
<b>Specialization Course Requirement</b> (15 units BSBA)	<b>ACC120</b> Managerial Accounting II	<b>ACCT 311</b> Managerial Accounting	n/a	ACCT 120
	<b>CPT401</b> Curricular Practicum	<b>MGMT 498</b> Work Experience in Management <u>or</u> <b>MKT 498</b> Work Experience in Marketing	n/a	n/a
	<b>CPT402</b> Curricular Practicum	<b>MGMT 498</b> Work Experience in Management <u>or</u> <b>MKT 498</b> Work Experience in Marketing	n/a	n/a

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	<b>IT223</b> SQL & Relational Databases	<b>CISP 351</b> Introduction to Relational Database Design & SQL	n/a	ITIS 180
	<b>IT337</b> JavaScript	<b>CISW 400</b> Client-Side Web Scripting	n/a	n/a
	Complete Five Specialization Courses from above	Equivalent Courses Listed Above (15 units)	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

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)

**July 28, 2022**  
Date