

**Transfer Guide (2022)**

**San Francisco Bay University (SFBU) & Sacramento 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 Sacramento City College Course(s) (2021 – 2022 Catalog)	<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>ENGL101</b> Expository Writing	<b>ENGWR 300</b> College Composition <u>or</u> <b>ENGWR 488</b> Honors College Composition & Research	A2/A3	ENGL100/ ENGL110
		<b>ENGL115</b> Public Speaking	<b>COMM 301</b> Introduction to Public Speaking <u>or</u> <b>COMM 481</b> Introduction to Public Speaking - Honors	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	n/a	MATH 210
		<b>MATH202</b> Calculus II	<b>MATH 401</b> Calculus II	n/a	MATH 220
		<b>MATH203</b> Linear Algebra	<b>MATH 410</b> Introduction to Linear Algebra	n/a	MATH 250
		<b>MATH208</b> Probability and Statistics	<b>STAT 300</b> Introduction to Probability & Statistics <u>or</u> <b>STAT 480</b> Introduction to Probability & Statistics – Honors <u>or</u> <b>ECON 310</b> Statistics for Business & Economics	n/a	MATH 110
		<b>PHYS201/201L</b> Physics I with Lab	<b>PHYS 410</b> Mechanics of Solids & Fluids, <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

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<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>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>CISC 320</b> Operating Systems <b>and</b> <b>CISC 323</b> LINUX Operating System <b>and</b> <b>CISC 324</b> Intermediate Linux Operating System <i>(Meets CS230L requirement; SFBU lecture course needed for hour deficiency)</i>	n/a	n/a
	<b>CS250/250L</b> Introduction to Programming/Lab	<b>CISP 360</b> Introduction to Structured Programming	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>CS455</b> Algorithms & Structured Programming	<b>CISP 301</b> Algorithm Design & Implementation	n/a	n/a
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>CISP 350</b> Database Programming <i>(Meets CS457 requirements; CS457L not met)</i>	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>LIBT 110</b> Job Search Skills	n/a	n/a
All other major course requirements not listed above (16 units)	No equivalent courses	n/a	n/a	

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<b>Specialization Course Requirement</b> (15 units BSCS)	<b>CS470</b> Network Engineering and Management	<b>CISN 304</b> Networking Technologies <u>or</u> <b>CISN 308</b> Internetworking with TCP/IP	n/a	n/a
	<b>CS477</b> Ethical Hacking & Penetration Testing	<b>CISS 315</b> Ethical Hacking	n/a	n/a
	<b>CS481</b> Introduction to Data Science	<b>CISP 358</b> Data Analysis	n/a	n/a
	<b>CS485</b> JavaScript & Internet Programing	<b>CISW 400</b> Client-side Web Scripting	n/a	n/a
	Complete one additional Specialization Course (3 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) & Sacramento City College

#### SFBU Bachelor of Science in Business Administration (BSBA)

SFBU Degree Requirements	Required SFBU course or course category	Specific Sacramento 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>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 488</b> Honors College Composition & Research	A2/A3	ENGL100/ ENGL110
	<b>ENGL115</b> Public Speaking	<b>COMM 301</b> Introduction to Public Speaking <b>or</b> <b>COMM 481</b> Introduction to Public Speaking - Honors	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>ECON 310</b> Statistics for Business & Economics	n/a	MATH 110
	<b>PHYS101</b> Introduction to Physical Sciences	<b>PHYS 350</b> General Physics <b>or</b> <b>PHYS 360</b> General Physics <b>or</b> 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

<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>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
<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>ACCT 343</b> Computer Spreadsheet Applications for Accounting <b>or</b> <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 <b>or</b> <b>BUS 345</b> Law & Society	n/a	BUS 125
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON 302</b> Principles of Macroeconomics	n/a	ECON 202
	<b>ECON202</b> Principles of Microeconomics	<b>ECON 304</b> Principles of Microeconomics	n/a	ECON 201
	<b>FIN310</b> Fundamentals of Finance	<b>ECON 330</b> Investments & Financial Management <b>or</b> <b>BUS 325</b> Investments & Financial Management	n/a	n/a
	<b>IT221</b> HTML & CSS Web Page Construction	<b>DDSN 361</b> Web Design I <b>or</b> <b>CISW 306</b> Introduction to Web Page Creation & Web Accessibility <b>or</b> <b>CISW 327</b> Introduction to Web Development Coding HTML & CSS	n/a	n/a
	<b>MGT310</b> Principles of Management	<b>MGMT 304</b> Principles 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>LIBT 110</b> Job Search Skills	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>BUS 498</b> Work Experience in Business <b>or</b> <b>MKT 498</b> Work Experience in Marketing	n/a	ITIS 180
	<b>CPT402</b> Curricular Practicum	<b>BUS 498</b> Work Experience in Business <b>or</b> <b>MKT 498</b> Work Experience in Marketing		

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	<b>IT223</b> SQL & Relational Databases	<b>CISO 350</b> Database Programming	n/a	ITIS 180
	<b>IT337</b> JavaScript	<b>CISW 400</b> Client-Side Web Scripting	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