

Transfer Guide (2022)

San Francisco Bay University (SFBU) & Sierra College

SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific Sierra College Course(s) (2021 – 2022 Catalog)	CSU GE Breadth ¹ equivalent	C-ID ² equivalent	
General Education Requirements (40 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL101 Expository Writing	ENGL 0001A College Reading, Writing & Research	A2/A3	ENGL100/ ENGL110
		ENGL115 Public Speaking	COMM 0001 Fundamentals of Public Speaking	A1	COMM110
		ENGL425 Modern American Literature	ENGL 0030B American Literature - Civil War to The 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
	Mathematics & Natural Sciences (16 semester credits in BSCS)	MATH201 Calculus I	MATH 0030 Analytical Geometry & Calculus I	n/a	MATH 210
		MATH202 Calculus II	MATH 0031 Analytical Geometry & Calculus II	n/a	MATH 220
		MATH203 Linear Algebra	MATH 0033 Differential Equations & Linear Algebra	n/a	MATH 250
		MATH208 Probability and Statistics	MATH 0013 Elementary Statistics or (MATH 0013A Elementary Statistics with Support (Part 1) and MATH 0013B Elementary Statistics with Support (Part 2))	n/a	MATH 110
		PHYS201/201L Physics I with Lab	PHYS 0205 Principles of Physics: Mechanics and PHYS 0205L Principles of Physics Laboratory: Mechanics 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
		6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a

¹ Courses without a CSU GE Breadth Designator will be evaluated individually

² Courses without a C-ID designator will be evaluated individually

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Arts & Humanities (6 semester credits)				
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)				
Core Course Requirements (50 units BSCS)	CE305 Computer Organization	CSCI 0039 Introduction to Computer Architecture & Assembly Language	n/a	COMP 142
	CS200 Discrete Logic	MATH 0015 Discrete Mathematics or CSCI 0026 Discrete Structures for Computer Science	n/a	COMP 152
	CS230/230L Linux & Shell Scripting/Lab	CSCI 0050 Introduction to UNIX/LINUX (<i>Meets CS230 requirement; CS230L not met</i>)	n/a	n/a
	CS250/250L Introduction to Programming/Lab	CSCI 0012 Programming Concepts & Methodology I (<i>Meets CS250 requirement; CS250L not met</i>)	n/a	n/a
	CS350/350L Data Structures/Lab	CSCI 0013 Programming Concepts & Methodology II (<i>Meets CS350 requirement; CS350L not met</i>) or CSCI 0014 Data Structures (<i>Meets CS350 requirement; CS350L not met</i>)	n/a	COMP 132
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	CSCI 0052 Introduction to SQL (<i>Meets CS457 requirement; CS457L not met</i>)	n/a	n/a
	P450 Career Development	PDEV 0006 Career Planning	n/a	n/a
	All other major course requirements not listed above (31 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSCS)	CS470 Network Engineering and Management	IT 0105 Computer Network Fundamentals	n/a	n/a
	CS477 Ethical Hacking & Penetration Testing	IT 0145 Introduction to Cybersecurity: Ethical Hacking	n/a	n/a

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	CS485 JavaScript & Internet Programing	AAD 0090 Interaction Design	n/a	n/a
	Complete two additional Specialization Courses (6 units)	No equivalent courses	n/a	n/a
Electives	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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SFBU Bachelor of Science in Business Administration (BSBA)

SFBU Degree Requirements	Required SFBU course or course category	Specific Sierra College Course(s) (2021 – 2022 Catalog)	CSU GE Breadth ¹ equivalent	C-ID ² equivalent
English Language & Communications & Critical Thinking (12 semester credits)	ENGL101 Expository Writing	ENGL 0001A College Reading, Writing & Research	A2/A3	ENGL100/ ENGL110
	ENGL115 Public Speaking	COMM 0001 Fundamentals of Public Speaking	A1	COMM110
	ENGL425 Modern American Literature	ENGL 0030B American Literature - Civil War to The 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
Mathematics & Natural Sciences (9 semester credits in BSBA)	MATH208 Probability and Statistics	MATH 0013 Elementary Statistics or (MATH 0013A Elementary Statistics with Support (Part 1) and MATH 0013B Elementary Statistics with Support (Part 2))	n/a	MATH 110
	PHYS101 Introduction to Physical Sciences	PHYS 0010 Basic Concepts in Physics or PHYS 0105 General Physics I 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
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 (9 semester credits)	9 credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

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Major Course Requirements (60 credits BSBA)				
Core Course Requirements (45 credits BSBA)	ACC110 Financial Accounting I	BUS 0201 Financial Accounting I and BUS 0202 Financial Accounting II	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	BUS 0252 Excel for Business Applications	n/a	n/a
	BLAW310 Introduction to Business Law	BUS 0270 Business Law	n/a	BUS 125
	ECON201 Principles of Macroeconomics	ECON 0001A Principles of Macroeconomics	n/a	ECON 202
	ECON202 Principles of Microeconomics	ECON 0001B Principles of Microeconomics	n/a	ECON 201
	IT221 HTML & CSS Web Page Construction	CSCI 0059P Web Programming with PHP or CSCI 0062 Web Programming I or AAD 0085 Introduction to Web Design	n/a	n/a
	MKT310 Principles of Marketing	BUS 0280 Introduction to Marketing	n/a	n/a
	P450 Career Development	PDEV 0006 Career Planning	n/a	n/a
	All other major course requirements not listed above (24 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSBA)	ACC120 Managerial Accounting II	BUS 0203 Managerial Accounting	n/a	ACCT 120
	CPT401 Curricular Practicum	BUS 0095 Internship in Business	n/a	n/a
	CPT402 Curricular Practicum	BUS 0095 Internship in Business	n/a	n/a
	IT223 SQL & Relational Databases	CSCI 0052 Introduction to SQL	n/a	ITIS 180
	IT335 Python Introduction for Commerce	IT 0075 Python for Many Uses	n/a	ITIS 180
	Complete one additional Specialization Courses (3 units)	No equivalent courses	n/a	n/a
Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a