Transfer Guide (2022)

San Francisco Bay University (SFBU) & Foothill College

SFBU Bachelor of Science in Computer Science (BSCS)				
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Foothill 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)	**ENGL 101** Expository Writing	**ENGL 1A** Composition & Reading **or** **ENGL 1AH** Honors Composition & Reading	A2/A3	ENGL100/ ENGL110
	ENGL 115 Public Speaking	**COMM 1A** Public Speaking **or** **COMM 1AH** Honors Public Speaking	A1	COMM 110
	ENGL 425 Modern American Literature	**ENGL 45B** Survey of American Literature II: 1865 To the Present **or ENGL 45BH** Honors Survey of American Literature II: 1865 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)	**MATH 201** Calculus I	**MATH 1A** Calculus **or** **MATH 1AH** Honors Calculus I	n/a	MATH 210
	MATH 202 Calculus II	**MATH 1B** Calculus **or MATH 1BH** Honors Calculus II	n/a	MATH 220
	MATH 203 Linear Algebra	**MATH 2B** Linear Algebra	n/a	MATH 250
	MATH 208 Probability and Statistics	**MATH 10** Elementary Statistics	n/a	MATH 110
	PHYS 201/201L Physics I with Lab	**PHYS 4A** General Physics (Calculus), **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
Arts & Humanities (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a

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[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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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)	**BUS450** Professional and Technical Writing	**ENGL 50C** Technical Writing	n/a	BUS 115
	CE305 Computer Organization	**C S 10** Computer Architecture & Organization	n/a	COMP 142
	CS 200 Discrete Logic	**MATH 22** Discrete Mathematics **or** **MATH 22** Discrete Mathematics	n/a	COMP 152
	CS230/230L Linux & Shell Scripting/Lab	**C S 30A** Introduction to Linux **and** **C S 30B** Linux Shell Programming	n/a	n/a
	CS250/250L Introduction to Programming/Lab	**C S 3A** Object-Oriented Programming Methodologies in Python **and C S 21A** Python for Programmers	n/a	n/a
	CS350/350L Data Structures/Lab	**C S 1M** Intermediate Algorithm & Data Structure Methodologies in Java **and** (**C S 2M** Intermediate Algorithm & Data Structure Methodologies in C++ **or C S 3M** Intermediate Algorithm & Data Structure Methodologies in Python)	n/a	COMP 132
	CS360/360L Programming in C and C++/Lab	**C S 2A** Object-Oriented Programming Methodologies in C++ *Meets CS360 requirement; CS360L requirement not met*	n/a	COMP 122
	CS455 Algorithms & Structured Programming	**C S 1C** Advanced Data Structures & Algorithms in Java, **or C S 2C** Advanced Data Structures & Algorithms in C++, **or C S 3C** Advanced Data Structures & Algorithms in Python	n/a	n/a
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	**C S 31A** Introduction to Database Management Systems *Meets CS360 requirement; CS360L requirement not met*	n/a	n/a

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	CS480/480L Java and Internet Applications/ Java Programming Lab	**C S 1A** Object-Oriented Programming Methodologies in Java	n/a	n/a
	CS487 Object-Oriented Design and Implementations	**C S 21B** Intermediate Python Programming	n/a	COMP 132
	P450 Career Development	**CRLP 7** Self-Assessment	n/a	n/a
	All other major course requirements not listed above (12 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSCS)	**CS470** Network Engineering and Management	**C S 50A** Network Basics (CCNA)	n/a	n/a
	CS 477 Ethical Hacking & Penetration Testing	**C S 53C** Ethical Hacking	n/a	n/a
	CS485 JavaScript & Internet Programing	**C S 22A** Javascript for Programmers	n/a	n/a
	Complete two additional Specialization Courses (15 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

San Francisco Bay University (SFBU) & Foothill College

SFBU Bachelor of Science in Business Administration (BSBA)				
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Foothill College Course(s) (2021 – 2022 Catalog)**	**CSU GE Breadth[1] equivalent**	**C-ID[2] equivalent**
English Language & Communications & Critical Thinking (12 semester credits)	**ENGL 101** Expository Writing	**ENGL 1A** Composition & Reading **or** **ENGL 1AH** Honors Composition & Reading	A2/A3	ENGL100/ ENGL110
	ENGL 115 Public Speaking	**COMM 1A** Public Speaking **or** **COMM 1AH** Honors Public Speaking	A1	COMM 110
	ENGL 425 Modern American Literature	**ENGL 45B** Survey of American Literature II: 1865 To the Present **or ENGL 45BH** Honors Survey of American Literature II: 1865 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)	**MATH 208** Probability and Statistics	**MATH 10** Elementary Statistics	n/a	MATH 110
	PHYS 101 Introduction to Physical Sciences	Any course with a CSU GE Breadth designator B1, B2, B3, and/or B4	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
Major Course Requirements (60 credits BSBA)				

General Education Requirements (36 semester Units)

[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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Core Course Requirements (45 credits BSBA)	ACC 110 Financial Accounting I	ACTG 1A Financial Accounting I	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	MATH 67 Enhanced Mathematics Learning with Mathematica	n/a	n/a
	BLAW310 Introduction to Business Law	BUSI 18 Business Law I	n/a	BUS 125
	BUS450 Professional & Technical Writing	ENGL 50C Technical Writing	n/a	n/a
	ECON201 Principles of Macroeconomics	ECON 1A Principles of Macroeconomics	n/a	ECON 202
	ECON202 Principles of Microeconomics	ECON 1B Principles of Microeconomics	n/a	ECON 201
	FIN310 Fundamentals of Finance	BUSI 60 Fundamentals of Finance	n/a	n/a
	IT221 HTML & CSS Web Page Construction	GID 57 Website Design & Development II, **or** GID 58 Web Design & Development III, **or** GID 77 Advanced Website Design & Development**	n/a	n/a
	MGT310 Principles of Management	BUSI 90A Principles of Management	n/a	n/a
	MKT310 Principles of Marketing	BUSI 59 Principles of Marketing**	n/a	n/a
	P450 Career Development	CRLP 7 Self-Assessment	n/a	n/a
	All other major course requirements not listed above (15 units)	No equivalent courses	n/a	n/a
Specialization Course Requirement (15 units BSBA)	ACC120 Managerial Accounting II	ACTG 1B Financial Accounting II **or** ACTG 1BH Honors Financial Accounting	n/a	ACCT 120
	IT223 SQL & Relational Databases	C S 31A Introduction to Database Management Systems **or** CS 84B Database-Drive WEB Application Development	n/a	ITIS 180
	IT335 Python Introduction for Commerce	C S 3A Object-Oriented Programming Methodologies in Python **or** C S 21A Python for Programmers	n/a	ITIS 180
	IT337 JavaScript	C S 22A Javascript for Programmers	n/a	n/a
	Complete one additional Specialization Course (3 units)	No equivalent courses	n/a	n/a

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Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a

**Transferred course may be deficient in units transferred, the deficiency can be fulfilled by (a) transfer of a similar course, or (b) by an NPU course as determined during the admissions evaluation.