Transfer Guide (2022)

San Francisco Bay University (SFBU) & Cerritos College

SFBU Bachelor of Science in Computer Science (BSCS)				
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerritos 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 100** Freshman Composition **or** **ENGL 100S** Enhanced Freshman Composition	A2	ENGL100
		ENGL115 Public Speaking	**COMM 130** Public Speaking	A1	COMM110
		ENGL425 Modern American Literature	**ENGL 230B** Introduction to American Literature	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 170** Analytic Geometry & Calculus I	n/a	MATH 210
		MATH202 Calculus II	**MATH 190** Analytic Geometry & Calculus II	n/a	MATH 220
		MATH203 Linear Algebra	**MATH 250** Linear Algebra & Differential Equations	n/a	MATH 250
		MATH208 Probability and Statistics	**MATH 112** Elementary Statistics **or** **PSYC 210** Elementary Statistics	n/a	MATH 110
		PHYS201/201L Physics I with Lab	**PHYS 201** Engineering Physics **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
	Social Sciences (6 semester credits)	6 credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D	D	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

Transfer Guide (2022)

San Francisco Bay University (SFBU) & Cerritos College

Major Course Requirements (65 credits BSCS)		
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerritos College Course(s) (2021 – 2022 Catalog)**
Core Course Requirements (50 units BSCS)	**BUS450** Professional and Technical Writing	**ENG 155** Technical Writing
	CE305 Computer Organization	**CIS 231** Computer Organization & Assembly Language Programming
	CS200 Discrete Logic	**CIS 185** Discrete Structures **or** **MATH 160** Discrete Mathematics
	CS250/250L Introduction to Programming/Lab	**CIS 181** Python Programming *(Meets requirement for CS250L; SFBU Lecture course required for 0.5-unit difference)*
	CS350/350L Data Structures/Lab	**CIS 292** Data Structures
	CS360/360L Programming in C and C++/Lab	**CIS 180** Programming In C/C++ *Meets requirement for CS260L; SFBU Lecture course required for 0.5-unit difference)* **or** **CIS 280** Object-Oriented Programming in C++ *(Meets CS360 requirement; CS360L requirement not met)* **or** **CIS 180** Programming in C/C++ **and** **CIS 280** Object-Oriented Programming in C++
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	**CIS 207** Database Design & SQL *(Meets requirement for CS457L; SFBU Lecture course required for 0.5-unit difference)* **or** **CIS 208A** Oracle SQL & PL/SQL *(Meets requirement for CS457L; SFBU Lecture course required for 0.5-unit difference)*

	CS480/480L Java and Internet Applications/ Java Programming Lab	**CIS 183** Java Programming *(Meets requirement for CS480L; SFBU Lecture course required for 0.5-unit difference)* **or** **CIS 282** Advanced Java Programming *(Meets requirement for CS480L; SFBU Lecture course required for 0.5-unit difference)*
	P450 Career Development	**COUN 210** Job Search Strategies **or** **BCOT 152** Employment Search in the Job Market
	All other major course requirements not listed above (23 units)	No equivalent courses
Specialization Course Requirement (15 units BSCS)	**CS470** Network Engineering and Management	**CIS 170H** TCP/IP Fundamentals
	CS477 Ethical Hacking & Penetration Testing	**CIS 170P** Introduction to Ethical Hacking
	CS485 JavaScript & Internet Programing	**CIS 164** JavaScript Programming
	Complete two additional Specialization Courses (6 units)	No equivalent courses
Electives	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.

San Francisco Bay University (SFBU) & Cerritos College

SFBU Bachelor of Science in Business Administration (BSBA)				
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerritos College Course(s) (2021 – 2022 Catalog)**	**CSU GE Breadth[1] equivalent**	**C-ID[2] equivalent**
General Education Requirements (36 semester Units)	**English Language & Communications & Critical Thinking** (12 semester credits)	**ENGL101** Expository Writing	**ENGL 100** Freshman Composition **or** **ENGL 100S** Enhanced Freshman Composition	A2	ENGL100
		ENGL115 Public Speaking	**COMM 130** Public Speaking **or** **BA 156** Motivational Presentation Skills for Managers	A1	COMM110
		ENGL425 Modern American Literature	**ENGL 230B** Introduction to American Literature	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 & Statistics	**MATH 112** Elementary Statistics **or** **PSYC 210** Elementary Statistics	n/a	MATH 110
		PHYS 101 Introduction to Physical Sciences	**PHYS 101** 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
	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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[1] Courses without a CSU GE Breadth Designator will be evaluated individually

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

Transfer Guide (2022)

San Francisco Bay University (SFBU) & Cerritos College

Major Course Requirements (60 credits BSBA)		
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerritos College Course(s)** **(2021 – 2022 Catalog)**
Core Course Requirements (45 credits BSBA)	**ACC110** Financial Accounting I	**ACCT 101** Fundamentals of Accounting I
	BAN199 Excel for Finance, Accounting & Analytics	**BCOT 113** Microsoft Excel **or** **CIS151** Microsoft Excel for Information Systems/ Information Technology
	BLAW310 Introduction to Business Law	**BA 113** Legal Environment of Business **or** **LAW 111** Business Law
	BUS450 Professional & Technical Writing	**ENG 155** Technical Writing
	ECON201 Principles of Macroeconomics	**ECON 201M** Principles of Macroeconomics
	ECON202 Principles of Microeconomics	**ECON 202M** Principles of Microeconomics
	IT221 HTML & CSS Web Page Construction	**CIS 162** HTML & CSS
	MGT310 Principles of Management	**BA 115** Management Business
	MKT310 Principles of Marketing	**BA 114** Marketing
	P450 Career Development	**COUN 210** Job Search Strategies **or** **BCOT 152** Employment Search in the Job Market
	All other major course requirements not listed above (18 units)	No equivalent courses
Specialization Course Requirement (15 units BSBA)	**ACC120** Managerial Accounting II	**ACCT 102** Fundamentals of Accounting II
	CPT401 Curricular Practicum	**ACCT 171** Accounting Work Experience **or** **BA 171** Business Administration Occupational Work Experience
	CPT402 Curricular Practicum	**ACCT 171** Accounting Work Experience **or** **BA 171** Business Administration Occupational Work Experience
	IT223 SQL & Relational Databases	**CIS 207** Database Design & SQL **or** **CIS 208A** Oracle SQL & PL/SQL

San Francisco Bay University (SFBU) & Cerritos College

	IT335 Python Introduction for Commerce	**CIS 181** Python Programming
	IT337 JavaScript	**CIS 164** JavaScript Programming
	Complete Five Specialization Courses from above (15 units)	Equivalent courses listed above
Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.