

Articulation Agreement

San Francisco Bay University (SFBU) & Cuyamaca College

SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific Cuyamaca College Course(s)	<u>CSU GE Breadth</u> ¹ equivalent	<u>C-ID</u> ² equivalent	
General Education Requirements (40 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL101 Expository Writing	ENGL 120 College Composition & Reading	A2	ENGL100
		ENGL115 Public Speaking	COMM 122 Public Speaking or COMM 123 Advanced Public Speaking	A1	COMM110
		ENGL425 Modern American Literature	ENGL 232 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
	Mathematics & Natural Sciences (16 semester credits in BSCS)	MATH201 Calculus I	MATH 180 Analytic Geometry & Calculus I	n/a	MATH 210
		MATH202 Calculus II	MATH 280 Analytic Geometry & Calculus II	n/a	MATH 220
		MATH203 Linear Algebra	MATH 284 Linear Algebra	n/a	MATH 250
		MATH208 Probability and Statistics	MATH 160 Elementary Statistics	n/a	MATH 110
		PHYS201/201L Physics I with Lab	PHYC 190 Mechanics & Heat 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

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San Francisco Bay University (SFBU) & Cuyamaca College

Major Course Requirements (65 credits BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific Cuyamaca College Course(s)
Core Course Requirements (50 units BSCS)	CE305 Computer Organization	CS 165 Assembly Language & Machine Architecture
	CS200 Discrete Logic	CS 240 Discrete Structures or MATH 245 Discrete Mathematics
	CS230/230L Linux & Shell Scripting/Lab	CIS 191 Linux Operating System and CIS 291 Linux System Administration
	CS350/350L Data Structures/Lab	CS 282 Intermediate Java Programming & Fundamental Data Structures or CS 281 Intermediate C++ Programming & Fundamental Data Structures
	CS360/360L Programming in C and C++/Lab	CS 181 Introduction to C++ Programming
	CS480/480L Java and Internet Applications/ Java Programming Lab	CS 182 Introduction to Java Programming
	P450 Career Development	COUN 110 Career Decision Making
	All other major course requirements not listed above (21 units)	No equivalent courses
Specialization Course Requirement (15 units BSCS)	CS470 Network Engineering and Management	CIS 201 Cisco Academy – Introduction to Networking
	CS477 Ethical Hacking & Penetration Testing	CIS 264 Ethical Cybersecurity Hacking
	CS485 JavaScript & Internet Programing	CIS 215 JavaScript Web 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.

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San Francisco Bay University (SFBU) & Cuyamaca College

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 Cuyamaca 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.

SFBU Bachelor of Science in Business Administration (BSBA)					
	SFBU Degree Requirements	Required SFBU course or course category	Specific Cuyamaca College Course(s)	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 120 College Composition & Reading	A2	ENGL100
		ENGL115 Public Speaking	COMM 122 Public Speaking <u>or</u> COMM 123 Advanced Public Speaking	A1	COMM110
		ENGL425 Modern American Literature	ENGL 232 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
	Mathematics & Natural Sciences (9 semester credits in BSBA)	MATH208 Probability & Statistics	MATH 160 Elementary Statistics	n/a	MATH 110
		PHYS 101 Introduction to Physical Sciences	PHYC 130 Fundamentals of Physics <u>or</u> 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

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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San Francisco Bay University (SFBU) & Cuyamaca College

Major Course Requirements (60 credits BSBA)		
SFBU Degree Requirements	Required SFBU course or course category	Specific Cuyamaca College Course(s)
Core Course Requirements (45 credits BSBA)	ACC110 Financial Accounting I	BUS 120 Financial Accounting
	BAN199 Excel for Finance, Accounting & Analytics	BOT 123 Comprehensive Excel, Level 1 or BOT 124 Comprehensive Excel, Level II
	BLAW310 Introduction to Business Law	BUS 125 Business Law: Legal Environment of Business
	ECON201 Principles of Macroeconomics	ECON 120 Principles of Macroeconomics
	ECON202 Principles of Microeconomics	ECON 121 Principles of Microeconomics
	MGT310 Principles of Management	BUS 156 Principles of Management
	MKT221 HTML & CSS Web Page Construction	CIS 211 Web Development I
	P450 Career Development	COUN 110 Career Decision Making
	All other major course requirements not listed above (24 units)	No equivalent courses
Specialization Course Requirement (15 units BSBA)	ACC110L Financial Accounting Lab and ACC120L Managerial Accounting Lab	BUS 176 Computerized Accounting Applications
	ACC120 Managerial Accounting II	BUS 121 Managerial Accounting
	CPT401 Curricular Practicum	BUS 161 Business Internship
	CPT402 Curricular Practicum	BUS 161 Business Internship
	BAN223 SQL & Relational Databases	CIS 140 Databases or CIS 219 PHP/MYSQL Dynamic Web-Based Applications
	BAN337 JavaScript	CIS 215 JavaScript Web Programming
	Complete on additional Specialization Course (3 units)	No equivalent courses
Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.