

Articulation Agreement (2022)

San Francisco Bay University (SFBU) & Cerro Coso Community 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 Cerro Coso Community College Course(s) (2021 – 2022 Catalog)	CSU GE Breadth¹ equivalent	C-ID² equivalent	
General Education Requirements (40 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENGL C101 Freshman Composition	A2/A3	ENGL100/ ENGL110
	ENGL 115 Public Speaking	No equivalent courses	A1	COMM 110	
	ENGL 425 Modern American Literature	ENGL C242 Survey of American Literature II: 1865–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 C151 Analytic Geometry & Calculus I	n/a	MATH 210
		MATH 202 Calculus II	MATH C152 Analytic Geometry & Calculus II	n/a	MATH 220
		MATH 203 Linear Algebra	MATH C257 Linear Algebra	n/a	MATH 250
		MATH 208 Probability and Statistics	MATH C121 Elementary Probability & Statistics or MATH C121H Elementary Probability & Statistics: Honors	n/a	MATH 110
		PHYS 201/201L Physics I with Lab	PHYS C111 Mechanics, or PHYS C113 Electricity & Magnetism, or PHYS C211 Waves, Optics & Modern Physics, or A CSU GE Breadth designator B1 or B2 course (with B3 for lab) earning 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

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	BSAD C 145 Business Communication	n/a	BUS 115
	CE305 Computer Organization	CSCI C257 Computer Architecture & Organization	n/a	COMP 142
	CS 200 Discrete Logic	CSCI C255 Discrete Structures	n/a	COMP 152
	CS360/360L Programming in C and C++/Lab	CSCI C265 Introductory C++ Programming	n/a	COMP 122
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	IT C270 Introduction to Database Design / Management and a relevant data organization course/lab ³	n/a	n/a
	CS480/480L Java and Internet Applications/ Java Programming Lab	CSCI C267 Introduction to Java Programming and a relevant programming language course/lab ³	n/a	n/a
	CS487 Object-Oriented Design and Implementations	CSCI C254 Object Oriented Programming	n/a	COMP 132
	P450 Career Development	COLL C100 Student Success Career Pathway	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 BSCS)	CS 477 Ethical Hacking & Penetration Testing	IT C255 Introduction to Cybersecurity: Ethical Hacking	n/a	n/a
	CS485 JavaScript & Internet Programming	DMA C211 Web Scripting with JavaScript	n/a	n/a
	Complete three additional Specialization Courses (9 units)	No equivalent courses	n/a	n/a

³ Courses combined to meet unit requirement will be evaluated individually

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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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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 Cerro Coso Community 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 Cerro Coso Community College Course(s) (2021 – 2022 Catalog)	CSU GE Breadth¹ equivalent	C-ID² equivalent
English Language & Communications & Critical Thinking (12 semester credits)	ENGL 101 Expository Writing	ENGL C101 Freshman Composition	A2/A3	ENGL100/ ENGL110
	ENGL 115 Public Speaking	No equivalent courses	A1	COMM 110
	ENGL 425 Modern American Literature	ENGL C242 Survey of American Literature II: 1865–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 C121 Elementary Probability & Statistics or MATH C121H Elementary Probability & Statistics: Honors	n/a	MATH 110
	PHYS 101 Introduction to Physical Sciences	Physical Sciences or Biological Sciences courses (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

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 (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)				
Core Course Requirements (45 credits BSBA)	ACC 110 Financial Accounting I	BSAD C101 Financial Accounting	n/a	ACCT 110
	BAN199 Excel for Finance, Accounting & Analytics	BSOT C153 Intermediate Excel and BSOT C163 Advanced Excel	n/a	n/a
	BLAW310 Introduction to Business Law	BSAD C131 Business Law	n/a	BUS 125
	BUS450 Professional & Technical Writing	BSAD C145 Business Communication	n/a	n/a
	ECON201 Principles of Macroeconomics	ECON C102 Macroeconomics	n/a	ECON 202
	ECON202 Principles of Microeconomics	ECON C103 Microeconomics	n/a	ECON 201
	IT221 HTML & CSS Web Page Construction	DMA C117 Web Design	n/a	n/a
	MGT310 Principles of Management	BSAD C251 Principles of Management & Organizations	n/a	n/a
	MKT310 Principles of Marketing	BSAD C171 Introduction to Marketing	n/a	n/a
	P450 Career Development	COLL C100 Student Success Career Pathway	n/a	n/a
All other major course requirements not listed above (21 units)	No equivalent courses	n/a	n/a	
Specialization Course Requirement (15 units BSBA)	ACC120 Managerial Accounting II	BSAD C102 Managerial Accounting	n/a	ACCT 120
	IT223 SQL & Relational Databases	DMA C213 Web Development with Php & MySQL	n/a	ITIS 180
	IT335 Python Introduction for Commerce	DMA C214 Web Development with Python	n/a	ITIS 180
	IT337 JavaScript	DMA C211 Web Scripting with JavaScript	n/a	n/a
	Complete one additional Specialization Courses (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
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This agreement will automatically renew each year. In the event of significant curriculum change, SFBU staff is responsible for updating the agreement.

Monica Sinha, Director of Admissions & Special Projects

SFBU Staff Member (name, title)

January 18, 2022

Date