San Francisco Bay University (SFBU) & Cerro Coso Community College

SFBU Bachelor of Science in Computer Science (BSCS)				
	SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerro Coso Community College Course(s)**	**CSU GE Breadth[1] equivalent**	**C-ID[2] equivalent**

		Required SFBU course or course category	**Specific Cerro Coso Community College Course(s)**	**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 C101** Freshman Composition	A2	ENGL100
		ENGL 115 Public Speaking	No equivalent courses	A1	COMM110
		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

Articulation Agreement

San Francisco Bay University (SFBU) & Cerro Coso Community College

	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)		
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerro Coso College Course(s)**
Core Course Requirements (50 units BSCS)	**BUS450** Professional and Technical Writing	**BSAD C 145** Business Communication
	CE305 Computer Organization	**CSCI C257** Computer Architecture & Organization
	CS 200 Discrete Logic	**CSCI C255** Discrete Structures
	CS360/360L Programming in C and C++/Lab	**CSCI C265** Introductory C++ Programming
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	**IT C270** Introduction to Database Design / Management **and** a relevant data organization course/lab[3]
	CS480/480L Java and Internet Applications/ Java Programming Lab	**CSCI C267** Introduction to Java Programming **and** a relevant programing language course/lab[3]
	CS487 Object-Oriented Design and Implementations	**CSCI C254** Object Oriented Programming
	P450 Career Development	**COLL C100** Student Success Career Pathway
	All other major course requirements not listed above (24 units)	No equivalent courses
Specialization Course Requirement (15 units BSCS)	**CS 477** Ethical Hacking & Penetration Testing	**IT C255** Introduction to Cybersecurity: Ethical Hacking
	CS485 JavaScript & Internet Programing	**DMA C211** Web Scripting with JavaScript
	Complete three additional Specialization Courses (9 units)	No equivalent courses
Electives	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.

---

[3] Courses combined to meet unit requirement will be evaluated individually

Articulation Agreement

San Francisco Bay University (SFBU) & Cerro Coso Community 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 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 are 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 Breadth[1] equivalent**	**C-ID[2] equivalent**
English Language & Communications & Critical Thinking (12 semester credits)	**ENGL 101** Expository Writing	**ENGL C101** Freshman Composition	A2	ENGL100
	ENGL 115 Public Speaking	No equivalent courses	A1	COMM110
	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
Social Sciences (9 semester credits)	9 credits in area	9 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a

(Left vertical label: 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

Articulation Agreement

San Francisco Bay University (SFBU) & Cerro Coso Community College

Major Course Requirements (60 credits BSBA)		
SFBU Degree Requirements	**Required SFBU course or course category**	**Specific Cerro Coso College Course(s)**
Core Course Requirements (45 credits BSBA)	**ACC 110** Financial Accounting I	**BSAD C101** Financial Accounting
	BAN199 Excel for Finance, Accounting & Analytics	**BSOT C153** Intermediate Excel **and** **BSOT C163** Advanced Excel
	BLAW310 Introduction to Business Law	**BSAD C131** Business Law
	BUS450 Professional & Technical Writing	**BSAD C145** Business Communication
	ECON201 Principles of Macroeconomics	**ECON C102** Macroeconomics
	ECON202 Principles of Microeconomics	**ECON C103** Microeconomics
	IT221 HTML & CSS Web Page Construction	**DMA C117** Web Design
	MGT310 Principles of Management	**BSAD C251** Principles of Management & Organizations
	MKT310 Principles of Marketing	**BSAD C171** Introduction to Marketing
	P450 Career Development	**COLL C100** Student Success Career Pathway
	All other major course requirements not listed above (21 units)	No equivalent courses
Specialization Course Requirement (15 units BSBA)	**ACC120** Managerial Accounting II	**BSAD C102** Managerial Accounting
	IT223 SQL & Relational Databases	**DMA C213** Web Development with Php & MySQL
	IT335 Python Introduction for Commerce	**DMA C214** Web Development with Python
	IT337 JavaScript	**DMA C211** Web Scripting with JavaScript
	Complete one additional Specialization Courses (3 units)	No equivalent courses
Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.

<center>**Articulation Agreement**</center>

<center>**San Francisco Bay University (SFBU) & Cerro Coso Community College**</center>

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   **January 1, 2023**
SFBU Staff Member (name, title)   Date