

Articulation Agreement

San Francisco Bay University (SFBU) & Sacramento City College

SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific Sacramento City College Course(s)	CSU GE Breadth¹ equivalent	C-ID² equivalent	
General Education Requirements (40 semester Units)	English Language & Communications & Critical Thinking (12 semester credits)	ENGL101 Expository Writing	ENGWR 300 College Composition <u>or</u> ENGWR 488 Honors College Composition & Research	A2	ENGL100
	ENGL115 Public Speaking	COMM 301 Introduction to Public Speaking <u>or</u> COMM 481 Introduction to Public Speaking - Honors	A1	COMM 110	
	ENGL425 Modern American Literature	ENGLT 321 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 400 Calculus I	n/a	MATH 210
	MATH202 Calculus II	MATH 401 Calculus II	n/a	MATH 220	
	MATH203 Linear Algebra	MATH 410 Introduction to Linear Algebra	n/a	MATH 250	
	MATH208 Probability and Statistics	STAT 300 Introduction to Probability & Statistics <u>or</u> STAT 480 Introduction to Probability & Statistics – Honors <u>or</u> ECON 310 Statistics for Business & Economics	n/a	MATH 110	
	PHYS201/201L Physics I with Lab	PHYS 410 Mechanics of Solids & Fluids, <u>or</u> 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	
	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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Arts & Humanities (6 semester credits)				
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)	CE305 Computer Organization	CISP 310 Assembly Language Programming for Microcomputers
	CS200 Discrete Logic	CISP 440 Discrete Structures for Computer Science
	CS230/230L Linux & Shell Scripting/Lab	CISC 320 Operating Systems and CISC 323 LINUX Operating System and CISC 324 Intermediate Linux Operating System (<i>Meets CS230L requirement; SFBU lecture course needed for hour deficiency</i>)
	CS250/250L Introduction to Programming/Lab	CISP 360 Introduction to Structured Programming
	CS350/350L Data Structures/Lab	CISP 430 Data Structures
	CS360/360L Programming in C and C++/Lab	CISP 400 Object Oriented Programming with C++
	CS455 Algorithms & Structured Programming	CISP 301 Algorithm Design & Implementation
	CS457/457L Data Modeling & Implementation Tech/Database Technologies Lab	CISP 350 Database Programming (<i>Meets CS457 requirements; CS457L not met</i>)
	CS480/480L Java and Internet Applications/ Java Programming Lab	CISP 401 Object Oriented Programming with Java
	P450 Career Development	LIBT 110 Job Search Skills
All other major course requirements not listed above (16 units)	No equivalent courses	
Specialization Course Requirement	CS470 Network Engineering and Management	CISN 304 Networking Technologies or CISN 308 Internetworking with TCP/IP

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(15 units BSCS)	CS477 Ethical Hacking & Penetration Testing	CISS 315 Ethical Hacking
	CS481 Introduction to Data Science	CISP 358 Data Analysis
	CS485 JavaScript & Internet Programing	CISW 400 Client-side Web Scripting
	Complete one additional Specialization Course (3 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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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 Sacramento City 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 Sacramento City 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	ENGWR 300 College Composition <u>or</u> ENGWR 488 Honors College Composition & Research	A2	ENGL100
		ENGL115 Public Speaking	COMM 301 Introduction to Public Speaking <u>or</u> COMM 481 Introduction to Public Speaking - Honors	A1	COMM 110
		ENGL425 Modern American Literature	ENGLT 321 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 and Statistics	STAT 300 Introduction to Probability & Statistics <u>or</u> STAT 480 Introduction to Probability & Statistics – Honors <u>or</u> ECON 310 Statistics for Business & Economics	n/a	MATH 110
		PHYS101 Introduction to Physical Sciences	PHYS 350 General Physics <u>or</u> PHYS 360 General 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

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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)		
Core Course Requirements (45 credits BSBA)	ACC110 Financial Accounting I	ACCT 301 Financial Accounting
	BAN199 Excel for Finance, Accounting & Analytics	ACCT 343 Computer Spreadsheet Applications for Accounting <u>or</u> CISA 315 Introduction to Electronic Spreadsheets
	BLAW310 Introduction to Business Law	BUS 340 Business Law <u>or</u> BUS 345 Law & Society
	ECON201 Principles of Macroeconomics	ECON 302 Principles of Macroeconomics
	ECON202 Principles of Microeconomics	ECON 304 Principles of Microeconomics
	FIN310 Fundamentals of Finance	ECON 330 Investments & Financial Management <u>or</u> BUS 325 Investments & Financial Management
	IT221 HTML & CSS Web Page Construction	DDSN 361 Web Design I <u>or</u> CISW 306 Introduction to Web Page Creation & Web Accessibility <u>or</u> CISW 327 Introduction to Web Development Coding HTML & CSS
	MGT310 Principles of Management	MGMT 304 Principles of Management
	MKT310 Principles of Marketing	MKT 300 Principles of Marketing
	P450 Career Development	LIBT 110 Job Search Skills
	All other major course requirements not listed above (18 units)	No equivalent courses
Specialization Course Requirement (15 units BSBA)	ACC120 Managerial Accounting II	ACCT 311 Managerial Accounting
	CPT401 Curricular Practicum	BUS 498 Work Experience in Business <u>or</u> MKT 498 Work Experience in Marketing

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	CPT402 Curricular Practicum	BUS 498 Work Experience in Business <u>or</u> MKT 498 Work Experience in Marketing
	IT223 SQL & Relational Databases	CISO 350 Database Programming
	IT337 JavaScript	CISW 400 Client-Side Web Scripting
	Complete one 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.

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 and Special Projects
SFBU Staff Member (name, title)

August 1, 2023
Date