

## Transfer Guide

### San Francisco Bay University (SFBU) & Cypress College

#### SFBU Bachelor of Science in Computer Science (BSCS)

SFBU Degree Requirements	Required SFBU course or course category	Specific Cypress College Course(s)	<a href="#"><u>CSU GE Breadth<sup>1</sup></u></a> equivalent	<a href="#"><u>C-ID<sup>2</sup></u></a> equivalent	
General Education Requirements (40 semester Units)	<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	<b>ENGL101</b> Expository Writing	<b>ENGL 100 C</b> College Writing <b>or</b> <b>ENGL 100HC</b> Honors College Writing <b>or</b> <b>ENGL 101 C</b> Enhanced College Writing	A2	ENGL100
	<b>ENGL115</b> Public Speaking	<b>COMM 100 C</b> Human Communication <b>or</b> <b>COMM 100HC</b> Honors Human Communication	A1	COMM110	
	<b>ENGL425</b> Modern American Literature	<b>ENGL 222 C</b> American Literature Since 1865	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	
	<b>Mathematics &amp; Natural Sciences</b> (16 semester credits in BSCS)	<b>MATH201</b> Calculus I	<b>MATH 150AC</b> Calculus I	n/a	MATH 210
		<b>MATH202</b> Calculus II	<b>MATH 150BC</b> Calculus II	n/a	MATH 220
		<b>MATH203</b> Linear Algebra	<b>MATH 250BC</b> Linear Algebra & Differential Equations	n/a	MATH 250
		<b>MATH208</b> Probability and Statistics	<b>MATH 120 C</b> Introduction to Probability & Statistics <b>or</b> <b>PSY 161 C</b> Probability & Statistics: Social Sciences <b>or</b> <b>PSY 161HC</b> Honors Probability & Statistics-Social Sciences <b>or</b> <b>SOC 161 C</b> Probability & Statistics - Social Sciences <b>or</b> <b>SOC 161 HC</b> Honors Probability & Statistics - Social Sciences	n/a	MATH 110

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

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		<b>PHYS201/201L</b> Physics I with Lab	<b>PHYS 221 C</b> General Physics I <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
<b>Arts &amp; Humanities</b> (6 semester credits)	6 credits in area		Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
<b>Social Sciences</b> (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 Cypress College Course(s)
<b>Core Course Requirements</b> (50 units BSCS)	<b>BUS450</b> Professional and Technical Writing	<b>MGT 211 C</b> Writing for Business
	<b>CE305</b> Computer Organization	<b>CSCI 242 C</b> Computer Architecture & Organization
	<b>CS200</b> Discrete Logic	<b>CSCI 252 C</b> Discrete Structures
	<b>CS250/250L</b> Introduction to Programming/Lab	<b>CIS 247 C</b> Python Programming <u>and</u> ( <b>CIS 275 C</b> Advanced Python Programming <u>or</u> SFBU lecture course to meet unit difference requirement)
	<b>CS350/350L</b> Data Structures/Lab	<b>CSCI 133 C</b> Data Structures in C++ (Meets CS350L; SFBU lecture course to meet unit difference)
	<b>CS360/360L</b> Programming in C and C++/Lab	<b>CSCI 123 C</b> Introduction to Programming Concepts in C++ (Meets CS360L; SFBU lecture course to meet unit difference)
	<b>CS457/457L</b> Data Modeling & Implementation Tech/Database Technologies Lab	<b>CIS 236 C</b> Introduction to Oracle - SQL & PL & SQL (Meets CS457L; SFBU lecture course to meet unit difference)
	<b>CS480/480L</b> Java and Internet Applications/ Java Programming Lab	<b>CIS 226 C</b> Java Programming <u>and</u> ( <b>CIS 234 C</b> Advanced Java Programming <u>or</u> SFBU lecture course to meet unit difference requirement)

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	<b>P450</b> Career Development	<b>COUN 145 C</b> Job Readiness - Career Management <b>or</b> <b>COUN 151 C</b> Career & Life Planning
	All other major course requirements not listed above (25 units)	No equivalent courses
<b>Specialization Course Requirement</b> (15 units BSCS)	<b>CS477</b> Ethical Hacking & Penetration Testing	<b>CIS 196 C</b> Ethical Hacking
	Complete four additional Specialization Courses (12 units)	No equivalent courses
<b>Electives</b>	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 Cypress 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 Cypress College Course(s)	CSU GE Breadth <sup>1</sup> equivalent	C-ID <sup>2</sup> equivalent
<b>English Language &amp; Communications &amp; Critical Thinking</b> (12 semester credits)	<b>ENGL101</b> Expository Writing	<b>ENGL 100 C</b> College Writing <u>or</u> <b>ENGL 100HC</b> Honors College Writing <u>or</u> <b>ENGL 101 C</b> Enhanced College Writing	A2	ENGL100
	<b>ENGL115</b> Public Speaking	<b>COMM 100 C</b> Human Communication <u>or</u> <b>COMM 100HC</b> Honors Human Communication	A1	COMM110
	<b>ENGL425</b> Modern American Literature	<b>ENGL 222 C</b> American Literature Since 1865	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
<b>Mathematics &amp; Natural Sciences</b> (9 semester credits in BSBA)	<b>MATH208</b> Probability & Statistics	<b>MATH 120 C</b> Introduction to Probability & Statistics <u>or</u> <b>PSY 161 C</b> Probability & Statistics: Social Sciences <u>or</u> <b>PSY 161HC</b> Honors Probability & Statistics-Social Sciences <u>or</u> <b>SOC 161 C</b> Probability & Statistics - Social Sciences <u>or</u> <b>SOC 161 HC</b> Honors Probability & Statistics - Social Sciences	n/a	MATH 110

<sup>1</sup> Courses without a CSU GE Breadth Designator will be evaluated individually

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	<b>PHYS 101</b> Introduction to Physical Sciences	<b>PHYS 201 C</b> College Physics I <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
<b>Arts &amp; Humanities</b> (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
<b>Social Sciences</b> (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)

SFBU Degree Requirements	Required SFBU course or course category	Specific Cypress College Course(s)
<b>Core Course Requirements</b> (45 credits BSBA)	<b>ACC110</b> Financial Accounting I	<b>ACCT 101 C</b> Financial Accounting
	<b>BAN199</b> Excel for Finance, Accounting & Analytics	<b>CIS 132 C</b> Spreadsheet-Excel for Windows
	<b>BLAW310</b> Introduction to Business Law	<b>MGT 240 C</b> Legal Environment of Business
	<b>BUS450</b> Professional & Technical Writing	<b>MGT 211 C</b> Writing for Business
	<b>ECON201</b> Principles of Macroeconomics	<b>ECON 100 C</b> Principles of Economics-Macro <u>or</u> <b>ECON 100HC</b> Honors Principles of Economics - Macro
	<b>ECON202</b> Principles of Microeconomics	<b>ECON 105 C</b> Principles of Economics-Micro <u>or</u> <b>ECON 105HC</b> Honors Principles of Economics - Micro
	<b>MGT310</b> Principles of Management	<b>MGT 262 C</b> Principles of Management
	<b>MKT221</b> HTML & CSS Web Page Construction	<b>CIS 179 C</b> Introduction to Web Page Design
	<b>MKT310</b> Principles of Marketing	<b>MKT 222 C</b> Principles of Marketing
<b>P450</b> Career Development	<b>COUN 145 C</b> Job Readiness - Career Management <u>or</u> <b>COUN 151 C</b> Career & Life Planning	

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	All other major course requirements not listed above (18 units)	No equivalent courses
<b>Specialization Course Requirement</b> (15 units BSBA)	<b>ACC110L</b> Financial Accounting Lab <b>and</b> <b>ACC120L</b> Managerial Accounting Lab	<b>ACCT 107 C</b> Computerized Accounting with QuickBooks
	<b>ACC120</b> Managerial Accounting II	<b>ACCT 102 C</b> Managerial Accounting
	<b>CPT401</b> Curricular Practicum	<b>BUS 295 C</b> Management Internship <b>or</b> <b>ACCT 295 C</b> Accounting Internship
	<b>CPT402</b> Curricular Practicum	<b>BUS 295 C</b> Management Internship <b>or</b> <b>ACCT 295 C</b> Accounting Internship
	<b>BAN223</b> SQL & Relational Databases	<b>CIS 236 C</b> Introduction to Oracle - SQL & PL & SQL
	<b>BAN335</b> Python Introduction for Commerce	<b>CIS 247 C</b> Python Programming
	<b>BAN337</b> JavaScript	<b>CIS 220 C</b> Web Page Programming
	Complete Five Specialization Courses from above	Equivalent courses listed above
<b>Electives</b>	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.