San Francisco Bay University and Golden West College Course Mapping

General Education Courses (BSCS & BSBA)

Category	SFBU Course	College Equivalent	CSU	C-ID #	BSCS Requirement	BSBA Requiremnt	Unit Requirements
English Language & Communications & Critical Thinking	ENGL101 EXPOSITORY WRITING	ENGL G100 FRESHMAN COMPOSITION **or** ENGL G100S FRESHMAN COMPOSITION WITH SUPPORT	A2	ENGL 100 COMM 110	☑	☑	
	ENGL115 PUBLIC SPEAKING	CMST G110 PUBLIC SPEAKING	A1	COMM 110	☑	☑	
	ENGL425 MODERN AMERICAN LITERATURE	ENGL G155 AMERICAN LITERATURE 1865 TO THE PRESENT	C2	ENGL 135	☑	☑	
	Additional Elective for English	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	N/A	☑	☑	12 semester credits in BSCS; 12 semester credits in BSBA
Mathematics & Natural Sciences	MATH201 CALCULUS – I	MATH G180 CALCULUS 1	B4	MATH 210	☑	☐	
	MATH 202 CALCULUS – II	MATH G185 CALCULUS 2	B4	MATH 220	☑	☐	
	MATH203 LINEAR ALGEBRA	MATH G235 APPLIED LINEAR ALGEBRA **or** MATH G285 INTRODUCTION TO LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS	B4	MATH 250	☑	☐	
	MATH203 PROBABILITY & STATISTICS	MATH G160 INTRODUCTION TO STATISTICS **or** PSYC G140 STATISTICS FOR THE BEHAVIORAL SCIENCES **or** ECON G160 Statistics for Business and Economics	B4	MATH 110	☑	☑	
	PHYS 101 INTRODUCTION TO PHYSICAL SCIENCES	PHYS G120 ALGEBRA BASED PHYSICS: MECHANICS	B1/B2	N/A	☐	☑	
	PHYS201 PHYSICS – I **and** PHYS201L PHYSICS LAB – I	PHYS G185 CALCULUS BASED PHYSICS: MECHANICS	B1/B3	PHYS 205	☑	☐	
	Additional Elective for Math/Natural Sciences	Any course with a CSU GE Breadth designator B1, B2, B3, and/or B4	B1/B2/B3/B4	N/A	☐	☑	16 semester credits in BSCS; 9 semester credits in BSBA
Arts & Humanities	Elective for Humanities	Any course with a CSU GE C1 and/or C2 designator	C1/C2	N/A	☑	☑	
	Elective for Humanities	Any course with a CSU GE C1 and/or C2 designator	C1/C2	N/A	☑	☑	6 semester credits in BSCS; 6 semester credits in BSBA
Social Sciences	Elective for Social Science	Any course with CSU GE Breadth Area D	D	N/A	☑	☑	
	Elective for Social Science	Any course with CSU GE Breadth Area D	D	N/A	☑	☑	
	Elective for Social Science	Any course with CSU GE Breadth Area D	D	N/A	☐	☑	6 semester credits in BSCS; 9 semester credits in BSBA

Note: Courses without a CSU GE Breadth Designator will be evaluated individually. Courses without a C-ID designator will be evaluated individually.

BSCS Major Courses / BSBA Major Courses

Category	SFBU Course	College Equivalent	Category	SFBU Course	College Equivalent
Core Courses (65 units BSCS)	BUS450 PROFESSIONAL & TECHNICAL WRITING	BUS G130 INTRODUCTION TO BUSINESS WRITING	**Core Courses (60 units BSBA)**	ACC 110 FINANCIAL ACCOUNTING	ACCT G101 FINANCIAL ACCOUNTING
	CE305 COMPUTER ORGANIZATION	CS G242 COMPUTER ARCHITECTURE AND ORGANIZATION		BAN199 EXCEL FOR FINANCE, ACCOUNTING & ANALYTICS	No Equivalent
	CS200 DISCRETE LOGIC	CS G262 DISCRETE STRUCTURES		BLAW310 INTRODUCTION TO BUSINESS LAW	BUS G108 LEGAL ENVIRONMENT OF BUSINESS **or** BUS G110 BUSINESS LAW
	CS230 LINUX & SHELL SCRIPTING **and** CS230L LINUX & SHELL SCRIPTING LAB	No Equivalent		BUS450 PROFESSIONAL & TECHNICAL WRITING	No Equivalent
	CS250 INTRODUCTION TO PROGRAMMING **and** CS250L INTRODUCTION TO PROGRAMMING LAB	CS G131 PYTHON PROGRAMMING I *(SFBU lecture needed for unit difference)*		ECON 201 PRINCIPLES OF MACROECONOMICS	ECON G175 PRINCIPLES OF MACROECONOMICS
	CS350 DATA STRUCTURES **and** CS350L DATA STRUCTURES LAB	CS G231 PYTHON PROGRAMMING 2 *(SFBU lecture needed for unit difference)* **or** CS G189 C++ PROGRAMMING 2 *(SFBU lecture needed for unit difference)* **or** CS G154 DATA STRUCTURES WITH JAVA *(SFBU lecture needed for unit difference)*		ECON 202 PRINCIPLES OF MICROECONOMICS	ECON G170 PRINCIPLES OF MICROECONOMICS
	CS360 PROGRAMMING IN C & C++ **and** CS360L PROGRAMMING IN C & C++ LAB	CS G175 C++ PROGRAMMING *(SFBU lecture needed for unit difference)* **or** CS G179 C++ PROGRAMMING, ADVANCED		FIN310 FUNDAMENTALS OF FINANCE	No Equivalent
	CS380 OPERATING SYSTEMS	No Equivalent		MGT310 PRINCIPLES OF MANAGEMENT	MGMT G110 ELEMENTS OF MANAGEMENT
	CS455 ALGORITHMS & STRUCTURED PROGRAMMING	No Equivalent		MKT221 HTML & CSS WEB PAGE CONSTRUCTION	No Equivalent
	CS457 DATA MODELING & IMPLEMENTATION TECH **and** CS457L DATABASE TECHNOLOGIES LAB	No Equivalent		MKT310 PRINCIPLES OF MARKETING	MKTG G100 PRINCIPLES OF MARKETING
	CS480 JAVA & INTERNET APPLICATIONS **and** CS480L JAVA PROGRAMMING LAB	CS G153 JAVA PROGRAMMING, INTRODUCTION *(SFBU lecture needed for unit difference)*		P450 CAREER DEVELOPMENT	No Equivalent
	CS483 FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE **and** CS483L AI & MACHINE LEARNING LAB	No Equivalent	**Specialization Courses (15 units BSBA)**	ACC110L FINANCIAL ACCOUNTING LAB **and** ACC120L MANAGERIAL ACCOUNTING LAB	ACCT G235 QUICKBOOKS PRO FOR ACCOUNTANTS
	CS487 OBJECT-ORIENTED DESIGN & IMPLEMENTATION	No Equivalent		ACC 120 MANAGERIAL ACCOUNTING	ACCT G102 MANAGERIAL ACCOUNTING
	CS494 SENIOR DESIGN PROJECT-I	No Equivalent		CPT401 CURRICULAR PRACTICUM	BUS G192C COOPERATIVE WORK EXPERIENCE - OCCUPATIONAL
	P450 CAREER DEVELOPMENT	No Equivalent		CPT402 CURRICULAR PRACTICUM	BUS G192C COOPERATIVE WORK EXPERIENCE - OCCUPATIONAL
Specialization Courses (15 units BSCS)	CE450 FUNDAMENTALS OF EMBEDDED ENGINEERING	No Equivalent		BAN223 SQL & RELATIONAL DATABASES	CS G127 INTRODUCTION TO PROGRAMMING WITH PHP AND MYSQL
	CS453 COMPILER DESIGN	No Equivalent		BAN335 PYTHON INTRODUCTION FOR COMMERCE	CS G131 PYTHON PROGRAMMING I
	CS470 NETWORK ENGINEERING & MANAGEMENT	No Equivalent		BAN337 JAVASCRIPT	No Equivalent
	CS477 ETHICAL HACKING & PENETRATION TESTING	No Equivalent	**Electives (24 units BSBA)**	Free Elective Courses	Any course identified as transferable to CSU or UC.
	CS 478 BLOCKCHAIN TECHNOLOGY & APPLICATIONS	No Equivalent			
	CS481 INTRODUCTION TO DATA SCIENCE	No Equivalent			
	CS485 JAVASCRIPT & INTERNET PROGRAMING	No Equivalent			
Electives (15 units BSCS)	Free Elective Courses	Any course identified as transferable to CSU or UC.			

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 American River 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.

This agreement will automatically renew each year. In the event of significant curriculum change, SFBU staff is responsible for updating the agreement.