

| San Francisco Bay University and Crafton Hills College Course Mapping | | | | | | | |
|---|--|---|---|--|--|---|---|
| General Education Courses (BSCS& BSBA) | | | | | | | |
| Category | SFBU Course | College Equivalent | CSU | C-ID # | BSCS Requirement | BSBA Requirement | Unit Requirements |
| English Language & Communications & Critical Thinking | ENGL101 EXPOSITORY WRITING | ENGL 101 FRESHMAN COMPOSITION or ENGL 101H FRESHMAN COMPOSITION-HONORS | A2 | ENGL 100 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 12 semester credits in BSCS; 12 semester credits in BSBA |
| | ENGL115 PUBLIC SPEAKING | COMMST 100 ELEMENTS OF PUBLIC SPEAKING or COMMST 100H ELEMENTS OF PUBLIC SPEAKING-HONORS | A1 | COMM 110 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | ENGL425 MODERN AMERICAN LITERATURE | ENGL 261 SURVEY OF AMERICAN LITERATURE II | C2 | ENGL 135 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | Additional Elective for English | Any course with a CSU GE A1, A2 and/or A3 designator | A1/A2/A3 | N/A | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Mathematics & Natural Sciences | MATH201 CALCULUS – I | MATH 250 SINGLE VARIABLE CALCULUS I | B4 | MATH 2T0 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 16 semester credits in BSCS; 9 semester credits in BSBA |
| | MATH 202 CALCULUS – II | MATH 251 SINGLE VARIABLE CALCULUS II | B4 | MATH 220 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | MATH203 LINEAR ALGEBRA | MATH 265 LINEAR ALGEBRA | B4 | MATH 250 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | MATH203 PROBABILITY & STATISTICS | MATH 110 INTRODUCTION TO PROBABILITY & STATISTICS or MATH 110H INTRODUCTION TO PROBABILITY & STATISTICS - HONORS or PSYCH 120 STATISTICS FOR THE SOCIAL & BEHAVIORAL SCIENCES | B4 | MATH 110 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | PHYS 101 INTRODUCTION TO PHYSICAL SCIENCES | PHYSIC 100 INTRODUCTION TO PHYSICS | B1/B2 | N/A | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | PHYS201 PHYSICS – I and PHYS201L PHYSICS LAB – I | PHYSIC 250 COLLEGE PHYSICS I | B1/B3 | PHYS 205 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| | 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 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Arts & Humanities | Elective for Humanities | Any course with a CSU GE C1 and/or C2 designator | C1/C2 | N/A | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 6 semester credits in BSCS; 6 semester credits in BSBA |
| | Elective for Humanities | Any course with a CSU GE C1 and/or C2 designator | C1/C2 | N/A | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Social Sciences | Elective for Social Science | Any course with CSU GE Breadth Area D | D | N/A | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 6 semester credits in BSCS; 9 semester credits in BSBA |
| | Elective for Social Science | Any course with CSU GE Breadth Area D | D | N/A | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| | Elective for Social Science | Any course with CSU GE Breadth Area D | D | N/A | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 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 | ENGL 146 WRITING FOR BUSINESS & THE PROFESSIONS | Core Courses (60 units BSBA) | ACC 110 FINANCIAL ACCOUNTING | ACCT 208 INTRODUCTION TO FINANCIAL ACCOUNTING | | |
| | CE305 COMPUTER ORGANIZATION | CSCI 240 COMPUTER ORGANIZATION & ASSEMBLY LANGUAGE PROGRAMMING | | BAN199 EXCEL FOR FINANCE, ACCOUNTING & ANALYTICS | CIS 106 SPREADSHEET CONCEPTS & APPLICATION WITH EXCEL | | |
| | CS200 DISCRETE LOGIC | CSCI 200 DISCRETE STRUCTURES or MATH 200 DISCRETE STRUCTURES | | BLAW310 INTRODUCTION TO BUSINESS LAW | BUSAD 210 BUSINESS LAW | | |
| | CS230 LINUX & SHELL SCRIPTING and CS230L LINUX & SHELL SCRIPTING LAB | No Equivalent | | BUS450 PROFESSIONAL & TECHNICAL WRITING | ENGL 146 WRITING FOR BUSINESS & THE PROFESSIONS | | |
| | CS250 INTRODUCTION TO PROGRAMMING | CSCI 112 PROGRAMMING FUNDAMENTALS: PYTHON (SFBU lecture needed for unit difference) | | ECON 201 PRINCIPLES OF MACROECONOMICS | ECON 200 PRINCIPLES OF MACROECONOMICS or ECON 200H PRINCIPLES OF MACROECONOMICS-HONORS | | |
| | CS250L INTRODUCTION TO PROGRAMMING LAB | No Equivalent | | ECON 202 PRINCIPLES OF MICROECONOMICS | ECON 201 PRINCIPLES OF MICROECONOMICS or ECON 201H PRINCIPLES OF MICROECONOMICS-HONORS | | |
| | CS350 DATA STRUCTURES and CS350L DATA STRUCTURES LAB | CSCI 230 DATA STRUCTURES & ALGORITHMS (JAVA) | | FIN310 FUNDAMENTALS OF FINANCE | No Equivalent | | |
| | CS360 PROGRAMMING IN C & C++ and CS360L PROGRAMMING IN C & C++ LAB | CSCI 110 INTRODUCTION TO COMPUTER SCIENCE I (C++) and CSCI 120 INTRODUCTION TO COMPUTER SCIENCE II (C++) | | MGT310 PRINCIPLES OF MANAGEMENT | BUSAD 200 BUSINESS MANAGEMENT | | |
| | CS380 OPERATING SYSTEMS | CIS 109 OPERATING SYSTEMS & ENVIRONMENTS | | MKT221 HTML & CSS WEB PAGE CONSTRUCTION | CIS 111 WEBSITE DESIGN & DEVELOPMENT I | | |
| | CS455 ALGORITHMS & STRUCTURED PROGRAMMING | No Equivalent | | MKT310 PRINCIPLES OF MARKETING | MARKET 100 INTRODUCTION TO MARKETING PRINCIPLES | | |
| | CS457 DATA MODELING & IMPLEMENTATION TECH and CS457L DATABASE TECHNOLOGIES LAB | CIS 105 DATABASE CONCEPTS & DESIGN | | P450 CAREER DEVELOPMENT | COUN 110 INTRODUCTION TO CAREER, EDUCATION & LIFE PLANNING | | |
| | CS480 JAVA & INTERNET APPLICATIONS | CIS 113 JAVA PROGRAMMING | | ACC110L FINANCIAL ACCOUNTING LAB and ACC120L MANAGERIAL ACCOUNTING LAB | ACCT 105 ACCOUNTING WITH QUICKBOOKS & EXCEL | | |
| | CS480L JAVA PROGRAMMING LAB | No Equivalent | | ACC 120 MANAGERIAL ACCOUNTING | ACCT 209 INTRODUCTION TO MANAGERIAL ACCOUNTING | | |
| | CS483 FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE and CS483L AI & MACHINE LEARNING LAB | No Equivalent | | CPT401 CURRICULAR PRACTICUM | No Equivalent | | |
| | CS487 OBJECT-ORIENTED DESIGN & IMPLEMENTATION | No Equivalent | | CPT402 CURRICULAR PRACTICUM | No Equivalent | | |
| CS494 SENIOR DESIGN PROJECT-I | No Equivalent | BAN223 SQL & RELATIONAL DATABASES | CIS 105 DATABASE CONCEPTS & DESIGN | | | | |
| P450 CAREER DEVELOPMENT | COUN 110 INTRODUCTION TO CAREER, EDUCATION & LIFE PLANNING | BAN335 PYTHON INTRODUCTION FOR COMMERCE | CSCI 112 PROGRAMMING FUNDAMENTALS: PYTHON | | | | |
| Specialization Courses (15 units BSCS) | CE450 FUNDAMENTALS OF EMBEDDED ENGINEERING | No Equivalent | Specialization Courses (15 units BSBA) | BAN337 JAVASCRIPT | CIS 117 WEB PAGE SCRIPTING | | |
| | CS453 COMPILER DESIGN | No Equivalent | | Electives (24 units BSBA) | Free Elective Courses | Any course identified as transferable to CSU or UC. | |

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| | CS470 NETWORK ENGINEERING & MANAGEMENT | CIS 140 INTRODUCTION TO NETWORKS (CISCO CCNA 1) | 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. |
| | CS477 ETHICAL HACKING & PENETRATION TESTING | CIS 135 CERTIFIED ETHICAL HACKER | |
| | CS 478 BLOCKCHAIN TECHNOLOGY & APPLICATIONS | No Equivalent | |
| | CS481 INTRODUCTION TO DATA SCIENCE | No Equivalent | |
| | CS485 JAVASCRIPT & INTERNET PROGRAMING | CIS 117 WEB PAGE SCRIPTING | |
| | Free Elective Courses | Any course identified as transferable to CSU or UC. | |
| Electives (15 units BSCS) | | | |
| This agreement will automatically renew each year. In the event of significant curriculum change, SFBU staff is responsible for updating the agreement. | | | |