# Articulation Agreement

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

| SFBU Bachelor of Science in Computer Science (BSCS) | | | | |
|---|---|---|---|---|
| SFBU Degree Requirements | Required SFBU course or course category | Specific Mission College Course(s) | CSU GE Breadth[1] equivalent | C-ID[2] equivalent |
| **English Language & Communications & Critical Thinking** (12 semester credits) | **ENGL 101** Expository Writing | **ENG 001A** English Composition **or ENG 001AX** English Composition with Additional Support | A2/A3 | ENGL100/ ENGL110 |
| | **ENGL 115** Public Speaking | **COM 001** Public Speaking **or** **COM 001H** Public Speaking – Honors | A1 | COMM 110 |
| | **ENGL 425** Modern American Literature | **ENG 007B** American Literature 1865 to 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 | **MAT 003A** Analytic Geometry & Calculus I **or** **MAT 003AH** Analytic Geometry & Calculus I Honors | n/a | MATH 210 |
| | **MATH 202** Calculus II | **MAT 003B** Analytic Geometry & Calculus II | n/a | MATH 220 |
| | **MATH 203** Linear Algebra | **MAT 004C** Linear Algebra | n/a | MATH 250 |
| | **MATH 208** Probability and Statistics | **MAT 010** Elementary Statistics **or** **MAT 010H** Elementary Statistics Honors **or** **MAT 010X** Statistics with Additional Support | n/a | MATH 110 |
| | **PHYS 201/201L** Physics I with Lab | **PHY 004A** Engineering Physics-Mechanics, **or** 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 |
| **Arts & Humanities** (6 semester credits) | 6 credits in area | Any course with a CSU GE C1 and/or C2 designator | C1/C2 | n/a |

*General Education Requirements (40 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

| | | | | |
|---|---|---|---|---|
| **Social Sciences** (6 semester credits) | 6 credits in area | 6 semester credits<br>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 Mission College Course(s)** |
| **Core Course Requirements** (50 units BSCS) | **CE305** Computer Organization | **CIS 039** Introduction to Computer Systems |
| | **CS 200** Discrete Logic | **MAT 019** Discrete Mathematics |
| | **CS230/230L** Linux & Shell Scripting/Lab | **CIS 045** Linux Essentials I **and** **CIS 046** Linux Essentials II |
| | **CS250/250L** Introduction to Programming/Lab | **CIS 007** Python Programming |
| | **CS350/350L** Data Structures/Lab | **CIS 044** Introduction to Data Structures Using Java |
| | **CS360/360L** Programming in C and C++/Lab | **CIS 040** C++ Programming |
| | **CS457/457L** Data Modeling & Implementation Tech/Database Technologies Lab | **CIS 055** Database Management Systems I **and** **CIS 056** Database Management Systems II |
| | **CS480/480L** Java and Internet Applications/ Java Programming Lab | **CIS 043** Software Development with Java |
| | **P450** Career Development | **COU 012A** Careers & Lifestyles **or** **COU 012C** Careers & Lifestyles |
| | All other major course requirements not listed above (19 units) | No equivalent courses |
| **Specialization Course Requirement** (15 units BSCS) | **CE450** Fundamentals of Embedded Engineering | **CIS 033** Robotics & Embedded |
| | **CS470** Network Engineering and Management | **CIT 012** Introduction to Networking |
| | **CS 477** Ethical Hacking & Penetration Testing | **CIT 016** Cybersecurity & Ethical Hacking |
| | **CS485** JavaScript & Internet Programing | **CIS 088** Advanced JavaScript for Web Developers **or** **GDS 089** JavaScript 1 |

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

| | Complete one additional Specialization Course (3 units) | No equivalent courses |
|---|---|---|
| **Electives** | 15 semester credits in area | 15 semester credits<br>Any course identified as transferable to CSU or UC. |

# Articulation Agreement

## San Francisco Bay University (SFBU) & Mission 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 Mission 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 Mission College Course(s)** | **CSU GE Breadth[1] equivalent** | **C-ID[2] equivalent** |
| **English Language & Communications & Critical Thinking** (12 semester credits) | **ENGL 101** Expository Writing | **ENG 001A** English Composition **or ENG 001AX** English Composition with Additional Support | A2/A3 | ENGL100/ ENGL110 |
| | **ENGL 115** Public Speaking | **COM 001** Public Speaking **or** **COM 001H** Public Speaking – Honors | A1 | COMM 110 |
| | **ENGL 425** Modern American Literature | **ENG 007B** American Literature 1865 to 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 | **MAT 010** Elementary Statistics **or** **MAT 010H** Elementary Statistics Honors **or** **MAT 010X** Statistics with Additional Support | n/a | MATH 110 |
| | **PHYS 101** Introduction to Physical Sciences | **PHY 002A** General Physics- Mechanics & Thermodynamics, **or** 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 |
| **Arts & Humanities** (6 semester credits) | 6 credits in area | Any course with a CSU GE C1 and/or C2 designator | C1/C2 | n/a |

*Left vertical label: General Education Requirements (36 semester Units)*

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[1] Courses without a CSU GE Breadth Designator will be evaluated individually

[2] Courses without a C-ID designator will be evaluated individually

| Social Sciences (9 semester credits) | 9 credits in area | 9 semester credits<br>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 Mission College Course(s)** |
| **Core Course Requirements** (45 credits BSBA) | **ACC 110** Financial Accounting I | **ACC 001A** Financial Accounting **or** **ACC 022** Basic Accounting Principles & Procedures |
| | **BAN199** Excel for Finance, Accounting & Analytics | **CAP 063B** Intermediate Microsoft Excel **or** (**ACC 033** Forecasting Financial Statements using Excel **and** **ACC 034** Business Financial Planning Using Excel) |
| | **BLAW310** Introduction to Business Law | **BUS 028A** Business Law I |
| | **ECON201** Principles of Macroeconomics | **ECN 001A** Principles of Macroeconomics |
| | **ECON202** Principles of Microeconomics | **ECN 001B** Principles of Microeconomics |
| | **FIN310** Fundamentals of Finance | **BUS 052** Fundamentals of Financial Investing |
| | **IT221** HTML & CSS Web Page Construction | **GDS 045** Web Design & Development 1 **or GDS 046** Web Design & Development 2 **or GDS 051** Mobile Application & Web Development with Web Standards |
| | **MKT310** Principles of Marketing | **BUS 056A** Marketing Principles |
| | **P450** Career Development | **COU 012A** Careers & Lifestyles **or** **COU 012C** Careers & Lifestyles |
| | All other major course requirements not listed above (21 units) | No equivalent courses |
| **Specialization Course Requirement** (15 units BSBA) | **ACC120** Managerial Accounting II | **ACC 001B** Managerial Accounting |
| | **IT223** SQL & Relational Databases | **CIS 055** Database Management **or** **CIS 056** Database Management Systems II |

# Articulation Agreement

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

| | | |
|---|---|---|
| | **IT335** Python Introduction for Commerce | **CIS 007** Python Programming **or**<br>**CIS 048** Advanced Python Programming |
| | **IT337** JavaScript | **CIS 088** Advanced JavaScript for Web Developers **or GDS 089** JavaScript 1 |
| | Complete one additional Specialization Courses (3 units) | No equivalent courses |
| **Electives** | 24 semester credits in area | 24 semester credits<br>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 & Special Projects**          **January 1, 2023**
SFBU Staff Member (name, title)                                        Date