Articulation Agreement by Major

Effective during the 2021-2022 Academic Year

To: San Francisco State University 2021-2022 General Catalog, Semester	From: Diablo Valley College 2021-2022 General Catalog, Semester

Computer Science, B.S.

GENERAL INFORMATION

Admission Criteria for Transfer Applicants

Visit **SF State Future Students** to learn about the application process and minimum eligibility requirements for admission as a transfer student. For non-impacted majors, completion of lower division major requirements is not mandatory for admission to SF State or for acceptance to most majors. However, we recommend that students complete as many lower division requirements as possible before transfer, including for the major, General Education (GE) and American Institutions (AI). Use the **Transferable Courses** search tool in ASSIST to verify approved articulation for CSU GE and CSU AI.

Additional criteria may be required for admission to impacted majors. **More information here**.

External Examination Credit

With qualifying scores, external exam credit can apply to certain GE, AI and major requirements. **More information here** about credit for external exams such as Advanced Placement.

Understanding this agreement

- SF State lower division courses for this major are displayed in the Requirement Information section below (left side). Articulated courses displayed on the right side will satisfy the corresponding major requirement.
- "No course articulated" means that a course from this transfer institution has not been identified or approved to be taken in place of the SF State course.
- Not displayed in this agreement: upper division major requirements, or additional requirements for graduation such as General Education and other non-major requirements. Visit the **Undergraduate Education** section of the University Bulletin for information about non-major requirements for the Bachelor's degree.

Changes to this agreement

Major requirements are subject to change from one academic year to the next. Newly-articulated courses are added on a rolling basis, and articulation status for some courses can be revised or ended. Visit ASSIST every semester for the most current information, and consult with an academic counselor at your institution on a regular basis.

ASSOCIATE DEGREE FOR TRANSFER

The AS-T in Computer Science (SB 1440 degree) is an approved transfer pathway for this major. Visit **SF State ADT Pathways and Roadmaps** for a list of all approved ADT pathways for SF State degree programs and to view sample post-transfer advising roadmaps for each pathway.

Students preparing to transfer into this major at SF State should complete any available articulated courses in the Requirement section(s) below. Completion of the American Institutions requirement (US-1, US-2, US-3) before transfer is also strongly recommended.

JAVA ADVISORY

A foundation in the Java programming language is required for upper division coursework in this major, and CSC 210 and CSC 220 provide this foundation. Prospective students are strongly encouraged to complete lower division courses that include instruction in Java.

UPPER DIVISION ARTICULATION

This agreement involves articulation of lower division coursework completed at a transfer institution with upper division major requirements at SF State. If taken before transfer, the content requirement in the major has been satisfied. However, units earned for lower division courses taken before transfer cannot apply to minimum upper division unit requirements in the major or for the degree.

CATALOG

San Francisco State University Bulletin (catalog): **bulletin.sfsu.edu**

- **Academic Programs:** Major and minor programs
- **Undergraduate Education:** GE and other graduation requirements; AP/IB/CLEP
- **Course Index:** Course descriptions

CONTACT

Visit the department website

Questions regarding articulation: artic@sfsu.edu

CORE REQUIREMENTS

Must be taken for a letter grade

CSC 210 - Introduction to Computer Programming (3.00)	←	**COMSC 255** - Programming with JAVA (4.00)
CSC 211 - Introduction to Software Lab (1.00)	←	**COMSC 255** - Programming with JAVA (4.00)
CSC 220 - Data Structures (3.00)	←	No Course Articulated
CSC 230 - Discrete Mathematical Structures for Computer Science (3.00)	←	**MATH 195** - Discrete Mathematics (4.00)
CSC 256 - Machine Structures (3.00)	←	**COMSC 260** - Assembly Language Programming/Computer Organization (4.00)

MATHEMATICS AND PHYSICS

Must be taken for a letter grade

MATH 226 - Calculus I (4.00)	←	**MATH 192** - Analytic Geometry and Calculus I (5.00)
MATH 227 - Calculus II (4.00)	←	**MATH 193** - Analytic Geometry and Calculus II (5.00)
MATH 324 - Probability and Statistics with Computing (3.00)	←	No Course Articulated
MATH 325 - Linear Algebra (3.00)	←	**MATH 194** - Linear Algebra (3.00) • *Lower division credit only* • *No upper division credit*
PHYS 220 - General Physics with Calculus I (3.00) **--- And ---** **PHYS 222** - General Physics with Calculus I Laboratory (1.00)	←	**PHYS 130** - Physics for Engineers and Scientists A: Mechanics and Wave Motion (4.00)
PHYS 230 - General Physics with Calculus II (3.00) **--- And ---** **PHYS 232** - General Physics with Calculus II Laboratory (1.00)	←	**PHYS 230** - Physics for Engineers and Scientists B: Heat and Electro-Magnetism (4.00)

END OF AGREEMENT