

BACHELOR OF ARTS IN MATHEMATICS: CONCENTRATION IN MATHEMATICS FOR LIBERAL ARTS – MATH ASSOCIATE DEGREE FOR TRANSFER ROADMAP

This is a sample pathway for students who transfer to San Francisco State University in the current Bulletin year with an AS-T in Mathematics. At least 12 units in the major (MATH 226, MATH 227, MATH 228) and all lower division GE requirements have been satisfied. Additional units in the major may have been satisfied. Check with a major advisor about the most appropriate course sequence. **Degree completion guaranteed in 60 units; see the Associate Degree for Transfer (ADT) section for more information** (<http://bulletin.sfsu.edu/undergraduate-admissions/transfer-students>).

Course	Title	Units
First Semester		
CSC 210 or CSC 309	Introduction to Computer Programming or Computer Programming for Scientists and Engineers	3
MATH 325	Linear Algebra	3
GE Area A: Written English Communication II (A4) or University Elective if A4 was met in transfer		3
GE Area UD-B: Upper-Division Physical and/or Life Sciences (Consider SF State Studies Course)		3
University Elective		3
Units		15
Second Semester		
MATH 301GW	Exploration and Proof - GVAR	3
Major Concentration Elective Course Numbered 300 or Above – Take Two ¹		6
US History (bulletin.sfsu.edu/undergraduate-education/graduation-requirements/#USHaGR) or University Elective if US History met in transfer		3
University Elective		3
Units		15
Third Semester		
MATH 370	Real Analysis I	3
Major Concentration Elective Course Numbered 300 or Above ¹		3
U.S. and California Government (bulletin.sfsu.edu/undergraduate-education/graduation-requirements/#usg)		3

or University Elective if US/CA Government met before transfer		
GE Area UD-C: Upper-Division Arts and/or Humanities (Consider SF State Studies Course)		3
University Elective		3
Units		15
Fourth Semester		
MATH 300GW	History of Mathematics - GVAR ²	3
MATH 335	Modern Algebra	3
Major Concentration Elective Course Numbered 300 or Above ¹		3
University Elective		3
GE Area UD-D: Upper-Division Social Sciences (Consider SF State Studies Course)		3
Units		15
Total Units		60

- ¹ Major Concentration Elective Course numbered 300 or above (except MATH 375, MATH 475, MATH 565, MATH 575, MATH 576, MATH 577, MATH 578)
- ² MATH 300GW offered in spring semesters only

To Do at SF State:

Enough total units to reach 120 minimum for graduation; 40 units minimum at the upper division level; to include the following:

University-Wide Requirements: 9–18 Units

- ENG 214 or equivalent A4 course (0–3 units) if not taken before transfer
- American Institutions (0–6 units): US History, US Government, California State and Local Government requirements if not taken before transfer
- Upper Division GE, areas B, C and D (9 units)
- Students entering this major with the AS-T in Mathematics are not required to fulfill SF State Studies requirements.
- Complementary Studies: consult with a department advisor on how transfer units and/or SF State units can be applied to ensure degree completion within 60 units.

Mathematics for Liberal Arts Major: 27–30 Units

MATH 226-MATH 227-MATH 228 met in transfer; CSC 210 may have been met in transfer.

- Core (12 units)
- Concentration (15–18 units)

University Electives: 12 or More Units

Depends on course choices made at the community college, how transferred units are applied to the requirements above, and course choices at SF State. Some courses may meet more than one requirement, e.g. UD GE and the major.