

# MINOR IN MATHEMATICS

---

## Program Learning Outcomes

- Solve problems by using mathematical techniques such as optimization, applied linear algebra, differential equations, and statistical inference.
- Formulate and analyze mathematical conjectures and justify conclusions rigorously in sound mathematical English.
- Achieve knowledge integration both in content and practice, for instance, by solving problems that arise from the mathematical modeling of practical situations.
- Communicate effectively to a variety of audiences using oral, written, and visual modes.

## Mathematics Minor – 24 units minimum

- At least 12 units of courses counted toward the minor, including at least 6 upper-division units, must be completed at SF State.
- CR/NC grades are not acceptable in courses taken to fulfill Mathematics minor requirements.
- All coursework used to satisfy the requirements of the minor must be completed with a minimum grade point average of 2.0.

### Core (15-16 units)

Code	Title	Units
MATH 226	Calculus I	4
MATH 227	Calculus II	4
MATH 228	Calculus III	4
Select One:		3-4
MATH 225	Introduction to Linear Algebra	
MATH 325	Linear Algebra	

### Electives (9 units)

Upper-division electives on advisement. Courses numbered MATH 325, MATH 375, MATH 475, and MATH 500 through MATH 599 may not be counted as electives toward the Mathematics minor.