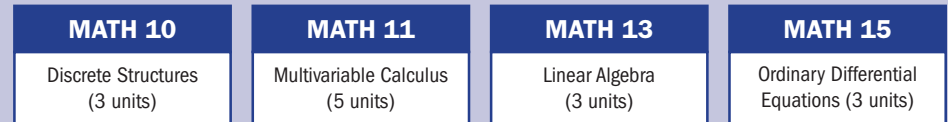# MATHEMATICS COURSE SEQUENCE

Course sequences shown here are for general reference. Your starting point depends on your math placement results and your education plan. Before you enroll in a math class, see the SMC Success and Engagement Center website (smc.edu/successcenter), visit the Math Department (smc.edu/math), see assist.org, or talk to a counselor in the Counseling Department.

Higher Level

These courses may be taken in any order, but students are advised to complete MATH 11 and MATH 15 before enrolling in MATH 13.

MATH 10
Discrete Structures (3 units)

MATH 11
Multivariable Calculus (5 units)

MATH 13
Linear Algebra (3 units)

MATH 15
Ordinary Differential Equations (3 units)

College Level

YOUR TRANSFER SCHOOL'S REQUIREMENTS MAY VARY

For details, see assist.org or talk to a counselor in the Counseling Department.
Business, economics, or other majors that do NOT need trigonometry-based calculus*:
MATH 28, 29.
*MATH 7 and 8 generally required for UC.
STEM majors, including computer science, engineering, mathematics, one of the physical/natural/life sciences, or other majors that REQUIRE trigonometry-based calculus:
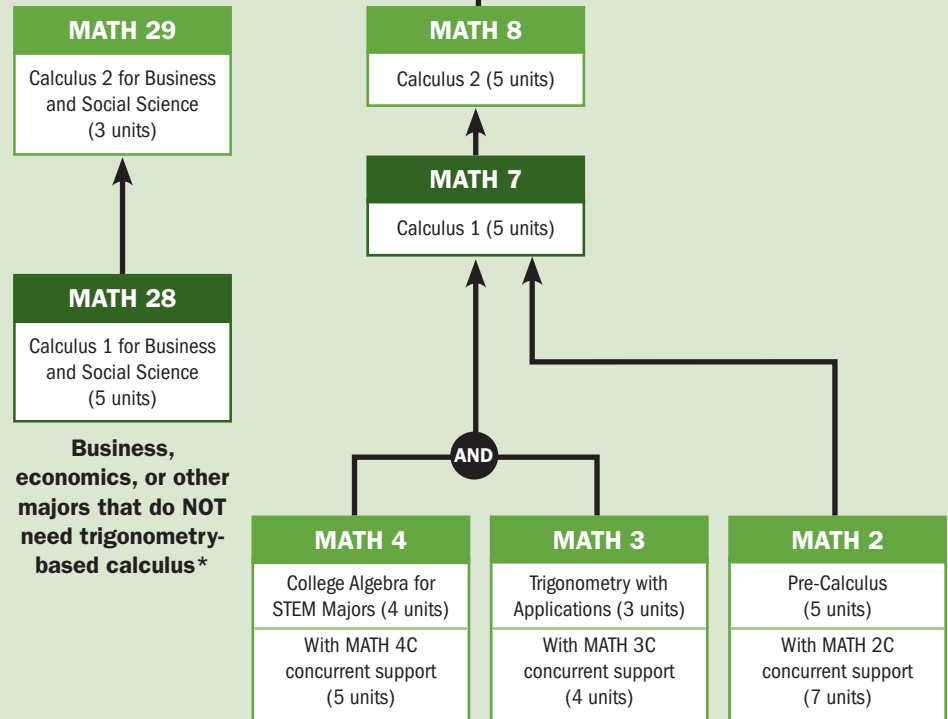MATH 2, 2C (or 3, 3C & 4, 4C), 7, 8, 11, 15, 13, and possibly 10.
Liberal arts or social sciences majors:
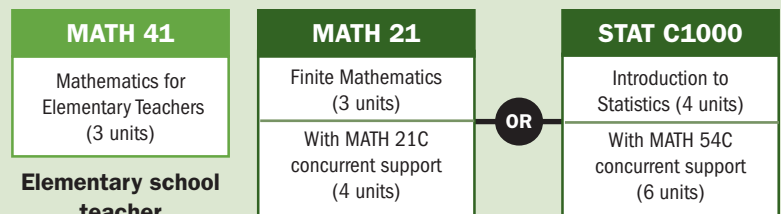STAT C1000 (formerly MATH 54), 54C or MATH 21, 21C.
Elementary school teacher:
MATH 41 (only fulfills CSU mathematics requirement for liberal arts majors).

By California law (AB-1705), a student may directly enroll in Calculus, Calculus for Business, or Statistics according to their plan of study. SMC offers tutoring as well as co-requisite support courses for students enrolled in Math classes.

MATH 29
Calculus 2 for Business and Social Science (3 units)

MATH 28
Calculus 1 for Business and Social Science (5 units)

Business, economics, or other majors that do NOT need trigonometry-based calculus*

MATH 8
Calculus 2 (5 units)

MATH 7
Calculus 1 (5 units)

AND

MATH 4
College Algebra for STEM Majors (4 units)
With MATH 4C concurrent support (5 units)

MATH 3
Trigonometry with Applications (3 units)
With MATH 3C concurrent support (4 units)

MATH 2
Pre-Calculus (5 units)
With MATH 2C concurrent support (7 units)

STEM majors, including computer science, engineering, mathematics, one of the physical/natural/life sciences, or other majors that REQUIRE trigonometry-based calculus

MATH 41
Mathematics for Elementary Teachers (3 units)

Elementary school teacher

MATH 21
Finite Mathematics (3 units)
With MATH 21C concurrent support (4 units)

OR

Formerly MATH 54, Elementary Statistics

STAT C1000
Introduction to Statistics (4 units)
With MATH 54C concurrent support (6 units)

Liberal arts or social sciences majors

4-25