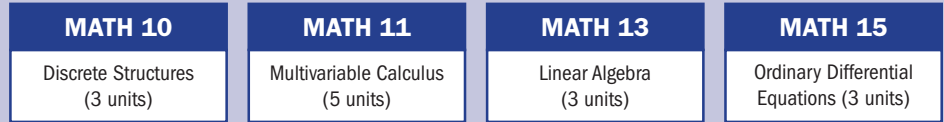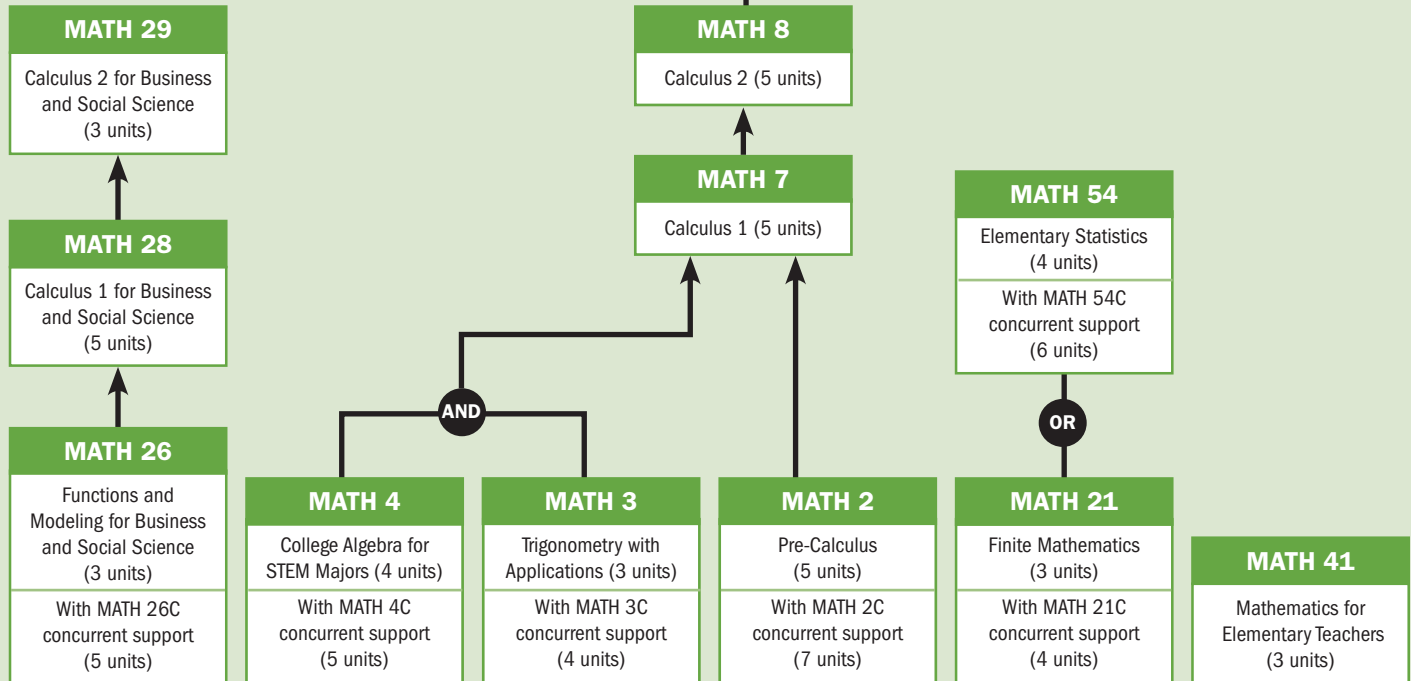# MATHEMATICS COURSE SEQUENCE

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	**MATH 11**	**MATH 13**	**MATH 15**
Discrete Structures (3 units)	Multivariable Calculus (5 units)	Linear Algebra (3 units)	Ordinary Differential Equations (3 units)

College Level

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

MATH 8
Calculus 2 (5 units)

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

MATH 7
Calculus 1 (5 units)

MATH 54
Elementary Statistics (4 units)
With MATH 54C concurrent support (6 units)

MATH 26
Functions and Modeling for Business and Social Science (3 units)
With MATH 26C concurrent support (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)

OR

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

MATH 41
Mathematics for Elementary Teachers (3 units)

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

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

Liberal arts or social sciences majors

Elementary school teacher

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 26, 26C, 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:
MATH 54, 54C or 21, 21C.
Elementary school teacher: MATH 41 (only fulfills CSU mathematics requirement for liberal arts majors).