

This program roadmap represents one possible pathway to complete the program. *Please see a counselor* to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call 916.608.6510.

Total Units: 18-19

First Year

Semester 1

5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
MATH 400 ^Z Calculus I	5	MATH 375 or MATH 372 & 373	F, S

^Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

*This certificate requires completion of at least 16 units from the following list:

MATH 335, 341, 355, 356, 370, 372, 373, 375, 400, 401, 402, 410, 420, STAT 300.

This program map example is one pathway the certificate can be completed, and students have various options depending on their math placement and major. It is recommended to see a counselor to determine the best path for completion of this certificate.

Semester 2

5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
MATH 401 Calculus II	5	MATH 400	F, S

Notes

- The STEM Math Certificate provides students with an option to receive college affirmation of math related work done on a pathway related to science, technology, engineering, or mathematics.
- Students majoring in STEM related fields often transfer without the need for an associates degree even though many lower division preparation courses were taken.
- A common thread throughout these majors is a high level of proficiency in mathematics.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.

Second Year

Semester 3

5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
MATH 402 Calculus III	5	MATH 401	F, S

Semester 4

3-4 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
MATH 420 Differential Equations or	4	MATH 401	F, S
MATH 410 Introduction to Linear Algebra	3	MATH 401	F, S

Catalog Year: 2025-2026
Published April 09, 2025