

Cabrillo College Math Course Recommendations for B-STEM (Business, Science, Technology, Engineering, Mathematics and Psychology)

All students are eligible to take transfer level Mathematics. Cabrillo offers these classes as a stand-alone course and some are offered as a course with in-class support. Both types are the same level and both are transferable and degree applicable. Your course recommendation is based on your grade point average; **however, you are able to decide for yourself which format is best for your needs and academic success.** We strongly recommend completing *Algebra II* or *Common Core Math III* in high school or *Math 152* at Cabrillo College before attempting either format of Math 4, 13 or 18. Mathematics requirements for your degree are determined by your major and your education plan. Refer to the **MATH MAP** for your major; choose the class that's right for you.

GPA = 3.4-4.0
OR
2.6-4.0 and enrolled in High School Calculus

Standard: for students who are comfortable with math and prefer to seek help with assignments as needed, utilizing resources outside the classroom.

GPA = 0-3.39
OR
Enrolled in High School pre-calculus

Standard PLUS In Class Support: for students who want extra support with the course. This format allows time in class to build your confidence in math to enhance your academic success.

GPA = 3.2 or above and HS pre-calculus
or calculus = C or better
OR
GPA = 3.6 or above and High School
trigonometry = C or better

Math 4: Pre-calculus: Algebra and Trigonometry

5 units, 5 hours in class and approximately 10 hours of homework per week

Math 4:
Pre-calculus Algebra and Trigonometry
AND
Math 103: Support for Pre-Calculus

5.5 units total, 7.5 hours in class and approximately 11 hours of homework per week

Math 5A: Calculus 1

Computer enforced pre-requisite: Placement by rules above, AP or IB scores or completion of Math 4 with a C or better

5 units, 5 hours in class and approximately 10 hours of homework per week

Math 13: Finite mathematics

3 units, 3 hours in class and approximately 6 hours of homework per week

Math 18: Business Calculus
AND
Math 102: Support for Business Calculus

4.5 units total, 6.5 hours in class and approximately 9 hours of homework per week

Math 18: Business Calculus

4 units, 4 hours in class and approximately 8 hours of homework per week

Recommended preparation: *Algebra II* or *Common Core Math III* in high school or *Math 152* at Cabrillo

Want to improve your math skills?

Cabrillo College offers several terrific courses that focus on foundational math skills:

Math 152 Intermediate Algebra: 5 units, take this class if you have not completed Algebra II or Common Core Math III

Math 112: Pre-Statistics: 5 units, take this class for optional preparation for Math 12: Statistics

Math 300-304: MathPlus. FREE! Noncredit, registration required.

Math review for Statistics, Pre-Calculus and Intermediate Algebra. *Take one or both, as needed:*

Jump start!

- Faculty lead review
- Meets before the semester begins
- 1 or 2 weeks, day or evening, Aptos or Watsonville

Just in Time!

- Faculty lead review
- Meets outside class, during the semester
- Topics covered relate to current class

Math 350 A-F and Math 360 A-F: FREE! Noncredit, registration required.

Math units to learn arithmetic through elementary algebra. *Take what you need, when you need it:*

Topics in pre-Algebra (formerly Math 254)

- Faculty supported
- Computer mediated

Topics in Elementary Algebra (formerly Math 154)

- Faculty supported
- Computer mediated

We recommend you meet with an academic counselor to develop a comprehensive education plan.