Math and Statistics Course Sequence

Pathways for Transfer Students

Liberal Arts and Social Sciences Pathway

Choose one of the following options:

- MATH 300: Introduction to Mathematical Ideas 3 (3 units)
- STAT 300: Introduction to Probability and Statistics 4 (4 units)

1 Both of these courses transfer to CSU/UC. Support is built into these courses via the lab component.

BSTEM Prep Pathway

Business, Science, Technology, Engineering, Math

This option is for students who did not complete IM3 or Algebra 2 with a "C-" or better. Choose one of the following options:

- MATH 333: Introduction to College Algebra 3 (units)
- MATH 333: Introduction to College Algebra 3 (units) and MATHS 33: Support for Introduction to College Algebra 3 (2 units) – must be taken concurrently

This support course may be required based on the student's math placement.

Business, Economics, and Management Pathway

All BSTEM courses require IM3, Algebra 2, or MATH 333 prerequisites to be satisfied.

Choose one of the following options:

- MATH 341: Calculus for Business & Economics 1 (4 units)
- MATH 341: Calculus for Business & Economics 1 (4 units) and MATH 79: Skills Lab for Miscellaneous Transferable Math 1 (.25 to 2 units) – must be taken concurrently

3 Transfers to CSU.

4 This support course may be required based on the student's math placement.

Elementary Education Pathway

This is for students transferring to the CSU Sacramento Liberal Studies program and who plan to obtain a teaching credential. All education courses require IM3, Algebra 2, or MATH 333/MATHS 333 prerequisites to be satisfied.

Take the following course:

- MATH 310: Mathematical Discovery 4 (3 units)

5 This support course may be required based on the student's math placement.

STEM: Calculus Pathway
All BSTEM courses require IM3, Algebra 2, or MATH 333 prerequisites to be satisfied.

Choose one of the following options:

- **MATH 335: Trigonometry with College Algebra**
- **MATH 335: Trigonometry with College Algebra** and **MATH 76: Trigonometry/Pre-calculus Skills Lab**

After completing the previous course(s), take all of the following courses:

- **MATH 370: Pre-calculus Mathematics**
- **MATH 400: Calculus I**
- **MATH 401: Calculus II**
- **MATH 402: Calculus III** – may be taken concurrently with MATH 420
- **MATH 420: Differential Equations** – may be taken concurrently with MATH 402
- **MATH 410: Introduction to Linear Algebra**

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6 Transfers to CSU.

7 This support course may be required based on the student's math placement.

8 Transfers to CSU/UC.

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**STEM: Biology and Medicine Pathway**

All BSTEM courses require IM3, Algebra 2, or MATH 333 prerequisites to be satisfied.

Choose one of the following options:

- **MATH 335: Trigonometry with College Algebra**
- **MATH 335: Trigonometry with College Algebra** and **MATH 76: Trigonometry/Pre-calculus Skills Lab**

After completing the previous course(s), take all of the following courses:

- **MATH 355: Calculus for Biology & Medicine I**
- **MATH 356: Calculus for Biology & Medicine II**

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9 Transfers to CSU.

10 This support course may be required based on the student's math placement.

11 Transfers to CSU/UC.