

# Physical Sciences and Mathematics

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Students in Astronomy, Chemistry, Engineering, Geology, Mathematics, Physical Science, and Physics follow the Business, Science, Technology, Engineering, and Mathematics (BSTEM) placement pathway.

Placements are generally available 2-3 days after students complete their SWC application. An email with your placements should be in your MySWC email. If not, log-in to your MySWC account and then click on this link, [My SWC Placements](#), to see your specific placements.

The course requirements list the classes needed to complete the program of study.

The placement level indicates your starting point in math or quantitative reasoning for your program of study. Students may use a single math course to fulfill General Education math/quantitative reasoning and major requirements, if applicable.

Individual situations and needs are different. SWC STRONGLY recommends speaking with a counselor about your individual circumstances and goals in education planning.

## Course Recommendations

### [BSTEM 1 Placement Level](#)

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#### ***Requirements for students in your major:***

- MATH 250 Analytic Geometry and Calculus I

#### ***BSTEM 1 Placement Level - take one of the following pairings:***

- MATH 101\* College Algebra **with** MATH 83\* (NC 283\*\*) **or**

- MATH 104\* Trigonometry **with** MATH 86\* (NC 286\*\*)

**NOTE:**

MATH 101 and MATH 104 are prerequisites to MATH 250

## BSTEM 2 Placement Level

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**Requirements for students in your major:**

- MATH 250 Analytic Geometry and Calculus I

**BSTEM 2 Placement Level - take one of the following pairings:**

- MATH 101\* College Algebra **with** MATH 83\* (NC 283\*\*) **or**
- MATH 104\* Trigonometry **with** MATH 86\* (NC 286\*\*)

**NOTE:**

MATH 101 and MATH 104 are prerequisites to MATH 250

## BSTEM 3 Placement Level

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**Requirements for students in your major:**

- MATH 250 Analytic Geometry and Calculus I

**BSTEM 3 Placement Level - take one of the following pairings:**

- MATH 101\* College Algebra **with** MATH 83\* (NC 283\*\*) **or**
- MATH 104\* Trigonometry **with** MATH 86\* (NC 286\*\*)

**NOTE:**

MATH 101 and MATH 104 are prerequisites to MATH 250

## BSTEM 4 Placement Level

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**Major Requirements: Requirements for students in your major:**

- MATH 250 Analytic Geometry and Calculus I

**BSTEM 4 Placement Level - take one of the following:**

- MATH 101 College Algebra **or** MATH 104 Trigonometry

**NOTE:**

MATH 101 and MATH 104 are prerequisites to MATH 250

## BSTEM 5 Placement Level

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### *Requirements for students in your major:*

- MATH 250 Analytic Geometry and Calculus I

### *BSTEM 5 Placement Level:*

- MATH 244 Pre-calculus

### **NOTE:**

MATH 244 is a prerequisite to MATH 250

## BSTEM 6 Placement Level

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### *Requirements for students in your major:*

- MATH 250 Analytic Geometry and Calculus I

### *BSTEM 6 Placement Level:*

- MATH 250\* Analytic Geometry and Calculus I **with** MATH 87\* (NC 287\*\*)

## BSTEM 7 Placement Level

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### *Requirements for students in your major:*

- MATH 250 Analytic Geometry and Calculus I

### *BSTEM 7 Placement Level:*

- MATH 250 Analytic Geometry and Calculus I

## Endnotes

\* MATH 81-87 are support courses. Look for paired sections with an S in the schedule, e.g. MATH 110-S01 and MATH 82-S01.

\*\* Noncredit (NC) MATH co-requisite support courses are equivalent to credit co-requisite support courses. The benefits of the courses include no tuition and not appearing on your credit transcript.