# AP Computer Science A

AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

## Learn more from College Board: AP BC

## Prerequisites

- AP Precalc or AB Calculus

Expectations and Assessments

## Who should take it

- Students who would like to major in any STEM field, especially math, engineering and physics

## Instructional Approaches

- Collaborative work
- Quizzes and Homework
- Take Home Tests
- Practices MCQs/FRQs
- 1 full practice exam

## AP Classroom resources: AP BC



**Contact mhschnall@fcps.edu for more information.**

# AP BC Calculus

## Work time Expectations and Course Structure

- Students are expected to do homework after every class to review important concepts learned each day
- In class, after lectures on new material, students will be working together to deepen their understanding

## SKILLS

- Solving problems using calculus.

## What are the AP Assessments for this class?

| Summative Assessments 70% | Formative Assessments 30% | AP Exam |
|---|---|---|
| Tests | Quizzes, Homework, Take Home Tests | **Section I: 105 minutes 50%** ❏ 45 Qs MCQ **Section II (1h30min 50%:** ❏ 6 FRQs ❏ 2 Use the Desmos Calculator |