

# AP Calculus AB/BC at **Saginaw High School**



## AP Calc FAQs

- **What is the difference between AP Calculus AB and AP Calculus BC?**

AP Calculus BC covers more topics over the course of the school year. As a result, in AP Calculus BC, the pace, rigor, and amount of work outside of class is higher. Passing scores on AP Calculus BC usually earn more credit than passing scores on AP Calculus AB. For example:

*At Texas A&M, students scoring **4 or higher** on the **AP Calculus BC exam** earn 8 credits (for Engineering Mathematics 1 and Engineering Mathematics 2) and students scoring **4 or higher** on the **AP Calculus AB exam** earn 4 credits (for Engineering Mathematics 1). <https://apstudents.collegeboard.org/getting-credit-placement/search-policies/college/397>*

- **Am I prepared to take AP Calculus?** Successful completion of Advanced Precalculus (previously, Pre-AP PreCalculus) or On-Ramps Pre-Calculus along with a willingness to work hard means that you are well-prepared for AP Calculus.
- **Why should I take AP Calculus?** Many college majors in science, medicine, and engineering require Calculus. Your passing score of 3 or higher on the AP exam will earn college credit at most universities. If you are choosing a major outside of the sciences or engineering, your passing score will usually count toward the College Algebra course requirement for your degree. Skipping out on a math course during your senior year will likely make it more difficult when you register in a math course in college.
- **What other benefits are there to taking Calculus?** By enrolling in AP Calculus, you'll engage with college-level material while having a teacher and classmates that are available to work with you in a supportive environment. You will draw upon skills from multiple preceding math courses which will deepen your knowledge of those courses. You will grow in your ability to adapt to challenging situations and in your problem-solving skills.

## What former students say about the benefits of taking AP Calculus:



**Jake** @jhmtx99 · Jan 30, 2018

Replying to @SHSCalculus

I am able to identify the instantaneous rate of change of a graph at a point (given  $f$ ). This practice is beneficial not only in the sense for the graph's or question's sake, but helps out when needing to figure out real world issues that are changing at a certain rate. #rrrcalc



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*"By doing really well on the AP exam I was able to start college with all of my math credits taken care of, which helped me graduate college in 3 years instead of 4. It also challenged me to study harder so that when I got to college and now medical school I wasn't shocked by how difficult all of the classes were." -Jesse Jolly (medical school student at Kansas City University)*



**Lynnette Diaz** @Lynnette\_diaz3 · Jan 30, 2018

Replying to @SHSCalculus

I don't have to take college algebra. It also gave me four credit hours which saved me quite a bit of money. #rrrcalc



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*"Calculus prepared me for college by pushing me to think deeply about getting solutions to problems. I did not always know how to solve the very rigorous questions on assignments in class, but learning to attempt them is a skill that has proven to be very useful in my college courses." -Janice Kankolongo (currently studying at Princeton University)*



**Ruwayd Abdalla** @abdalla\_ruwayd · Jan 31, 2018

Calculus has really been beneficial in motivating me to work harder and to never give up. There are times when I am frustrated with some cal problems, but overcoming that teaches you to be persistent and move on! #rrrcalc @SHSCalculus



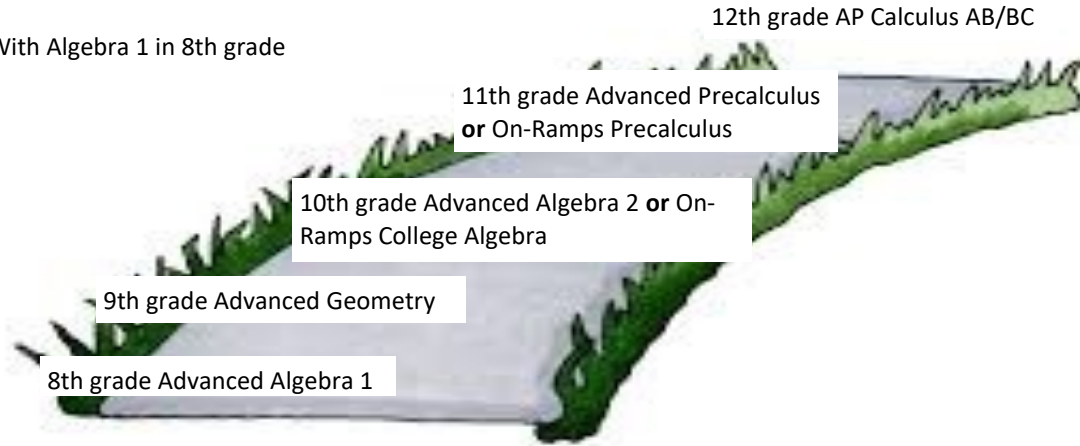
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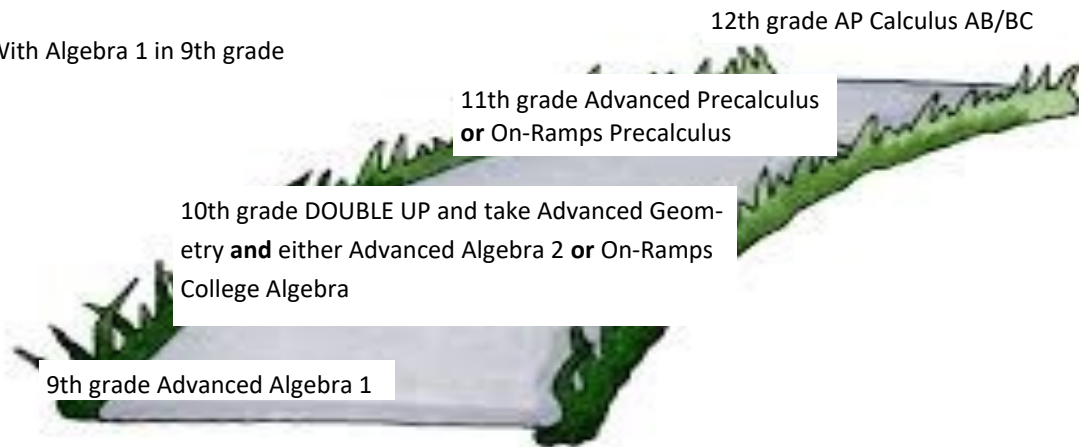
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With Algebra 1 in 8th grade



With Algebra 1 in 9th grade



# Pathway to AP Calculus AB/BC at Saginaw High School