

Welcome to Math Parents Night



- **Our Goal Tonight:**

To help parents and students make better choices in selecting math courses for their senior year at BHS.

• Choices for Senior Year Math Courses

- AP Calculus
- AP Statistics
- IB Math
- College Algebra/ Finite Math
- College Algebra/College Trigonometry
- Algebra III
- Honors Pre-calculus/trigonometry

- **Things to consider before choosing a course:**

College major –

- ** Research what math courses the major requires.**
- ** Note pre-requisites for courses such as University Physics (normally it is Calculus I and Calculus II)**

- **Concurrent Credit Courses:**
**College Algebra, Finite Math,
College Trigonometry**

- **ACT Scores:**

Our college courses for concurrent credit require certain ACT Scores that students must have attained before they can enroll in the course. TAKE THE ACT EARLY AND OFTEN!!

Pre-requisites for concurrent credit courses:

**** Required GPA.**

**** Required Courses**

AP Calculus requires Pre-calculus/trigonometry

AP Statistics requires a minimum of Algebra II

IB Math requires Pre-Calculus/Trigonometry

- How does the course you choose affect scholarship chances?



- **Breakdown of BHS 2011 College
Scholarship Money:**

8.7% received by Algebra III Students

10.3% received by Pre-Calculus/Trig

9.1% received by IB Students

19.0% received by College Alg/Finite

18.5% received by AP Statistics

38.9% received by AP Calculus

- **Percent of seniors in each course who received scholarships**

42 of 270 Algebra III students

This is 15.6% of the students taking the course.

9 of 15 IB Math students

This is 60% of the students taking the course

- 25 of 61 Pre- Calculus/Trigonometry Students received scholarships.
- This is 41% of the seniors taking the course.

52 of 77 College Algebra/Finite students
This is 67.5% of the students taking the course

19 of 45 AP Statistics students
This is 42% of the students taking the course

35 of 50 AP Calculus students
This is 70% of the students taking the course.

- **Average \$ Amount of Scholarships
per course**

• Algebra III	- \$14,892
• Pre-Calculus/Trig	- \$26,211
• College Algebra/Finite	- \$26,154
• IB Math	- \$46,011
• AP Statistics	- \$70,012
• AP Calculus	- \$79,737

• **Conclusions from the Data:**

- The percent of students taking Algebra III is the lowest.
- The average scholarship \$ amount is lowest in Algebra III.
- Over 60% of the students taking IB Math, College Algebra/Finite, and AP Calculus receive scholarships.
- IB Math, AP Stat, and AP Calculus receive the largest scholarships on the average.

• Top 20 Scholarships Dollar-wise

- 2 of the top 20 were IB Students
- 11 of the top 20 were in AP Calculus *
- 5 of the top 20 were in AP Statistics *
- 3 of the top 20 were in College Algebra

- *One student took both AP Calculus and AP Statistics.

- These 20 students received \$2,423,312 in college scholarships.

• Myths vs Reality

- Myth: “If my student makes a C (or maybe even a D) in AP Calculus or AP Statistics they won’t get a scholarship.
- Reality: We had several students who made a D first and/or second semester and still received large scholarships.

• Myth vs Reality

- Myth: “ I want my son/daughter to have an easy senior year.”
- Reality: As many as half of all college students do not have adequate preparation, and are required to take remedial classes. More than $\frac{1}{4}$ of the freshmen at four-year colleges and nearly $\frac{1}{2}$ of those at two-year colleges do not make it to their sophomore year.

- College applications (including the Common Application) require you to list your senior courses, including information about course levels and credit hours. It is very obvious to admissions officers if you have taken the senior year off. They strongly suggest maintaining a challenging course load: You should take the most rigorous courses available, and be sure to continue taking college-track subjects.
- ** Source: College Board

- Take the most rigorous academic schedule you can handle. It shows college admissions officers that you're ready for a competitive college environment.
- Mathematical and scientific concepts and skills learned in math classes are used in many disciplines outside of these courses. Recent studies have shown that students who take higher level math courses are much more likely to go on to, and complete, college than students who do not.
- Source: Complete Schools

- “The AP and IB tests tell us not only about how that student performed in the course in their high school but on a national or international scale,” says Julie Browning, Dean for Undergraduate Enrollment, Rice University.

- **How do you succeed in these courses?**

- **Work Ethic:**

- **Do you do your homework?**

- **Are you willing to put in the time and effort necessary to succeed?**