

## WHY IS MATH IMPORTANT?

- Across growing industries, an increasing number of careers require higher math knowledge.
- A majority of workers who earn more than \$40,000 annually have two or more high school credits of math at the Algebra 2 level or higher.
- Students who are able to place out of math remediation at University System of Georgia institutions are much more likely to finish their degree and graduate on time.

## NEXT STEPS

### HOW CAN PARENTS HELP?

- **Be knowledgeable.** Understand what type of math classes your child will need to succeed in life after high school.
- **Be active.** Participate in your child's class scheduling to make sure they are taking the right amount of math.

## YOUR CHILD'S NEXT CONFERENCE

Date \_\_\_\_\_

Time \_\_\_\_\_

Teacher \_\_\_\_\_

Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## ADDITIONAL RESOURCES

### GEORGIA DEPARTMENT OF EDUCATION CAREER CLUSTERS

The Georgia Department of Education's Career Clusters/Pathways Resource page provides comprehensive information on career options for students. It also includes a recommended sequence of courses for students to successfully complete a pathway.

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Career-Cluster-homepage.aspx>

### GACOLLEGE 411

GACollege411 provides information on how to apply to college or for financial aid. They also provide resources on career planning and exploration.

<https://www.gacollege411.org>

### UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia's Staying on Course Document provides the list of high school courses that students may take to count towards college admissions.

[http://www.usg.edu/student\\_affairs/documents/Staying\\_on\\_Course.pdf](http://www.usg.edu/student_affairs/documents/Staying_on_Course.pdf)



## MATH MATTERS

THE WORLD IS CHANGING.  
WILL YOUR CHILD BE READY?



A GUIDE TO CHOOSING  
THE RIGHT MATH COURSE  
FOR YOUR CHILD

## WHERE CAN MATH LEAD YOU?

Georgia requires that all high school students take 4 years of math to ensure they are prepared for college and careers. There are 4 different possible sequences students can take to stay on track:

9th Grade	10th Grade	11th Grade	12th Grade	Majors
Foundations of Algebra*	Algebra	Geometry	Algebra II	STEM and Non-STEM Technical Certificates
Algebra	Geometry	Algebra II	4th Unit of Advanced College Prep Mathematics	Non-STEM Majors
Algebra	Geometry	Algebra II	Pre-Calculus	STEM and Non-STEM Majors
Geometry (Student completes Algebra in 8th Grade)	Algebra II	Pre-Calculus	Calculus or AP Calculus	STEM Majors

## MATH DURING HIGH SCHOOL

- All students should plan on taking a math course each year of high school.
- Students may take additional math courses as electives to increase their preparedness for college level mathematics.
- Depending on what students would like to do after high school graduation, students can select the right math courses for their future using the table on the left.

## MATH AFTER HIGH SCHOOL

- Students should select the math courses in high school that best fit with what they want to do after graduation. The table to the left can help.
- Students interested in Science, Technology, Mathematics, or Engineering (STEM) should plan on taking at least Pre-Calculus prior to their first year of college.
- Students who place in remedial math will have to take additional math courses in college to prepare them for college level math.

## HOW CAN YOU CONTINUE YOUR MATH JOURNEY?

Students planning on receiving a 2 or 4 year college degree from the University System of Georgia need to make sure they take the right 4th year math course to continue their degree progression. Students who take more math in high school may place out of the recommended 1st year college math course.

Major	Recommended 12th Grade Math Course	Freshman Math (Course 1)	Freshman Math (Course 2)
Engineering Majors and all Georgia Tech Students	Pre-Calculus or higher	Calculus	Calculus II
STEM Majors	Pre-Calculus	Pre-Calculus or College Trigonometry	Calculus
Majors that Require Calculus	Pre-Calculus or a 4th Unit of Advanced College Prep Math	College Algebra	Pre-Calculus
All other majors (i.e. liberal arts, humanities, social sciences)	4th Unit of Advanced College Prep Math	Quantitative Reasoning or Mathematical Modeling	Statistics

Students can change majors, but may need to take additional math courses to meet their new major's requirements.

Students may be eligible to participate in dual enrollment at a USG institution after successful completion of Algebra II.

\*Students who start in Foundations of Algebra should take a 5th Math course above Algebra II to ensure eligibility for USG admissions.

