Georgia Tech

Which MATH course should I take?
A guide for incoming students

Do you have credit for calculus?

NO

YES, AB score of 4 or 5 (or equivalent)

YES, BC score of 4 or 5 (or equivalent)

Do you have a math SAT score > 620?

Take 1552

Do you have credit for linear algebra?

NO

YES

NO

YES

Take 1113

Take 1550 (summer) or 1551 (fall)

Take 1553, 1554, or 1564

Take 2551 or 2552
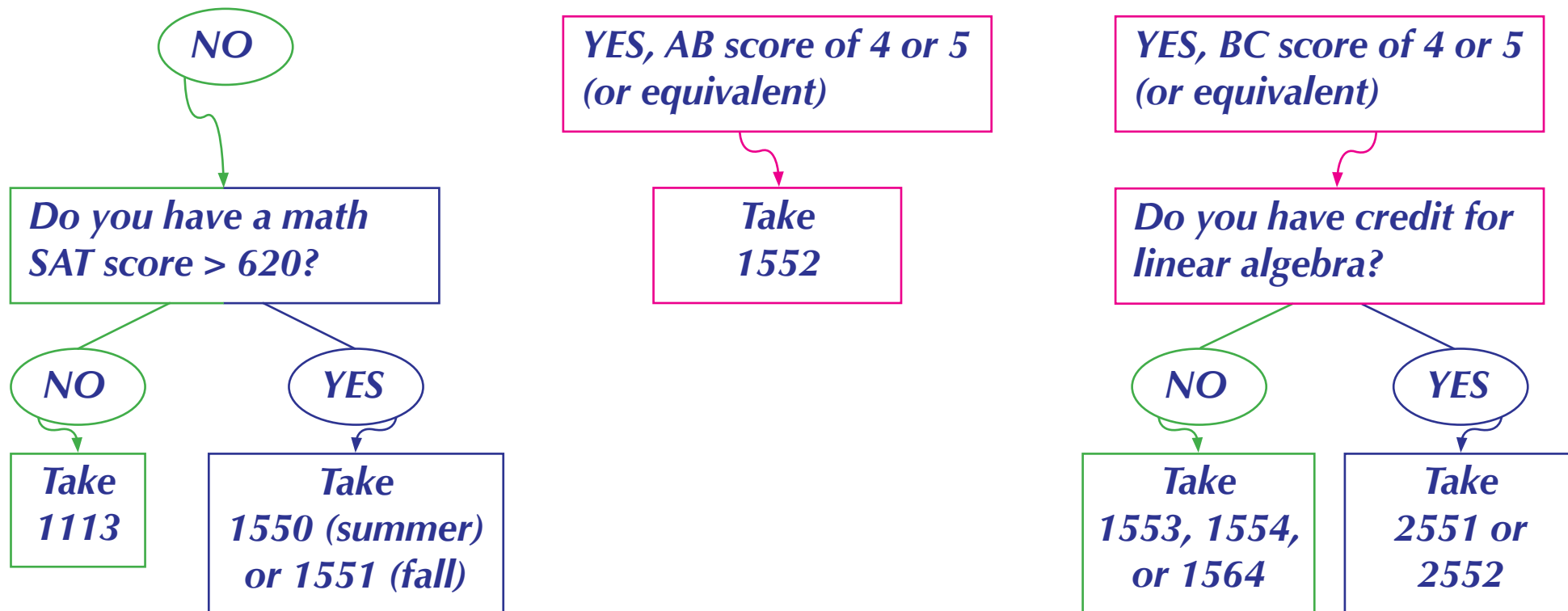
Recommendations:

1. We strongly recommend that students accept credit and placement for AP courses.

2. Your major advisor will recommend the linear algebra course (1553/1554/1564) best suited for your degree path.

3. Math 1564 is only for students with a 5 on the BC Calculus exam (or equivalent). An application is required: http://www.math.gatech.edu/academics/undergraduate/math-1564-information

4. It is recommended that students take either 1550 or 1554 in the summer rather than taking 1551 and 1553 in the same semester.

5. Ivan Allen and Scheller students should consult their academic advisors as the flowchart may not apply to them.

6. The calculus sequence (MATH 1550/1551 and 1552) can be taken independently of the linear algebra sequence (MATH 1553/1554/1564). In particular, students are allowed to take 1551 and 1553 in the same semester, or to take linear algebra before one of the calculus courses. However, these options are not recommended.

More details on some of the options:

1550 vs. 1551:
Math 1550: Introduction to Differential Calculus
3 credits, only for Summer Freshmen, covers the material from Math 1551 plus some precalculus.

Math 1551: Differential Calculus
2 credits

1553 vs. 1554 vs. 1564:
Math 1553: Introduction to Linear Algebra
2 credits

Math 1554: Linear Algebra
4 credits, similar to Math 1553 but with more material and more contact hours.

Math 1564: Linear Algebra with Abstract Vector Spaces
4 credits, a challenging course covering the material from Math 1554 plus abstract vector spaces. Designed for Math, Physics, and CS majors but suitable for all highly motivated students with a 5 on the BC Calculus exam (or equivalent).

Students may not register for more than four hours of core math courses prior to the Friday before the first day of classes. After that time, students can register for additional hours if the prerequisites are met and spaces are still available. The School of Mathematics will strictly enforce this policy. The core math courses are 1113, 1550, 1551, 1552, 1553, 1554, 1564, 1711, 1712, 2550, 2551, 2552, 2561, 2562 and 2603.

Link to AP equivalency tables:
http://www.math.gatech.edu/academics/undergraduate/advanced-placement-credit

Questions? Contact academics@math.gatech.edu