

NEW CORE Math Courses Georgia Tech Fall 2015

Course Descriptions

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, replaces the first 1/2 of Math 1501.

Math 1552: Integral Calculus
4 credits, replaces the last 1/2 of Math
1501 and the first 1/3 of Math 1502.

Math 1553: Introduction to Linear Algebra

2 credits, replaces the last 2/3 of Math 1502.

Math 1554: Linear Algebra

4 credits, similar to Math 1553 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, suitable for Math, Physics, and CS majors and motivated students.

Math 2551: Multivariable Calculus 4 credits, replaces Math 2401.

Math 2552: Differential Equations 4 credits, replaces Math 2403.

Math 2561: Honors Multivariable Calculus

4 credits, replaces Math 2411.

Math 2562: Honors Differential Equations

4 credits, replaces Math 2413.

- All 4 credit courses meet 3 times with the instructor and have 2 recitations with a teaching assistant per week.
- All 2 credit courses meet 3 times with the instructor per week (no recitation).

Policies & Recommendations

- 1. Students are not permitted to take more than 4 credits of core mathematics classes in one semester.
- 2. It is strongly recommended that students accept credit and placement for their AP courses.
- 3. Your major advisor will recommend the linear algebra course (1553/1554/1564) best suited for your degree path.
- 4. Math 1564 is only recommended for students with a 5 on the BC Calculus exam or at least a B in 1552.
- 5. It is recommended that students take 1550 or 1554 in the summer as opposed to taking 1551+1553 in one semester.



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Suggested Timelines

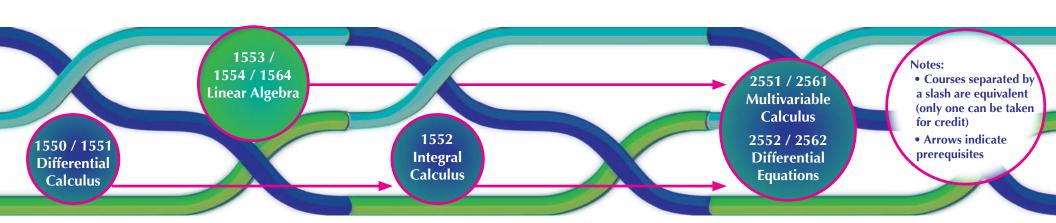
		Fresh. Summer	Fresh. Fall	Fresh. Spring	Soph. Summer	Soph. Fall	Soph. Spring
No placement credit	Option 1: Summer Calculus	1550	1552	1554 / 1564		2551	2552
	Option 2: Summer Lin. Alg.		1551	1552	1554	2551	2552
	Option 3: Not recommended		1551 + 1553	1552		2551	2552
Placement credit for Math 1551*			1552	1554 / 1564		2551	2552
Placement credit for Math 1551 and 1552**			1554 / 1564	2551		2552	

^{*} requires a 4 or 5 on the AP Calculus AB exam, a School of Math placement exam, or equivalent.

Note: Linear Algebra (1553/1554/1564) can be taken at any time with respect to the basic Calculus sequence (1551 and 1552).

More Information

For more details see the School of Mathematics web site: http://www.math.gatech.edu or contact the School of Mathematics Undergraduate Advisor: academics@math.gatech.edu



^{**}requires a 4 or 5 on the AP Calculus BC exam, a School of Math placement exam, or equivalent.