MINOR IN MATHEMATICS

The Mathematics minor must comprise 18 semester hours of upper-division coursework (numbered 3000 or above). A student may earn a minor in mathematics by fulfilling, in addition to the general Institute requirements, the requirements in one of the two tracks specified below.

Track I

Required Courses
- MATH 4317 Analysis I 3
- MATH 4107 Abstract Algebra I 3
- MATH 4305 Linear Algebra 3
  or MATH 3406 Second Course Linear Alg

Electives
Select elective MATH courses to fulfill 18 credit hour requirement.

Total Credit Hours 18

1 Numbered 3000 or above.

Track II

Select at least nine credit hours in one of the following fields:

Analysis
- MATH 4317 Analysis I
- MATH 4318 Analysis II
- MATH 4320 Complex Analysis
- MATH 4581 Math Methods in Engr
- MATH 4640 Numerical Analysis I
- MATH 4641 Numerical Analysis II

Algebra and Number Theory
- MATH 4012 Coding Theory
- MATH 4107 Abstract Algebra I
- MATH 4108 Abstract Algebra II
- MATH 4150 Intro To Number Theory
- MATH 4305 Linear Algebra
  or MATH 3406 Second Course Linear Alg

Probability and Statistics
- MATH 3215 Probability & Statistics
- MATH 3670 Statistics and Applns
- MATH 4221 Stochastic Processes I
- MATH 4222 Stochastic Processes II
- MATH 4255 Monte Carlo Methods
- MATH 4261 Math Statistics I
- MATH 4262 Math Statistics II
- MATH 4280 Information Theory

Dynamics and Differential Equations
- MATH 4347 Partial Diff Eqns I
- MATH 4348 Partial Diff Eqns II
- MATH 4541 Dynamics & Bifurcations I
- MATH 4542 Dynamics & Bifurcations II
- MATH 4581 Math Methods in Engr

Discrete Mathematics
- MATH 3012 Applied Combinatorics

Electives
Select elective MATH courses to fulfill 18 credit hour requirement.

Total Credit Hours 18

- A maximum of 6 credit hours of Special Topics courses may be included in a minor program or the student may complete 3 credit hours of Special Topics and 3 credit hours of Undergraduate Research.
- No Special Problems or Internship coursework may be used.
- All courses used to satisfy the course requirements for a minor must be completed with a grade of C (2.00) or better.
- Courses must be completed on a letter grade mode.
- A maximum of 3 credit hours of transfer credit may be used to satisfy the course requirements for a minor. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.
- It is the major advisor's responsibility to verify that students are using only courses from the designated block(s) from the student's major field of study that are allowed to satisfy a minor program, that they are not using any Core Area A-E courses (including humanities and social sciences), and that they are not using any courses for more than one minor or certificate. Any free elective course used to satisfy the course requirements of the student's major degree program may also be used to satisfy the course requirements for a minor.

For further information, consult the departmental advisor.

Minor Program of Study & Guidelines (http://www.catalog.gatech.edu/academics/minors)

Math: Minor Information (http://www.math.gatech.edu/academics/undergraduate/minors)