

Applied Mathematics Option Upper Division Schedule for Transfer Students

A two-year plan for completing the required upper division portion of an applied mathematics major, for transfer students.

Two Year Upper Division Plan

Fall, Year 1: Math 240 Stat 323 (Math 241 if needed)	Spring, Year 1 Math 361 Math 313
Fall, Year 2 Math 351 take one of the following Math 315 or Math 415	Spring, Year 2 Upper division math elective Upper division math elective

***Note:** Must take 6 units of upper division or graduate electives in math to complete the required 26 units of upper division units required of the degree, including one 400-level course.*

Required Upper Division Courses

Stats 323 (4) – Probability & Mathematical Statistics I

Math 313 (4) – Ordinary Differential Equations

Math 351 (4) – Introduction to Numerical Analysis

Math 361 (4) – Introduction to Mathematical Modeling

And one of the following

Math 315 (4) – Advanced Calculus

or

Math 415 (4) – Introduction to Real Analysis

Upper Division Electives for Applied Mathematics Major

Electives – courses that count towards the 26 units of required upper division math.

- Math 314 (3) Partial Differential Equations
- Math 340 (3) Number Theory
- Math 343 (4) Introduction to Algebraic Structures
- Math 344 (3) Linear Algebra
- Math 371 (3) Geometry
- Math 401 (3) History of Mathematics
- Math 407 (3) School Mathematics from an Advanced Viewpoint
- Math 413 (3) Advanced Ordinary Differential Equations
- Math 416 (3) Real Analysis
- Math 418 (3) Complex Analysis
- Math 443 (3) Advanced Algebraic Structures
- Math 446 (3) Mathematical Logic and Set Theory
- Math 451 (4) Advanced Numerical analysis
- Math 474 (3) Graph Theory
- Math 485 (1-2) Seminar in Mathematics
- Math 561 (4) Dynamical Systems
- Math 564 (4) Applied Optimization
- Stats 324 (4) Probability and Mathematical Statistics II

The semesters you can take elective mathematics courses:

Even Fall Math 340 Math 344 Math 443 Math 474 Math 561	Odd Spring Math 314 Math 343 Math 371 Math 407 Math 418 Math 521 Math 564, Stat 324
Odd Fall Math 340 Math 344 Math 401 Math 561	Even Spring Math 314, Math 343 Math 371, Math 407 Math 413, Math 416 Math 446, Math 451 Math 521, Math 564