

Mathematics Education Major
Upper Division Schedule for Transfer Students

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

Note that courses marked (m) are mandatory and (r) are recommended.

Two Year Upper Division Plan

Beginning in an odd-numbered fall

Fall, Year 1 (m) Math 240 (m) Math 401 (m) Stat 323	Spring, Year 1 (m) Math 343 (m) Math 371 (r) Math 481
Fall, Year 2 (m) Math 340 (m) Math 344 (r) Math 415 (r) Math 474	Spring, Year 2 (m) Math 407 (m) Math 371 (if not yet taken)

Beginning in an even-numbered fall

Fall, Year 1 (m) Math 240 (m) Math 340 (m) Stat 323	Spring, Year 1 (m) Math 343 (m) Math 371 (r) Math 481
Fall, Year 2 (m) Math 344 (m) Math 401 (r) Math 415	Spring, Year 2 (m) Math 407 (m) Math 371 (if not yet taken)

mandatory (m)

recommended (r)

Mandatory Upper Division Courses—Mathematics Education Major

- 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 I
- Math 407 (3) School Mathematics from an Advanced Viewpoint
- Stat 323 (4) Probability and Mathematical Statistics I

Upper Division Electives—Mathematics Education Major

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

- Math 311 (2) Vector Calculus
- Math 313 (4) Ordinary Differential Equations
- Math 314 (3) Partial Differential Equations
- Math 315 (4) Advanced Calculus
- Math 351 (4) Introduction to Numerical Analysis
- Math 361 (4) Introduction to Mathematical Modeling
- Math 381 (1) Tutorial on Mathematical Proofs
- Math 413 (3) Advanced Ordinary Differential Equations
- Math 415 (4) Introduction to Real Analysis
- Math 416 (3) Real Analysis
- Math 418 (3) Introduction to 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 481 (1) Workshop in Tutoring Mathematics
- Math 485 (1) Seminar in Mathematics
- Stat 324 (4) Probability and Mathematical Statistics II

The semesters you can take elective mathematics courses:

<p style="text-align: center;">Even Fall</p> <p>Math 311 Math 415 Math 313 Math 443 Math 315 Math 474 Math 351 Math 481 Math 381 Math 485</p>	<p style="text-align: center;">Odd Spring</p> <p>Math 313 Math 418 Math 314 Math 481 Math 361 Math 485 Math 381 Stat 324 Math 407</p>
<p style="text-align: center;">Odd Fall</p> <p>Math 311 Math 381 Math 313 Math 415 Math 315 Math 481 Math 351 Math 485</p>	<p style="text-align: center;">Even Spring</p> <p>Math 313 Math 416 Math 314 Math 446 Math 361 Math 451 Math 381 Math 481 Math 407 Math 485 Math 413</p>