

Mathematics: Preparing to transfer from CCC to Geneseo

BA Mathematics

Basic Requirements:

MATH 221: Calculus I (CCC: MATH 1610)

- MATH 112 is prerequisite (CCC: MATH 1413)

MATH 222: Calculus II (CCC: MATH 1620)

MATH 223: Calculus III (CCC: MATH 2610)

MATH 233 - Linear Algebra I (CCC: MATH 2560)

MATH 239: Introduction to Mathematical Proof (CCC: MATH 2350)

MATH 324: Real Analysis

Choose one of the following (3 credits):

MATH 230: Programming and Mathematical Problem Solving (CCC: ENGR 1050)

MATH 345: Numerical Analysis I

MATH 382: Discrete Wavelets and Applications

MATH 384: Computational Graphics

MATH 385: Mathematical Reasoning and Advanced Programming Techniques

Required Options:

Choose three of the following:

MATH 326: Differential Equations (CCC: MATH 2620)

MATH 330: Abstract Algebra

MATH 333: Linear Algebra II

MATH 335: Geometry

MATH 345: Numerical Analysis I

MATH 341: Probability and Applied Statistics (CCC: MATH 2410*) OR

MATH 360: Probability

MATH 371: Complex Analysis

Research and Presentation Requirement:

MATH 348: Oral Presentation & Research Seminar

Elective Requirements:

Two additional 3 credit courses at the 300-level.

*Students taking MATH 2410 who are intent on pursuing a career in statistics or wanting to take MATH 361 should consult with the SUNY Geneseo Mathematics Department Chair