Mathematics: Preparing to transfer from CCC to Geneseo

BA Mathematics, Adolescence Education

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)

Choose one of the following:

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

MATH 345: Numerical Analysis I

MATH 382: Discrete Wavelengths and Applications

MATH 384: Computational Graphics

MATH 385: Mathematical Reasoning and Advanced Programming Techniques

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

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

MATH 324: Real Analysis

MATH 330: Abstract Algebra

MATH 335: Geometry

Choose one of the following:

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

MATH 361: Statistics

MATH 390: History of Mathematics

Research and Presentation Requirement:

INTD 302: Methods and Materials in Secondary Education

300-Level Mathematics Elective Requirements (3 credits):

CCC students who complete MATH 2620 Ordinary Differential Equations will earn credit for MATH 326 as an elective.

Additional Requirements:

INTD 203: Social Foundations of Education in United States (CCC: EDUC 1010)

PSYC 216: Adolescent Development (CCC: PSYC 2208)

EDUC 215: Foundations of Literacy in the Secondary School

EDUC 204: Dimensions of Teaching (CCC: EDUC 2040)

EDUC 206: Practicum: Dimensions of Teaching

SPED 205: Teaching Secondary Learners with Special Needs

H&PE 350: Health and Safety Issues in Schools

INTD 301: Topics in Secondary Education

INTD 302: Methods and Materials in Secondary Education

Mathematics: Preparing to transfer from CCC to Geneseo

        EDUC 340: Student Teaching - Middle School Education
        EDUC 350: Student Teaching - High School Education

*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