MATH 1501: Calculus I

4 Credit Hours

Prerequisite: MATH 1113

This course is a four (4) credit hour course and includes material on functions, limits, continuity, the derivative, anti-differentiation, the definite integral, and techniques of integration.

This course is managed through the cooperative academic agreement known as eCore.

MATH 2008: Foundations of Numbers and Operations

3 Credit Hours

Prerequisite: The completion of Areas A2 and D1 courses with a C or higher, and one of the following majors: ECE, ECE (Interest), Early Childhood Birth to Kindergarten Traditional, Early Childhood Birth to Kindergarten Traditional (Interest).

This course is an Area F introductory mathematics course for early childhood education majors. The course emphasizes the understanding and use of the major concepts of number and operations. As a general theme, strategies of problem solving are used and discussed in the context of various topics.

MATH 2202: Calculus II

4 Credit Hours

Prerequisite: MATH 1190 or (MATH 1179 and MATH 1189)

This course is the second in the calculus curriculum and consists of two parts. The first part is concerned with the techniques of integration and applications of the integral. The second part is concerned with infinite sequences and series.

MATH 2203: Calculus III

4 Credit Hours

Prerequisite: A grade of "C" or better in MATH 2202

This course is the third in the calculus curriculum and is concerned with functions defined on regions in two or three dimensional space and that have values in one, two, or three dimensional space. Topics include partial derivatives, vector fields, multiple integrals, and applications of these topics.