

MATHEMATICS (MA)

MA 117 Mathematics in the Modern World - 3 Hours

This is a general education course designed especially for non-science majors. The course will further develop the quantitative skills and reasoning ability of such students. It will serve as an introduction to some of the great ideas and relevant applications found within the discipline of mathematics. Includes problem-solving strategies, functions and their graphs, probability, statistics, and the mathematics of finance. Additional topics may include Fibonacci numbers, cryptography, infinity, fractals, chaos, tiling, knots, voting theory, game theory, and fairness. This course cannot be taken as a prerequisite for MA 121. Prerequisites: high school Algebra II course and minimum ACT Math score of 17 (or minimum SAT Math score of 400); or MA 116. Delivery mode: online, and Wisconsin Prison Initiative.

MA 119 College Algebra - 3 Hours

This course deals with concepts related to algebra, equations and inequalities, functions and graphs, systems of equations, and exponential and logarithmic functions as applied to practical life problems. Offered on demand for Florida undergraduate. Delivery mode: Florida undergraduate.

MA 200 Mathematical Concepts - 4 Hours

This course is designed especially for elementary education majors. Content includes all concepts normally emphasized in the contemporary elementary school. Special concern is given to the introduction and development of the operations on the set of whole numbers by using appropriate teaching methods. Delivery mode: Florida non-traditional undergraduate.

MA 204 Mathematics for Elementary Educators - 3 Hours

This course is designed especially for elementary education majors. Content includes All concepts normally emphasized in the contemporary elementary school. Special attention is given to the introduction and development of the operations on the set of whole numbers by using appropriate teaching methods. Credit obtained in this course is not applicable toward meeting the general education Math requirement of the college. Delivery mode: Florida non-traditional undergraduate.

MA 280X Introductory Statistics - 3 Hours

An examination of both descriptive and inferential statistics. Specific topics include the scientific method, data analysis and production, measures of central tendency and variability, correlation and regression, random sampling and probability, nonparametric inferential tests, and parametric inferential tests including one-way analysis of variance. Credit obtained in this course does not fulfill the major requirements in psychology (for Deerfield traditional and Florida undergraduates) or business (for Deerfield traditional undergraduates) or the minor requirement in sociology. (Florida undergraduate business majors take PSY 280X as part of the major.) Delivery mode: Online and Florida undergraduate.

MA 445 Internship - 1-6 Hours

The opportunity to work in a business or professional organization to analyze and interpret data, to develop concepts, and to engage in problem solving. Prerequisites: Instructor approval and permission of the Dean of the College. Delivery mode: Deerfield traditional undergraduate.

MA 450 Independent Study - 1-4 Hours

Research and specialization studies designed to meet the needs of individual students. Prerequisite: consent of instructor. Offered on demand for Deerfield traditional undergraduate. Delivery mode: Deerfield traditional undergraduate.

MA 498 Professional Experience - 0-1 Hours

A supervised experience in one or more professional environment(s) which demonstrates the student's ability to relate knowledge and skills developed in the major to practical tasks in the workplace, graduate school, or professional school. Requires at least 45 clock hours of prepared, supervised, and evaluated experience which demonstrates practical application of major-related knowledge and skills. The professional experience must have prior approval by the department. Offered each semester for Deerfield traditional undergraduate. Delivery mode: Deerfield traditional undergraduate.