

MATHEMATICS (BA)

Program Requirements

Code	Title	Hours
MATH-1300	Calculus I	4
MATH-1350	Calculus II	4
MATH-2300	Calculus III	4
MATH-2500	Linear Algebra	3
MATH-2550	Discrete Mathematical Structures I	3
MATH-3200	Probability & Statistics	3
MATH-3600	Modern Algebra I	3
MATH-3610	Modern Algebra II	3
or MATH-4800	Introduction to Real Analysis	
MATH-4930	Directed Research	2
Upper-division math electives		6
CSCI-1140	Introduction to Computer Science I	4
or CSCI-2300	Programming for Scientists & Engineers	
MATH-COMP	Senior Comprehensive Exam	0
Total Hours		39

For each of the above curricula, the student's upper-division program is to be planned with an advisor from the department and approved by the chair of the department.

Transfer students majoring in Mathematics must take a minimum of 40% of the coursework required for the major at Benedictine College.

Recommendations

A student should not attempt a mathematics course unless he or she received at least a 'C' in its prerequisite. For a natural world foundation, PHYS-2100 Classical Physics I is recommended for mathematics majors.

Those students planning to enroll in graduate school in mathematics should include both MATH-3610 Modern Algebra II and MATH-4800 Introduction to Real Analysis in their course of study.