

MATHEMATICS MAJOR WITH STATISTICS CONCENTRATION

Along with specific requirements for any major, all students in the Bachelor of Arts and Bachelor of Science degree programs must meet all general education (<https://catalog.wheaton.edu/undergraduate/academic-policies-information/academic-requirements-general-education/>) and graduation requirements (<https://catalog.wheaton.edu/undergraduate/academic-policies-information/academic-requirements-general-education/#text>) under a single catalog.

Requirements for a major in Mathematics with Statistics Concentration are as follows:

Code	Title	Credits
Introductory Courses:		
MATH 232	Calculus II	2-4
or MATH 234	Calculus II B	
MATH 245	Linear Algebra	4
MATH 301	Intro to Upper-Level Math	2
MATH 241	Introduction to Proofs	2-4
or CSCI 243	Discrete Mathematics and Functional Programming	
MATH 331	Vector Calculus	2
Computing Course:		
CSCI 235	Programming I: Problem Solving	4
or CSCI 245	Programming II: Object-Oriented Design	
Applied Courses:		
MATH 333	Differential Equations	4
MATH 363	Probability Theory	4
Capstone:		
MATH 494	Senior Seminar	2
<i>Area of Concentration - Statistics:</i>		
MATH 341	Modern Algebra	4
or MATH 351	Analysis I	
MATH 463	Mathematical Statistics	4
Select two from the following:		6-8
MATH 364	Mathematical Modeling	
MATH 386	Topics in Statistics	
MATH 464	Bayesian Statistics	
MATH 465	Applied Machine Learning	
MATH 493	Mentored Research Seminar	
Total Credits		40-46