MATHEMATICS MAJOR (BA TRADITIONAL)

This program teaches students to think logically and to use a variety of techniques to analyze and solve problems. Students also learn to communicate mathematical ideas clearly and professionally in written and oral formats. The BA degree is designed to allow students to pursue a complementary second major or a minor so they are better prepared for a wide variety of technical careers in business, industry, and education.

General Education Requirements

All degree seeking undergraduate students must complete the general education (http://catalog.csp.edu/archive/2019-2020/undergraduate/academic-information/general-education-requirements) requirements.

Degree Requirements

Bachelor of Arts (http://catalog.csp.edu/archive/2019-2020/undergraduate/academic-information/graduation-requirements/#ba) degree consists of a major of typically 32 to 44 credits or two minors, general education courses, and elective courses totaling a minimum of 120 credits.

Code	Title	Credits
Required		
MAT 110	Introduction to Probability and Statistics	3
MAT 135	Calculus I	4
MAT 145	Calculus II	5
CSC 210	Microsoft Excel Core	4
or CSC 115	Introduction to Computer Science	
MAT 220	Discrete Mathematics	3
MAT 305	Foundations of Geometry	3
MAT 330	Advanced Probability and Statistics	4
MAT 375	Differential Equations and Linear Algebra	4
MAT 450	Abstract Algebra	4
or MAT 460	Foundations of Analysis	
MAT 499	Senior Outcomes	0
Electives		
Select a minimum of 7 credits of the following:		7
MAT 255	Calculus III (4)	
MAT 450	Abstract Algebra [1] (4)	
or MAT 460	Foundations of Analysis (4)	
MAT 478	Mathematics Seminar (3)	
MAT 488	Independent Study in Mathematics (1-4)	
MAT 498	Mathematics Internship (1-4)	
Total Credits		41

[1]   Whichever was not taken above