MATHEMATICS MAJOR (BS 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 BS degree also allows students to explore connections between mathematics and other technical fields. Upon completion of the program, students will have strong problem solving, quantitative reasoning, and computing skills, as well as the ability to apply these skills in a career of their choice.

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 Science (http://catalog.csp.edu/archive/2019-2020/undergraduate/academic-information/graduation-requirements/#bs) degree consists of a major of typically 45 to 60 credits, 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 (includes lab day)	5
CSC 210	Microsoft Excel Core	4
or CSC 115	Introduction to Computer Science	
MAT 220	Discrete Mathematics	3
MAT 255	Calculus III	4
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 478	Mathematics Seminar	3
MAT 498	Mathematics Internship	4
MAT 499	Senior Outcomes	0
Electives		
Select 12 credits of the following:		12
CSC 115	Introduction to Computer Science [1] (4)	
or CSC 210	Microsoft Excel Core (4)	
MAT 450	Abstract Algebra [1] (4)	
or MAT 460	Foundations of Analysis (4)	
MAT 488	Independent Study in Mathematics (1-4)	
PHS 221	General Physics I (Calc Based) (4)	
PHS 222	General Physics II (Calc Based) (4)	
Total Credits		57

[1]   Whichever was not taken above