Major in Mathematics - Bachelor of Science

University Requirements:		
See University General Requirements for Baccalaureate degrees (p. 41)		☐
First Year Making Connections Course:	**Sem. Hrs.**	
MATH 1093, Making Connections - Mathematics	**3**	☐
General Education Requirements:	**Sem. Hrs.**	
See General Education Curriculum for Baccalaureate degrees (p. 84) **Students with this major must take the following:** *MATH 2204, Calculus I* *PHYS 2034, University Physics I* *Twelve hours in Social Sciences (Required Departmental Gen. Ed. Option), including one of the following:* *ANTH 2233, Introduction to Cultural Anthropology* *GEOG 2613, Introduction to Geography* *HIST 1013, World Civilization to 1660* *HIST 1023, World Civilization since 1660*	**36**	☐
Major Requirements:	**Sem. Hrs.**	
CS 2114, Structured Programming	4	☐
MATH 2183, Discrete Structures	3	☐
MATH 2214, Calculus II	4	☐
MATH 3254, Calculus III	4	☐
MATH 3243, Linear Algebra	3	☐
MATH 3303, Modern Algebra I	3	☐
MATH 4403, Differential Equations	3	☐
MATH 4553, Advanced Calculus I	3	☐
PHYS 2044, University Physics II	4	☐
STAT 3233, Applied Statistics I	3	☐

STAT 4453, Probability and Statistics I	3	☐

Select one of the following:
  MATH 4423, Modern Algebra II
  MATH 4563, Advanced Calculus II
  STAT 4463, Probability and Statistics II
	3	☐

Mathematics or Statistics Electives (select four of the following):
  MATH 3273, Applied Complex Analysis
  MATH 3323, Mathematical Modeling
  MATH 3343, College Geometry
  MATH 3353, History of Mathematics
  MATH 4423, Modern Algebra II
   If not taken to satisfy Major Requirements
  MATH 4513, Applied Mathematics
  MATH 4533, Numerical Methods
  MATH 4563, Advanced Calculus II
   If not taken to satisfy Major Requirements
  STAT 4463. Probability and Statistics II
   If not taken to satisfy Major Requirements
	12	☐

Sub-total	**52**	☐
Electives:	**Sem. Hrs.**	
Electives (Eight hours must be upper-level)	**29**	☐
Total Required Hours:	**120**	