

Minor in Applied Mathematics

Mathematics Core

All bachelor degrees offered in the Department of Mathematics and Statistics have a common core consisting of the following six courses:

Code	Title	Credits
CS 1181	Computer Science and Programming I ¹	3
MATH 1170	Calculus I	4
MATH 1175	Calculus II	4
MATH 2275	Calculus III	4
MATH 2240	Linear Algebra	3
MATH 3326	Elementary Analysis	3
Total Credits		21

¹ The two courses, ME 1165 Structured Programming and ME 2266 Symbolic Programming, may be substituted for CS 1181.

Required Courses

Code	Title	Credits
Mathematics Core (See above)		21
MATH 3360	Differential Equations	3
Select ONE of the following:		3
MATH 3310	Mathematical Modeling	
MATH 3352	Introduction to Probability	
MATH 4405	Numerical Linear Algebra	
MATH 4421	Advanced Engineering Mathematics I	
MATH 4441	Introduction to Numerical Analysis I	
MATH 4463	Topics in Applied Mathematics	
MATH 4465	Partial Differential Equations	