

Mathematics Minor

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Required

Mathematics:		11
MATH 1420	Calculus I *	
MATH 1421	Calculus II	
MATH 2500	Linear Algebra for Applications	

Electives 12

Mathematics:		12
ACT SCI 4739/5739	Topics in Actuarial Science	
MATH 2422	Calculus III	
MATH 2900	Discrete and Argumentative Mathematics	
MATH 3410/5410	Dynamical Systems: Chaos Theory and Fractals	
MATH 3425/5425	Differential Equations	
MATH 3430/5430	Partial Differential Equations	
MATH 3440/5440	Numerical Analysis	
MATH 3530	Combinatorics	
MATH 3600	Euclidean Geometry	
MATH 3610/5610	Modern Geometries	
MATH 3630/5630	Differential Geometry	
MATH 3640/5640	History of Mathematics	
MATH 3751	Probability and Statistics	
MATH/STAT 3752	Introduction to Probability	
MATH 4420/5420	Advanced Calculus I	
MATH 4421/5421	Advanced Calculus II	
MATH 4460/5460	Introduction to Complex Analysis	
MATH 4500/5500	Modern Algebra I	
MATH 4501/5501	Modern Algebra II	
MATH 4510/5510	Elementary Number Theory	
MATH 4615/5615	Geometric Transformations	
MATH 4641/5641	Topology I	
STAT 3775/5775	Introduction to Mathematical Statistics	
STAT 3776/5776	Regression Analysis	
STAT 4777/5777	Statistical Quality Assurance Methods	
STAT 4779/5779	Applied Multivariate Statistical Analysis	

Total Hours 23

* MATH 1420 has prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

1. A student majoring or minoring in mathematics, who has a grade point average of less than 2.25 in all departmental courses used for that major or minor may not apply a departmental course in which a grade of less than C- is earned to her/his major or minor.
2. A student with a major within the Department of Mathematics may declare a second major and/or a certificate within the Department. Interested students should work closely with an advisor.
3. The declaration of both a major and a minor with the Department of Mathematics is limited to the following. Interested students should work closely with an advisor.

- A student with any Mathematics major may declare the interdisciplinary Data Science Minor.
- A student with the Mathematics Major or the Mathematics-Teaching Major may declare the Statistics emphasis of the Statistics and Actuarial Science Minor.

Related Programs

- Mathematics B.A.
- Mathematics: Statistics/Actuarial Science B.A.

Policies

Notes: