Acadia University
Department of Mathematics and Statistics

Accredited courses that may be used towards the A.Stat. designation

Module	Course	
Mathematics Modules		
1. Calculus I	MATH 1013 Introductory Calculus I AND MATH 1023 Introductory Calculus II	
2. Calculus II	MATH 2013 Advanced Calculus OR MATH 2753 Multivariate Calculus for Applied Science	
3. Linear Algebra	MATH 1333 Introduction to Linear Algebra OR MATH 2313 Linear Algebra 2	
Statistics and probability modules		
4. Mathematical Statistics	MATH 4213 Mathematical Statistics	
5. Linear Regression	MATH 3233 Regression	
6. Design of Experiments	MATH 3273 Design and Analysis of Experiments	If only one of these two courses is taken, the other must be replaced by a course from the list below.
7. Survey Sampling	MATH 3263 Sampling Theory	
8. Electives	Select three from MATH 3213 Probability MATH 3253 Nonparametric Statistical Inference MATH 3283 Time Series MATH 3293 Statistical Learning MATH 3633 Operational Research 2 Stochastic Models MATH 4223 Generalized Linear Models MATH 4233 Statistical Consulting	If a course is chosen as one of the three courses required to satisfy module 8, it MAY NOT be used to satisfy other modules.

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Computer Skills		
9. Computer skills I	COMP 1113 Computer Programming 1 OR APSC 1413 Computer Programming for Applied Science 1	
10. Computer skills II	Standard productive tools, common statistical packages, and nonstandard analysis are integrated throughout the courses. At least two of the following courses must be taken MATH 3253 Nonparametric Statistical Inference MATH 3283 Time Series MATH 3293 Statistical Learning MATH 3633 Operational Research 2: Stochastic Models MATH 4223 Generalized Linear Models MATH 4233 Statistical Consulting	A course listed under module 10 may be used in module 8 but not both.
Communication Skills		
11. Communication skills	Any one of: ENGL 1406 Writing and Reading Critically ENGL 1413 Writing and Reading Critically ENGL 1423 Writing and Reading Critically	
Substantive Area		
12. Course 1	9 upper division credit hours in a subject other than Mathematics or Statistics OR 6 upper division credit hours in each of two subjects other than Mathematics or Statistics.	
13. Course 2		
14. Course 3		

Expiry Date: 5 May 2023 .