

University of Ottawa

Department of Mathematics and Statistics

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

Module	Course	
Mathematics Modules		
1. Calculus I	MAT 1320 Calculus I	
2. Calculus II	MAT 1322 Calculus II	
3. Linear Algebra	MAT 1341 Introduction to Linear Algebra	
Statistics and probability modules		
4. Mathematical Statistics	MAT 4175 Introduction to Mathematical Statistics	
5. Linear Regression	MAT 3375 Regression Analysis	
6. Design of Experiments	MAT 3378 Analysis of Experimental Designs	(If only one of these two courses is taken, the other must be replaced by a course from the list below.)
7. Survey Sampling	MAT 3377 Sampling and Surveys	
8. Electives	Select three from MAT 3172 Foundations of Probability MAT 3379 Introduction to Time Series Analysis MAT 4371 Applied Probability MAT 4372 Financial Mathematics MAT 4374 Modern Computational Statistics MAT 4375 Multivariate Statistical Methods MAT 4376 Topics in Statistics MAT 4378 Categorical Data Analysis in Biostatistics	

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Computer Skills	
9. Computer skills I	ITI 1220 Introduction to Computing I
10. Computer skills II	Select two from (The same courses cannot be used to simultaneously satisfy both Computer Skills II and another requirement such as Design of Experiments, Survey Sampling, or Electives.) MAT 3377 Sampling and Surveys MAT 3378 Analysis of Experimental Designs MAT 3379 Introduction to Time Series Analysis MAT 4374 Modern Computational Statistics MAT 4375 Multivariate Statistical Methods MAT 4378 Categorical Data Analysis in Biostatistics
Communication Skills	
11. Communication skills	Select one of ENG1100 Workshop in Essay Writing ENG1112 Technical Report Writing ENG1131 Effective Business English
Substantive Area	
12. Course 1	Students must take three courses (9 credits) at the 3000 level in one area other than mathematics and statistics.
13. Course 2	
14. Course 3	

Expiry date: 20 July 2022 .