McMaster University
Department of Mathematics and Statistics

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

Module	Course	
Mathematics Modules		
1. Calculus I	Both MATH 1A03 Calculus for Science I and MATH 1AA3 Calculus for Science II OR Both MATH 1X03 Calculus for Math and Stats I and MATH 1XX3 Calculus for Math and Stats II	
2. Calculus II	MATH 2X03 Advanced Calculus I	
3. Linear Algebra	MATH 1B03 Linear Algebra I	
Statistics and probability modules		
4. Mathematical Statistics	STATS 3D03 Mathematical Statistics STATS 4CI3 Computational Methods for Inference	
5. Linear Regression	STATS 3A03 Applied Regression Analysis with SAS	
6. Design of Experiments	Not offered	(If only one of these two courses is taken, the other must be replaced by a course from the list below.)
7. Survey Sampling	STATS 3S03 Survey Sampling	
8. Electives	**Select three from** Any 3 courses from the following list. STATS 4P03 may not be used for this module if it is used for the *Communications Skills* or *Substantive Area* modules. STATS 3G03, 3H03, 3PG03 or 4D03 may not be used for this module if used for the *Substantive Area* module. STATS 3F03 Categorical Data Analysis STATS 3G03 Actuarial Mathematics I STATS 3H03 Actuarial Mathematics II STATS 3PG3 Probability of Games of Chance STATS 3U03 Stochastic Processes STATS 4A03 Time Series STATS 4C03 Generalized Linear Models STATS 4D03 Intermediate Probability STATS 4M03 Multivariate Analysis STATS 4P03 Advanced Applied Statistics	

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Computer Skills	
9. Computer skills I	Any two of the following courses. STATS 2MB3 Statistical Methods and Applications STATS 3A03 Applied Regression Analysis with SAS STATS 4C03 Generalized Linear Models STATS 4CI3 Computational Methods for Inference STATS 4M03 Multivariate Analysis STATS 4P03 Advanced Applied Statistics MATH 2T03 Numerical Analysis I
10. Computer skills II	See *Computer skills I* above.
Communication Skills	
11. Communication skills	STATS 4P03 Advanced Applied Statistics
Substantive Area	
12. Course 1 **13. Course 2** **14. Course 3**	Any 3 courses chosen from the following list and from 3rd and 4th year level courses within or outside the Department of Mathematics and Statistics with some application content. Also, documented 4-month co-op placements are acceptable. STATS 3G03 Actuarial Mathematics I STATS 3H03 Actuarial Mathematics II STATS 3PG3 Probability and Games of Chance STATS 4D03 Intermediate Probability STATS 4P03 Advanced Applied Statistics MATH 2FM3 Introduction to Mathematical Finance MATH 3FM3 Mathematical Finance MATH 4FM3 Financial Markets and Derivatives MATH 4MB3 Mathematical Biology

Expiry date: ___11 October 2021___.