## Accredited courses that may be used towards the A.Stat. designation. Students must earn at least 70% (or equivalent) in each course for it to count towards accreditation.

Module	Course		
Mathematics Modules			
1. Calculus I	{MATH 1013 Applied Calculus I OR MATH 1300		
	Differential Calculus with Applications}		
	AND		
	{MATH 1014 Applied Calculus II OR MATH 1310		
	Integral Calculus with Applications}		
2. Calculus II	{MATH 2015 Applied Multivariate and Vector		
	Calculus OR MATH 2310 Calculus of Several		
	Variables with Applications}		
3. Linear Algebra	MATH 1021 Linear Algebra I		
•	AND		
	MATH 2022 Linear Algebra II		
Statistics and probability r	tatistics and probability modules		
4. Mathematical	MATH 3131 Mathematical Statistics I		
Statistics	AND		
	MATH 3132 Mathematical Statistics II		
5. Linear Regression	MATH 3330 Regression Analysis		
6. Design of Experiments	MATH 4730 Experimental	If only one of	
	Design	these courses is	
7. Survey Sampling	MATH 3430 Sample Survey	taken, the other	
	Design	must be	
		replaced by a	
		course from the	
		list below.	
8. Electives	Select three from	If MATH 4931 is	
		chosen as one	
	MATH 3280 Actuarial	of the three	
	Mathematics	courses	
	MATH 3333 Data Analytics: A	required to	
	Hands-on Approach	satisfy module	
	MATH 4130B Topics in	8, it MAY NOT	
	Probability and Statistics:	be used to	
	Introduction to the Theory and	satisfy module	
	Methods of Time Series	10	
	Analysis		
	MATH 4130K Survival Analysis		
	MATH 4280 Risk Theory –		
	Loss Models and Risk		
	Measures		
	MATH 4281 Risk Theory –		

	Ruin and Credibility		
	MATH 4330 Applied		
	Categorical Data Analysis		
	MATH 4430 Stochastic		
	Processes		
	MATH 4630 Applied		
	Multivariate Statistical Analysis		
	MATH 4931 Simulation and		
	the Monte Carlo Method		
Computer Skills			
9. Computer skills I	LE/EECS 1560 Introduction to Computing for		
	Mathematics and Statistics		
10. Computer skills II	{MATH 4931 Simulation and	MATH 4931 may	
	the Monte Carlo Method	be used in	
	OR	EITHER module	
	MATH 4939 Statistical Data	8 or module 10,	
	Analysis Using SAS and R}	but not both	
Design of Experiments			
11. Communication skills	{WRIT 1702		
	OR		
	MATH 4000 Individual		
	Project}		
Substantive Area			
12. Course 1	A minor in an area other than St	atistics following	
13. Course 2	the York University calendar		
14. Course 3	OR		
14. Course 4	four courses at the 3000+ level in an area other		
	than Statistics (e.g. economics, biology, pure		
	mathematics, mathematical biology, sociology,		
	psychology). Note that at York, MATH courses		
	with a third digit of 3 are classified as Statistics		
	courses and cannot be used for this module.		

Expiry date: March 27, 2027 per approval on March 27, 2022.