Western University
Department of Statistical and Actuarial Sciences

List of accredited courses that may be used towards the A.Stat. designation.

Module	Accredited Courses
Mathematics Modules (3 courses)	
1. Calculus I	Calculus 1000 – Calculus I; or Calculus 1500 – Calculus I for the Mathematical Sciences
2. Calculus II	Calculus 1301 – Calculus II; or Calculus 1501 – Calculus II for Math. and Phys. Sciences
3. Linear Algebra	Mathematics 1600 – Linear Algebra I
Statistics and Probability Modules (7 courses)	
4. Mathematical Statistics	SS 3858 – Mathematical Statistics
5. Linear Regression	SS 3859 – Regression
6-10. Five courses among those listed, one of which must be *Experimental Design or Sampling Theory and Methods*.	SS 4846 – Experimental Design SS 4853 – Sampling Theory and Methods
	SS 3843 – Introduction to Study Design SS 3860 – Generalized Linear Models SS 3869 – Applied Linear Models SS 4654 – Markov Chains with Applications SS 4850 – Advanced Data Analysis SS 4860 – Advanced Regression SS 4861 – Time Series SS 3657 – Intermediate Probability SS 9657 – Advanced Probability
Computer Skills (2 courses)	
11-12. Two courses among those listed	SS 2864 – Statistical Programming DS 3000 – Introduction to Machine Learning SS 4864 – Advanced Statistical Computing
Communication Skills (1 course)	
13. Communication Skills One course among those listed.	SS 4844 – Data Analytics Consulting SS 4960 – Business Skills for Financial Professionals, Data Scientists and Other Quantitative Professionals SS 4999 – Project in Statistical Sciences
Substantive Area (3 courses)	
14. Course 1 15. Course 2 16. Course 3	A minor from another department following the academic calendar. Please contact the SSC if you have a minor in Mathematics to ensure that it will be acceptable; or Three courses at 3000^{+} level from a *single* area other than Statistics (e.g., Economics, Sociology).

Renewal Date: 2031-03-05