

# University of Canada Department of Statistics

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

Module	Course	
<b>Mathematics Modules</b>		
<b>1. Calculus I</b>	{MATH 101-3 Calculus I OR MATH 102-3 Enriched Calculus} AND MATH 103-3 Calculus II	
<b>2. Calculus II</b>	MATH 201-3 Calculus III	
<b>3. Linear Algebra</b>	MATH 221-3 Linear Algebra AND MATH 321-3 Advanced Linear Algebra	
<b>Statistics and probability modules</b>		
<b>4. Mathematical Statistics</b>	STAT 301-3 Mathematical Statistics I AND STAT 302-3 Mathematical Statistics II	
<b>5. Linear Regression</b>	STAT 401-3 Linear Models	
<b>6. Design of Experiments</b>	STAT 402-3 Experimental Design and Analysis	(If only one of STAT 402/403 is taken, the other must be replaced by a course from the list below.)
<b>7. Survey Sampling</b>	STAT 403-3 Survey Sampling Design and Analysis	
<b>8. Electives</b>	<b>Select three from</b> STAT 411-3 Nonparametric Statistics STAT 421-3 Methods for Multivariate Data STAT 431-3 Time Series Analysis STAT 441-3 Lifetime and Survival Analysis STAT 451-3 Computational Bayesian Methods STAT 461-3 Applied Probability Models	

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<b>Computer Skills</b>	
<b>9. Computer skills I</b>	CPSC 101-3 Computer Programming I OR CPSC 111-3 Introduction to Computer Systems and Programming
<b>10. Computer skills II</b>	CPSC 112-3 Computer Programming II OR STAT 351-3 Computational Statistical Methods
<b>Communication Skills</b>	
<b>11. Communication skills</b>	ENGL 170-3 Writing and Communication Skills OR ENGL 270-3 Expository Writing
<b>Substantive Area</b>	
<b>12. Course 1</b>	A three-course minor in another area, or two two- course minors, or by any set of related three courses. Most minors are acceptable except those whose application content may be minimal. Minors in applicable mathematics (e.g. operational research, applied mathematics) and actuarial science are acceptable.
<b>13. Course 2</b>	
<b>14. Course 3</b>	

Date of Expiration: 8 August 2026.