

University of British Columbia, Vancouver

Department of Statistics

Accredited courses that may be used towards the A.Stat. designation. A minimum grade of B- (68%) is proposed for each course used.

Module	Course
Mathematics Modules	
1. Calculus I	{MATH 100* Differential Calculus with Applications to Physical Sciences and Engineering MATH 104, Differential Calculus with Applications to Commerce and Social Sciences MATH 110 Differential Calculus MATH 120 Honours Differential Calculus MATH 180 Differential Calculus with Physical Applications MATH 184 Differential Calculus for Social Science and Commerce} AND {MATH 101* Integral Calculus with Applications to Physical Sciences and Engineering MATH 103 Integral Calculus with Applications to Life Sciences MATH 105 Integral Calculus with Applications to Commerce and Social Sciences MATH 121 Honours Integral Calculus} OR SCIE 001: Science One
2. Calculus II	MATH 200 Calculus III OR MATH 226 Advanced Calculus I
3. Linear Algebra	MATH 221 Matrix Algebra OR MATH 307 Applied Linear Algebra
Statistics and probability modules	
4. Mathematical Statistics	MATH/STAT 302 Introduction to Probability AND STAT 305 Introduction to Statistical Inference

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5. Linear Regression	STAT 306 Finding Relationships in Data	
6. Design of Experiments	STAT 404 Design and Analysis of Experiments	(If only one of these two
		courses is taken, the other must be replaced by a course from the list below.)
7. Survey Sampling	STAT 344 Sample Surveys	courses is taken, the other must be replaced by a course from the list below.)
8. Electives	Select three from STAT 300 Intermediate Statistics for Applications STAT 321/357 Stochastic Signals and Systems STAT 406 Methods for Statistical Learning STAT 443 Time Series and Forecasting STAT 450 Case Studies in Statistics STAT 460 Statistical Inference I STAT 461 Statistical Inference II	

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Computer Skills	
9. Computer skills I	CSPC 110: Computation, Programs, and Programming
10. Computer skills II	CPSC 210 Software Construction OR MATH 210 Introduction to Mathematical Computing
Communication Skills	
11. Communication skills	ENGL 110 Approaches to Literature ENGL 111 Approaches to Non-fictional Prose ENGL 112 Strategies for University Writing ENGL120 Literature and Criticism SCIE 113 First-Year Seminar in Science OR SCIE 300 Communicating Science
Substantive Area	
12. Course 1	A minor in another area, 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.
13. Course 2	
14. Course 3	

*Various courses are equivalent to MATH 100/101, covering the same calculus topics but with different application areas. SCIE 001 is UBC's Science One program, an integrated first year experience that covers all content common to the first year BSc Science program, including MATH 100 and MATH 101.

Date of Expiration: January 3, 2024