

# Dalhousie University

## Department of Mathematics & Statistics

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

Module	Course	
<b>Mathematics Modules</b>		
<b>1. Calculus I</b>	Either of MATH 1000.03: Differential and Integral Calculus I or MATH 1215.03: Calculus for Life Sciences, and MATH 1010.03: Differential and Integral Calculus II OR MATH 1500.06: Calculus	
<b>2. Calculus II</b>	MATH 2001.03: Intermediate Calculus I and MATH 2002.03: Intermediate Calculus II	
<b>3. Linear Algebra</b>	MATH 2030.03: Matrix Theory and Linear Algebra I and either MATH 2040.03: Linear Algebra II or MATH 2135.03: Linear Algebra	
<b>Statistics and probability modules</b>		
<b>4. Mathematical Statistics</b>	Both STAT 3360.03: Probability and STAT 3460.03: Intermediate Statistical Theory OR STAT 4066.03: Advanced Statistical Theory I	
<b>5. Linear Regression</b>	STAT 3340.03: Regression and Analysis of Variance	
<b>6. Design of Experiments</b>	STAT 3350.03: Design of Experiments	(If only one of these two courses is taken, the other must be replaced by a course from the list below.)
<b>7. Survey Sampling</b>	STAT 3380.03: Sample Survey Methods	
<b>8. Electives</b>	<b>Select three from</b>  STAT 4100/5100: Survival Analysis STAT 4130/5130: Bayesian Data Analysis STAT 4350/5350: Multivariate Analysis STAT 4370/5370: Stochastic Processes STAT 4390/5390: Time Series Analysis STAT 4620/5620: Data Analysis STAT 4703 OR STAT 4720: Actuarial Science STAT 5067: Advanced Statistical Theory II STAT 5550: Longitudinal Data Analysis STAT 5630: Methods for Molecular Evolution: STAT 5750: Statistical Data Mining STAT 4300/5300: Topics in Statistics and Probability STAT 5500: Topics in Advanced Statistics	

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<b>Computer Skills</b>	
<b>9. Computer skills I</b>	CSCI 1100.03: Computer Science I
<b>10. Computer skills II</b>	CSCI 1101.03: Computer Science II
<b>Communication Skills</b>	
<b>11. Communication skills</b>	<p>ENGL 1100.03: Writing for University OR any two of the following courses.</p> <p>CLAS 1010.06: Ancient History:            CLAS 1100.06: Gods, Heroes, and Monsters: Ancient Mythology            ENGL 1000.06: Introduction to Literature            JOUR 1001.06: Foundations of Journalism            PHIL 1010.06: Introduction to Philosophy            POLI 1103.06: Introduction to Government and Politics            SUST 1000.06: Introduction to Environment, Sustainability and Society I            HIST 1510.06: History of the Future            ENGL 1010.03: Prose and Fiction            ENGL 1020.03: Poetry and Drama:            ENGL 1040.03: Reading Popular Culture            ENGL 1050.03: Pulp Fiction            HIST 1022.03: European History I            HIST 1023.03: European History II            HIST 1503.03: Comparative Global History,            HIST 1504.03: Origins of Modern Global Society,            HIST 1006.03: The Idea of the Past            (NOTE: These are all approved as Writing Requirements for BSc degrees at Dalhousie)</p>
<b>Substantive Area</b>	
<b>12. Course 1</b>	A 3 course minor in a subject other than MATH or STAT OR any 3 courses at the 3000+ level from one subject other than MATH or STAT
<b>13. Course 2</b>	
<b>14. Course 3</b>	

Expiry date: 29 September 2021 .