

Carleton University

School of Mathematics and Statistics

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

| Module | Accredited courses |
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| Mathematical Modules (3 courses) | |
| 1. Calculus I | MATH 1002 (Calculus I) or MATH 1007 (Elementary Calculus I) |
| 2. Calculus II | MATH 2000 (Calculus II) |
| 3. Linear Algebra | MATH 1107 (Linear algebra), MATH 1102 (Algebra I), or MATH 2100 (Algebra II) |
| Statistics and Probability modules (8 courses) | |
| 4. Mathematical Statistics (2 courses) | STAT 3508 (Elements of Probability) or STAT 3558 (Elements of Probability Honours) and STAT 3509 (Mathematical Statistics) or STAT 3559 (Mathematical Statistics Honours) |
| 5. Linear Regression | STAT 3503 (Regression modelling) or STAT 3559 (Regression modelling Honours) |
| 6. Design of Experiment | STAT 3504 (ANOVA and experimental design) |
| 7. Survey Sampling | STAT 3507 (Sampling methodology) |
| 8. Stat Elective | Any three courses from |
| 9. Stat Elective | STAT 3506 (Stochastic Processes and Applications) |
| 10. Stat Elective | STAT 4500 (Parametric Estimation) STAT 4502 (Survey Sampling) STAT 4503 (Applied Multivariate Analysis) STAT 4506 (Nonparametric Methods) STAT 4507 (Statistical Inference) |

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| | <p>STAT 4508 (Stochastic Models)</p> <p>STAT 4555 (Monte Carlo Simulation)</p> <p>STAT 4601 (Data Mining I)</p> <p>STAT 4603 (Time Series and Forecasting)</p> <p>STAT 4604 (Statistical Computing)</p> |
| Computer Skills (2 courses) | |
| 11. Computer skills I | COMP 1005 (Introduction to Computer Science I) |
| 12. Computer skills II | COMP 1006 (Introduction to Computer Science II) |
| Communication Skills (1 courses) | |
| 13. Communication skills | Any Writing Intensive course offered at Carleton University. |
| Substantive Area (3 courses) | |
| 14. Course 1 | A 3-course minor from another Department following Carleton University calendar, or three courses at 300+ level from one area other than Math and Stat. A co-op work term can be used in lieu of one course. Please contact SSC for more details |

Approved by the Accreditation Committee September 23, 2014