

**Bachelor of Commerce – Actuarial Studies with  
Bachelor of Science in Mathematics (BCom – ActStud BSc)  
Recommended Program 2004 Intake**

Code: ACT12

Last updated: 16-Jan-04

| Unit Code             | Unit Name   | Credit Points | Exemption Subject |
|-----------------------|---|---------------|-------------------|
| <b>First Year</b>     |   |               |                   |
| ACST151               | Introduction to Actuarial Studies                                       | 3             |                   |
| ECON110               | Macroeconomic Principles  | 3             |                   |
| STAT171               | Statistical Data Analysis   | 3             |                   |
| COMP115 or<br>COMP125 | Introduction to Computer Science or<br>Fundamentals of Computer Science | 3             |                   |
| ACST101               | Techniques and Elements of Finance                                      | 3             |                   |
| ACST211               | Combinatorial Probability   | 3             |                   |
| ACCG105               | Introductory Financial Accounting                                       | 3             | CT2               |
| ECON111               | Microeconomic Principles  | 3             | CT7               |
| MATH133               | Mathematics 1B (Advanced)   | 3             |                   |
|                       |   | 27            |                   |
| <b>Second Year</b>    |   |               |                   |
| ACST200               | Mathematics of Finance  | 4             | CT1               |
| STAT272               | Probability   | 3             | CT3               |
| ACCG253               | Financial Management  | 3             | CT2               |
| MATH235               | Mathematics IIA   | 3             |                   |
| ACST255               | Contingent Payments 1   | 3             | CT5               |
| STAT271               | Statistics I  | 3             | CT3               |
| ECON201               | Macroeconomic Analysis  | 4             | CT7               |
| MATH236               | Mathematics IIB   | 3             |                   |
|                       |   | 26            |                   |
| <b>Third Year</b>     |   |               |                   |
| ACST300               | Insurance and Superannuation Practice                                   | 4             |                   |
| ACST354               | Survival Models   | 4             | CT4               |
| ACST356               | Mathematical Theory of Risk   | 3             | CT6               |
| ACST305               | Quantitative Methods for Asset Liability Management                     | 4             | CT8               |
| ACST355               | Contingent Payments 2   | 3             | CT5               |
| ACST357               | General Insurance Pricing and Reserving                                 | 3             | CT6               |
| MATH237               | Mathematics IIC   | 3             |                   |
|                       |   | 24            |                   |
| <b>Fourth Year</b>    |   |               |                   |
| ACST400               | Actuarial Control Cycle 1   | 4             | Part II           |
| MATH335               | Mathematical Methods  | 3             |                   |
| MATH337               | Algebra IIIA  | 3             |                   |
| ACST401               | Actuarial Control Cycle 2   | 4             | Part II           |
| MATH336               | Differential Equations  | 3             |                   |
| MATH338 or<br>MATH339 | Algebra IIIB or<br>Real and Functional Analysis                         | 3             |                   |
|                       |   | 20            |                   |