

**Bachelor of Commerce – Actuarial Studies with
Bachelor of Science in Computing (BCom – ActStud BSc)
Recommended Program 2005 Intake**

Code: ACT11

Last updated: 19-Oct-05

Unit Code	Unit Name	Credit Points	Exemption Subject
First Year			
ACST151	Introduction to Actuarial Studies	3	
ECON110	Macroeconomic Principles	3	
STAT171	Statistical Data Analysis	3	
COMP125	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	
Second Year			
ACST200	Mathematics of Finance	4	CT1
STAT272	Probability	3	CT3
ACCG253	Financial Management	3	CT2
COMP225	Algorithms and Data Structures	3	
ACST255	Contingent Payments 1	3	CT5
STAT271	Statistics I	3	CT3
ECON201	Macroeconomic Analysis	4	CT7
COMP226	Computer Architecture	3	
		26	
Third Year			
ACST300	Insurance and Superannuation Practice	4	
ACST354	Survival Models	4	CT4
ACST356	Mathematical Theory of Risk	3	CT6
COMP229 or COMP238 or COMP249	Object-Oriented Programming Practices Numerical Computing or Web Technology	3	
ACST305	Quantitative Methods for Asset Liability Management	4	CT8
ACST355	Contingent Payments 2	3	CT5
ACST357	General Insurance Pricing and Reserving	3	CT6
COMP248 or MATH237	Language Technology or Mathematics IIC	3	
		27	
Fourth Year			
ACST400	Actuarial Control Cycle 1	4	Part II
COMP3..	Computing Elective	3	
COMP3..	Computing Elective	3	
ACST401	Actuarial Control Cycle 2	4	Part II
COMP3..	Computing Elective	3	
COMP3..	Computing Elective	3	
		20	

A minimum of four 300-level COMP units are required from more than ten which are offered. You should select the appropriate 200-level COMP units which are prerequisites for the chosen 300-level units.

Revision History: 04-Jan-05: Initial version. 19-Oct-05: Adjusted 3rd and 4th year program to allow for new COMP units and change of semesters for some COMP and MATH units.