

Course progression map for 2025 commencing students

This progression map is a guide only. It does not substitute for the list of required units as outlined in the course 'Requirements' section of the Handbook. The order of units can be rearranged, if applicable prerequisite requirements are met. The unit offering information is correct at the time of publication, however changes may occur. You are advised to check with the relevant Faculty Student Services staff when planning your course and refer to the Handbook entry for each unit prior to the start of each semester.

B2033 Bachelor of Actuarial Science

Actuarial Studies specialisation

Year 1 Semester 1	ACC1100 Introduction to financial accounting	ECC1000 Principles of microeconomics	ECC1100 Principles of macroeconomics	ETC1000 Business and economic statistics
Year 1 Semester 2	BFC2140 Corporate finance	ETC2410 Introductory econometrics	ETC2520 Probability and statistical inference for economics and business	Free elective study unit 1
Year 2 Semester 1	ETC2430 Actuarial cash flow modelling	ETC2440 Mathematics for economics and business	ETC3550 Applied forecasting	Free elective study unit 2
Year 2 Semester 2	ETC2560 Statistical modelling for actuarial studies	ETC3420 Applied insurance methods	Free elective study unit 3	Free elective study unit 4
Year 3 Semester 1	ETC3430 Financial mathematics under uncertainty	ETC3460 Financial econometrics	Free elective study unit 5	Free elective study unit 6
Year 3 Semester 2	Capstone unit ETC3530 Life insurance mathematics	ETC3520 Foundations of quantitative finance	Free elective study unit 7	Free elective study unit 8

Part A	Foundation commerce knowledge
Part B	Foundation discipline knowledge
Part C	Advanced discipline knowledge
Part D	Free elective study

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Actuarial Analytics specialisation

Year 1 Semester 1	ACC1100 Introduction to financial accounting	ECC1000 Principles of microeconomics	ECC1100 Principles of macroeconomics	ETC1000 Business and economic statistics
Year 1 Semester 2	ETC1010 Introduction to data analysis	ETC2410 Introductory econometrics	ETC2520 Probability and statistical inference for economics and business	Free elective study unit 1
Year 2 Semester 1	ETC2430 Actuarial cash flow modelling	ETC2440 Mathematics for economics and business	ETC3550 Applied forecasting	Free elective study unit 2
Year 2 Semester 2	ETC2420 Statistical thinking	ETC2560 Statistical modelling for actuarial studies	Free elective study unit 3	Free elective study unit 4
Year 3 Semester 1	ETC3250 Introduction to machine learning	Capstone unit ETC3580 Advanced statistical modelling	Free elective study unit 5	Free elective study unit 6
Year 3 Semester 2	ETF3500 High dimensional data analysis	ETC3555 Statistical machine learning	Free elective study unit 7	Free elective study unit 8

Part A	Foundation commerce knowledge
Part B	Foundation discipline knowledge
Part C	Advanced discipline knowledge
Part D	Free elective study