

## Course progression map for 2024 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.

### B6060 Bachelor of Actuarial Science and Master of Actuarial Studies

#### Stage 1 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	Additional Actuarial Studies unit 1	Additional Actuarial Studies unit 2
Year 3 Semester 2	Capstone unit ETC3530 Life insurance mathematics	ETC3520 Foundations of quantitative finance	Additional Actuarial Studies unit 3	Additional Actuarial Studies unit 4

Part A	Foundation commerce knowledge
Part B	Foundation discipline knowledge
Part C	Advanced discipline knowledge
Part D	Application studies

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### B6060 Bachelor of Actuarial Science and Master of Actuarial Studies

#### Stage 2. Master of Actuarial Studies

Year 1 Semester 1	ETC4110 Actuarial practice 1	ETC5250 Introduction to machine learning	Actuarial Studies unit 1 from specified list	Actuarial Studies unit 2 from specified list
Year 1 Semester 2	ETC4120 Actuarial practice 2	Actuarial Studies unit 3 from specified list	Actuarial Studies unit 4 from specified list	Actuarial Studies unit 5 from specified list

Part B Mastery knowledge

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### Stage 1 Bachelor of Actuarial Science

#### 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	Additional actuarial studies unit 1	Additional actuarial studies unit 2
Year 3 Semester 2	ETF3500 High dimensional data analysis	ETC3555 Statistical machine learning	Additional actuarial studies unit 3	Additional actuarial studies unit 4

Part A	Foundation commerce knowledge
Part B	Foundation discipline knowledge
Part C	Advanced discipline knowledge
Part D	Application studies

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#### Stage 2. Master of Actuarial Studies

Year 1 Semester 1	ETC4110 Actuarial practice 1	Mastery knowledge unit*	Advanced Actuarial Studies unit 1 from specified list	Advanced Actuarial Studies unit 2 from specified list
Year 1 Semester 2	ETC4120 Actuarial practice 2	Advanced Actuarial Studies unit 3 from specified list	Advanced Actuarial Studies unit 4 from specified list	Advanced Actuarial Studies unit 5 from specified list

\*Refer to the Handbook for further information

Part B Mastery knowledge