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# Bachelor of Actuarial Studies / Computer Science 3674 Progression Plan for 2023 Commencing Students

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## Program and Course Terminology

Please refer to the 2023 Handbook for the program and major rules: <https://www.handbook.unsw.edu.au/undergraduate/programs/2023/3674>

Terminology	Definition
<b>Program compulsory core courses</b>	60UOC of compulsory core courses which students must complete under this degree.
<b>Level 2 Actuarial Studies Core Courses</b>	Students must complete 24UOC (4 courses) of Level 2 Actuarial Studies Core Courses. Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, MATH2901 will count towards ACTL2131, and MATH2931 will be counted towards a major where this course is required or as a free elective.
<b>Level 3 Actuarial Studies Elective Courses</b>	Students must complete 24UOC (4 courses) of Actuarial Studies Level 3 Core Courses.
<b>UNSW Business School Elective</b>	12UOC in UNSW Business School courses to ensure a student completes a minimum of 96UOC of Business courses within the UNSW Business School.  GEN courses cannot count as Business School Electives.
<b>Optional Actuarial Studies Majors</b>	Students who wish to complete an optional Actuarial Studies major (ACTLE1, MATHE1) WILL be required to complete additional UOC (Exceed 96UOC). If students do not complete an optional Actuarial Studies major, students will complete program with a default major by completing program requirements.

**PLEASE USE THIS DIAGRAM AS REFERENCE ONLY. IT DOES NOT REPLACE THE HANDBOOK AS GUIDE FOR PROGRAM REQUIREMENTS.**

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**Table A. Default Actuarial Studies Major**

Level 1 Actuarial Studies Core Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Elective Courses (Choose 4 courses)		UNSW Business School Electives	
(36UOC)		(24UOC)		(24UOC)		(12UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	ACTL3141	<input type="checkbox"/>		<input type="checkbox"/>
COMM1140	<input type="checkbox"/>	ACTL2111	<input type="checkbox"/>	ACTL3142	<input type="checkbox"/>		<input type="checkbox"/>
COMM1170	<input type="checkbox"/>	ACTL2131*	<input type="checkbox"/>	ACTL3151	<input type="checkbox"/>		
COMM1180	<input type="checkbox"/>	COMM2501	<input type="checkbox"/>	ACTL3162	<input type="checkbox"/>		
ECON1101	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>		
ECON1102	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>		
MATH1151				ACTL3192	<input type="checkbox"/>		
MATH1251				ACTL3301	<input type="checkbox"/>		
				ACTL3143	<input type="checkbox"/>		

\*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, MATH2901 will count towards ACTL2131, and MATH2931 will be counted towards a major where this course is required or as a free elective.

**MATH1151 and MATH1251 are compulsory courses that count towards the Computer Science component. Student will need to take 12UOC of Business School electives to meet minimum of 96UOC Business School courses for the Actuarial Studies requirement**

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Table B1. Optional Actuarial Studies major: **Actuarial Risk Management and Analytics (ACTLE1)** (48 UOC)

Level 1 Actuarial Studies Core Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Core Courses <i>(Choose ACTL3142 and 3 more courses from this list (NOT ACTL3151 / ACTL3143) to meet major and level 3 Actuarial Studies core course requirements)</i>		Actuarial Risk Management and Analytics (ACTLE1)	
(36UOC)		(24UOC)		(24UOC)		(24UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	ACTL3141	<input type="checkbox"/>	RISK2001	<input type="checkbox"/>
COMM1140	<input type="checkbox"/>	ACTL2111	<input type="checkbox"/>	ACTL3142	<input type="checkbox"/>	ACTLE1 Elective	<input type="checkbox"/>
COMM1170	<input type="checkbox"/>	ACTL2131*	<input type="checkbox"/>	ACTL3151 X		ACTLE1 Elective <i>Additional UOC</i>	<input type="checkbox"/>
COMM1180	<input type="checkbox"/>	COMM2501	<input type="checkbox"/>	ACTL3162	<input type="checkbox"/>	ACTLE1 Elective <i>Additional UOC</i>	<input type="checkbox"/>
ECON1101	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>		
ECON1102	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>		
MATH1151				ACTL3192	<input type="checkbox"/>		
MATH1251				ACTL3301	<input type="checkbox"/>		
				ACTL3143 X			

\*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, MATH2901 will count towards ACTL2131, and MATH2931 will be counted towards a major where this course is required or as a free elective.  
 X Note: ACTL3151 and ACTL3143 are not Actuarial Risk Management and Analytics major electives  
**Additional UOC must be completed via [non-award studies](#).**  
**MATH1151 and MATH1251 are compulsory courses that count towards the Computer Science component. Student will need to take 12UOC of Business School electives to meet minimum of 96UOC Business School courses for the Actuarial Studies requirement**

Note: Student will take **12 additional UOC** to compete major requirement

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Please refer to the 2023 Handbook for the program and major rules: <https://www.handbook.unsw.edu.au/undergraduate/programs/2023/3674>

Table B2. Optional Actuarial Studies major: **Quantitative Data Science (MATHE1)** (66 UOC)

Level 1 Actuarial Studies Core Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Elective Courses <i>(Choose <b>ACTL3141</b> and <b>ACTL3142</b> and 2 more courses from this list)</i>		Quantitative Data Science (MATHE1)	
(36UOC)		(24UOC)		(24UOC)		(30UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	<b>ACTL3141</b>	<input type="checkbox"/>	<b>MATH2931</b> <i>(in place of MATH2831)</i>	<input type="checkbox"/>
COMM1140	<input type="checkbox"/>	ACTL2111	<input type="checkbox"/>	<b>ACTL3142</b>	<input type="checkbox"/>	<b>MATH2871</b>	<input type="checkbox"/>
COMM1170	<input type="checkbox"/>	<del>ACTL2131*</del> <b>MATH2901</b>	<input type="checkbox"/>	ACTL3151	<input type="checkbox"/>	<b>MATHE1 Elective</b> <i>Additional UOC</i>	<input type="checkbox"/>
COMM1180	<input type="checkbox"/>	COMM2501	<input type="checkbox"/>	ACTL3162	<input type="checkbox"/>	<b>MATH3821</b> <i>Additional UOC</i>	<input type="checkbox"/>
ECON1101	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>	<b>MATH3871</b> <i>Additional UOC</i>	<input type="checkbox"/>
<b>ECON1102</b>	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>		
<b>MATH1151</b>				ACTL3192	<input type="checkbox"/>		
<b>MATH1251</b>				ACTL3301	<input type="checkbox"/>		
				ACTL3143	<input type="checkbox"/>		

\*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, MATH2901 will count towards ACTL2131, and MATH2931 will be counted towards a major where this course is required or as a free elective.

Additional UOC must be completed via [non-award studies](#).

**MATH1151 and MATH1251 are compulsory courses that count towards the Computer Science component. Student will need to take 12UOC of Business School electives to meet minimum of 96UOC Business School courses for the Actuarial Studies requirement**

Note: Student will take **18 additional UOC** to complete major requirement

**PLEASE USE THIS DIAGRAM AS REFERENCE ONLY. IT DOES NOT REPLACE THE HANDBOOK AS GUIDE FOR PROGRAM REQUIREMENTS.**

**STUDENTS NEEDS TO CHECK THE ACTUARIES INSTITUTE AND [THE BUSINESS SCHOOL WEBPAGE](#) FOR ANY UPDATES ON EXEMPTION REQUIREMENTS**

Please refer to the 2023 Handbook for the program and major rules: <https://www.handbook.unsw.edu.au/undergraduate/programs/2023/3674>

Example: Actuarial Studies major (Default) and meet the Actuaries Institute Foundation Program^ and Actuary Program# requirements

Level 1 Actuarial Studies Core Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Elective Courses		UNSW Business School Electives	
(36UOC)		(24UOC)		(24UOC)		(12UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102^	<input type="checkbox"/>	ACTL3141^	<input type="checkbox"/>	ACTL3301^	<input type="checkbox"/>
COMM1140^	<input type="checkbox"/>	ACTL2111^	<input type="checkbox"/>	ACTL3142^	<input type="checkbox"/>	ACTL3182^	<input type="checkbox"/>
COMM1170^	<input type="checkbox"/>	ACTL2131*^	<input type="checkbox"/>	ACTL3151^	<input type="checkbox"/>	ACTL4001# <i>Additional UOC</i>	<input type="checkbox"/>
COMM1180^	<input type="checkbox"/>	COMM2501	<input type="checkbox"/>	ACTL3162^	<input type="checkbox"/>	ACTL4002# <i>Additional UOC</i>	<input type="checkbox"/>
ECON1101^	<input type="checkbox"/>				<input type="checkbox"/>	ACTL4305# <i>Additional UOC</i>	<input type="checkbox"/>
ECON1102^	<input type="checkbox"/>				<input type="checkbox"/>		
MATH1151					<input type="checkbox"/>		
MATH1251					<input type="checkbox"/>		

\*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, MATH2901 will count towards ACTL2131, and MATH2931 will be counted towards a major where this course is required or as a free elective. MATH2901 will meet exemption requirements.

**Additional UOC must be completed via [non-award studies](#).**

**MATH1151 and MATH1251 are compulsory courses that count towards the Computer Science component. Student will need to take 12UOC of Business School electives to meet minimum of 96UOC Business School courses for the Actuarial Studies requirement**

Note: Student will take **18 additional UOC** to complete exemption requirements

### First Year Recommended Enrolment Plan

**PLEASE USE THIS RECOMMENDATION AS REFERENCE ONLY – Plan may not be suitable for your chosen major(s) / minor requirement OR due to changed offering terms**

Commencing in T1		
T1 Enrolment	T2 Enrolment	T3 Enrolment
COMP1511	ACTL1101	COMP1521/COMP1531/COMP2521
COMM1140	ECON1101	COMM1170
MATH1151	MATH1251	

Commencing in T2		
T2 Enrolment	T3 Enrolment	T1 Enrolment
COMM1140	COMM1170	MATH1151
COMP1511	ECON1101	ECON1102
	COMP1521/COMP1531/COMP2521	COMM1180

Commencing in T3		
T3 Enrolment	T1 Enrolment	T2 Enrolment
COMM1140	MATH1151	MATH1251
ECON1101	COMM1170	COMM1180
COMP1511	COMP1521/COMP1531/COMP2521	ACTL1101

Note: For Computer Science component study, you may refer to the [study plan](#) for reference, or contact [Engineering Student Services](#)

Level 1 and Level 2 Computer Science core courses are offered in all standard terms. You may take courses from Faculty of Business first if COMP1511 or any other Computer Science course is full.