

# Bachelor of Actuarial Studies / Information Systems 3671

## Progression Plan for 2024 Commencing Students

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## Program and Course Terminology

Please refer to the 2024 Handbook for the program and major rules: <https://www.handbook.unsw.edu.au/undergraduate/programs/2024/3671>

Terminology	Definition
<b>Compulsory First-Year Courses</b>	Students must complete 54UOC (9 courses) of First-Year core course required for Actuarial Studies and Information Systems.
<b>Compulsory Information Systems Core Courses</b>	Students must complete 72UOC (12 courses) of level 1, 2 and 3 Information Systems Core Courses.
<b>Work Integrated Learning Course (WIL)</b>	Students must complete 6 UOC Work Integrated Learning (WIL) course within their program. This course can count as a free elective or where applicable, can count as a Commerce major elective or Synthesis course. Students who complete INFS3020 will also complete 6UOC of Prescribed Information Systems Electives.
<b>Level 2 Actuarial Studies Core Courses</b>	<p>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.</p> <p>Students in this program can complete INFS3603 in place of COMM2501. If students make this substitution, INFS3603 will count as an Actuarial Studies level 2 core and an Information Systems Prescribed elective. Please note that INFS3603 is still only worth 6UOC. See Table A1 for progression plan diagram.</p>
<b>Level 3 Actuarial Studies Elective Courses</b>	<p>Students must complete 24UOC (4 courses) of Actuarial Studies Level 3 electives.</p> <p>Students in this program can complete ACTL3142 in place of INFS3873. If students make this substitution, ACTL3142 will count as an Actuarial Studies level 3 elective and an Information Systems Prescribed elective. Please note that ACTL3142 is still only worth 6UOC. See Table A1 for progression plan diagram.</p>
<b>Prescribed Information Systems Electives</b>	<p>Students must complete 12UOC (2 courses) of Information Systems electives to focus on skills in data analytics, programming and/or information systems in organisations. Students who complete INFS3020 will also satisfy the WIL requirement and will need to complete 6UOC of Free Electives.</p> <p>Students in this program can complete INFS3603 in place of COMM2501. If students make this substitution, INFS3603 will count as an Actuarial Studies level 2 core and an Information Systems Prescribed elective. Please note that INFS3603 is still only worth 6UOC. See Table A1 for progression plan diagram.</p>

	Students in this program can complete ACTL3142 in place of INFS3873. If students make this substitution, ACTL3142 will count as an Actuarial Studies level 3 elective and an Information Systems Prescribed elective. Please note that ACTL3142 is still only worth 6UOC. See Table A1 for progression plan diagram.
<b>Optional Actuarial Studies Majors</b>	<p>Students may wish to complete an optional Actuarial Studies major (ACTLE1, MATHE1). If students do not complete an optional Actuarial Studies major, students will complete program with a default major by completing program requirements.</p> <p>Note: Students in this program will exceed the minimum required 192UOC if they choose to complete an optional Actuarial Studies Major. Students cannot complete both a default major and an optional Actuarial Studies major.</p>
<b>Free Electives</b>	<p>Free electives will be available for students who completes ACTL3142 and/or INFS3603 as substitutes. It will also be available for students who completed INFS3020 as it fulfills both the WIL requirement and 6UOC of prescribed Information Systems electives.</p> <p>These courses may be taken from the Business School or other Faculties. GEN coded courses cannot be counted as free electives. You may choose to use these Free Electives to complete an optional approved major (additional UOC may apply)</p>
<b>Level 1 limit</b>	The maximum level one limit in this degree is 72UOC (12 courses).
<b>Overall Program UOC</b>	Students must complete a minimum of 192 UOC (32 courses) across 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. Actuarial Studies (Default) and Information Systems**

Compulsory First-Year Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Electives (Choose 4 courses)		Information Systems Core Courses		Prescribed Information Systems Electives (Choose 2 courses)		Compulsory WIL (Choose 1 course)		Free Electives (Can be a course from the Business School or other Faculties)	
(48UOC)		(24UOC)		(24UOC)		(72UOC)		(12UOC)		(6UOC)		(6UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	ACTL3141	<input type="checkbox"/>	INFS1602	<input type="checkbox"/>	INFS3603	<input type="checkbox"/>	COMM2222	<input type="checkbox"/>		<input type="checkbox"/>
COMM1140	<input type="checkbox"/>	ACTL2111	<input type="checkbox"/>	ACTL3142	<input type="checkbox"/>	INFS1603	<input type="checkbox"/>	INFS3830	<input type="checkbox"/>	COMM2233	<input type="checkbox"/>		
COMM1170	<input type="checkbox"/>	ACTL2131*	<input type="checkbox"/>	ACTL3143	<input type="checkbox"/>	INFS1701	<input type="checkbox"/>	INFS3873	<input type="checkbox"/>	COMM3030	<input type="checkbox"/>		
COMM1180	<input type="checkbox"/>	COMM2501	<input type="checkbox"/>	ACTL3151	<input type="checkbox"/>	INFS2603	<input type="checkbox"/>	INFS3822	<input type="checkbox"/>	INFS3020*	<input type="checkbox"/>		
ECON1101	<input type="checkbox"/>			ACTL3162	<input type="checkbox"/>	INFS2608	<input type="checkbox"/>	INFS2609	<input type="checkbox"/>				
ECON1102	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>	INFS2701	<input type="checkbox"/>	INFS3634	<input type="checkbox"/>				
MATH1151	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>	INFS2822	<input type="checkbox"/>	INFS2631	<input type="checkbox"/>				
MATH1251	<input type="checkbox"/>			ACTL3192	<input type="checkbox"/>	INFS3604	<input type="checkbox"/>	INFS2702	<input type="checkbox"/>				
				ACTL3301	<input type="checkbox"/>	INFS3605	<input type="checkbox"/>	INFS3020	<input type="checkbox"/>				
						INFS3700	<input type="checkbox"/>						
						INFS3701	<input type="checkbox"/>						
						INFS3703	<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.

\*Completing INFS3020 will satisfy both the WIL requirement and 6UOC of Prescribed Information Systems Electives. Student will then have to complete another 6UOC of Free Electives to satisfy the requirement of completing a minimum of 192UOC across the program.

**Note:** Act/Infs students can complete INFS3603 to substitute COMM2501 requirements and complete ACTL3142 to substitute INFS3873 (6 UOC Information Systems Prescribed Elective), allowing room in program to complete Actuarial Exemption requirements and program requirements. See Example 1 below.

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**Table A1. Actuarial Studies (Default) and Information Systems with Substitution**

Compulsory First-Year Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Electives (Choose ACTL3142 and 3 courses)		Information Systems Core Courses		Information Systems Prescribed Electives		Compulsory WIL (Choose 1 course)		Free Electives (Can be a course from the Business School or other Faculties)	
(48UOC)		(18UOC)		(24UOC)		(72UOC)		(6UOC)		(6UOC)		(18UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	ACTL3141	<input type="checkbox"/>	INFS1602	<input type="checkbox"/>	INFS3603	<input type="checkbox"/>	COMM2222	<input type="checkbox"/>		<input type="checkbox"/>
COMM1140	<input type="checkbox"/>	ACTL2111	<input type="checkbox"/>	ACTL3142	<input type="checkbox"/>	INFS1603	<input type="checkbox"/>			COMM2233	<input type="checkbox"/>		<input type="checkbox"/>
COMM1170	<input type="checkbox"/>	ACTL2131*	<input type="checkbox"/>	ACTL3143	<input type="checkbox"/>	INFS1701	<input type="checkbox"/>			COMM3030	<input type="checkbox"/>		<input type="checkbox"/>
COMM1180	<input type="checkbox"/>			ACTL3151	<input type="checkbox"/>	INFS2603	<input type="checkbox"/>			INFS3020	<input type="checkbox"/>		
ECON1101	<input type="checkbox"/>			ACTL3162	<input type="checkbox"/>	INFS2608	<input type="checkbox"/>						
ECON1102	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>	INFS2701	<input type="checkbox"/>						
MATH1151	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>	INFS2822	<input type="checkbox"/>						
MATH1251	<input type="checkbox"/>			ACTL3192	<input type="checkbox"/>	INFS3604	<input type="checkbox"/>						
				ACTL3301	<input type="checkbox"/>	INFS3605	<input type="checkbox"/>						
						INFS3700	<input type="checkbox"/>						
						INFS3701	<input type="checkbox"/>						
						INFS3703	<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.

**Note:** Actl/Infs students can complete **INFS3603** to substitute **COMM2501** requirements and complete **ACTL3142** to substitute **INFS3873** (6 UOC Information Systems Prescribed Elective), allowing room in program to complete Actuarial Exemption requirements and program requirements. **This is a one-way substitution** (i.e., Completing **COMM2501** **DOES NOT** substitute Information Systems Prescribed electives. Completing **INFS3873** **DOES NOT** substitute Level 3 Actuarial Studies Electives).

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

Please refer to the 2024 Handbook for the program and major rules: <https://www.handbook.unsw.edu.au/undergraduate/programs/2024/3671>

**Example 1: Actuarial Studies (Default) and Information Systems and meet the Actuaries Institute Foundation Program^ with Substitution**

Compulsory First-Year Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Electives		Information Systems Core Courses		Information Systems Prescribed Electives		Compulsory WIL (Choose 1 course)		Free Electives (Can be a course from the Business School or other Faculties)	
(48UOC)		(18UOC)		(24UOC)		(72UOC)		(6UOC)		(6UOC)		(18UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102^	<input type="checkbox"/>	ACTL3141^	<input type="checkbox"/>	INFS1602	<input type="checkbox"/>	INFS3603	<input type="checkbox"/>	COMM2222	<input type="checkbox"/>	ACTL3182^	<input type="checkbox"/>
COMM1140^	<input type="checkbox"/>	ACTL2111^	<input type="checkbox"/>	ACTL3142^	<input type="checkbox"/>	INFS1603	<input type="checkbox"/>			COMM2233	<input type="checkbox"/>	ACTL3301^	<input type="checkbox"/>
COMM1170^	<input type="checkbox"/>	ACTL2131*^	<input type="checkbox"/>	ACTL3151^	<input type="checkbox"/>	INFS1701	<input type="checkbox"/>			COMM3030	<input type="checkbox"/>		<input type="checkbox"/>
COMM1180^	<input type="checkbox"/>			ACTL3162^	<input type="checkbox"/>	INFS2603	<input type="checkbox"/>			INFS3020	<input type="checkbox"/>		
ECON1101^	<input type="checkbox"/>					INFS2608	<input type="checkbox"/>						
ECON1102^	<input type="checkbox"/>					INFS2701	<input type="checkbox"/>						
MATH1151	<input type="checkbox"/>					INFS2822	<input type="checkbox"/>						
MATH1251	<input type="checkbox"/>					INFS3604	<input type="checkbox"/>						
						INFS3605	<input type="checkbox"/>						
						INFS3700	<input type="checkbox"/>						
						INFS3701	<input type="checkbox"/>						
						INFS3703	<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 count towards exemption requirements.

**Note:** Actl/Infs students can complete **INFS3603** to substitute **COMM2501** requirements and complete **ACTL3142** to substitute **INFS3873 (6 UOC Information Systems Prescribed Elective)**, allowing room in program to complete Actuarial Exemption requirements and program requirements. **This is a one-way substitution** (i.e., Completing COMM2501 **DOES NOT** substitute Information Systems Prescribed electives. Completing INFS3873 **DOES NOT** substitute Level 3 Actuarial Studies Electives).

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

Compulsory First-Year Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Electives (Choose ACTL3142 and 3 more courses from this list (NOT ACTL3151 / ACTL3143))		Information Systems Core Courses		Information Systems Prescribed Electives		Compulsory WIL (Choose 1 course)		Actuarial Risk Management and Analytics (ACTLE1)	
(48UOC)		(18UOC)		(24UOC)		(72UOC)		(6UOC)		(6UOC)		(18UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	ACTL3141	<input type="checkbox"/>	INFS1602	<input type="checkbox"/>	INFS3603	<input type="checkbox"/>	COMM2222	<input type="checkbox"/>	RISK2001	<input type="checkbox"/>
COMM1140	<input type="checkbox"/>	ACTL2111	<input type="checkbox"/>	ACTL3142	<input type="checkbox"/>	INFS1603	<input type="checkbox"/>			COMM2233	<input type="checkbox"/>	ACTLE1 Elective	<input type="checkbox"/>
COMM1170	<input type="checkbox"/>	ACTL2131*	<input type="checkbox"/>	ACTL3143 X		INFS1701	<input type="checkbox"/>			COMM3030	<input type="checkbox"/>	ACTLE1 Elective	<input type="checkbox"/>
COMM1180	<input type="checkbox"/>			ACTL3151 X		INFS2603	<input type="checkbox"/>			INFS3020	<input type="checkbox"/>	ACTLE1 Elective <i>Additional UOC</i>	<input type="checkbox"/>
ECON1101	<input type="checkbox"/>			ACTL3162	<input type="checkbox"/>	INFS2608	<input type="checkbox"/>						
ECON1102	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>	INFS2701	<input type="checkbox"/>						
MATH1151	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>	INFS2822	<input type="checkbox"/>						
MATH1251	<input type="checkbox"/>			ACTL3192	<input type="checkbox"/>	INFS3604	<input type="checkbox"/>						
				ACTL3301	<input type="checkbox"/>	INFS3605	<input type="checkbox"/>						
						INFS3700	<input type="checkbox"/>						
						INFS3701	<input type="checkbox"/>						
						INFS3703	<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.

**Note:** Actl/Infs students can complete **INFS3603** to substitute **COMM2501** requirements and complete **ACTL3142** to substitute **INFS3873 (6 UOC Information Systems Prescribed Elective)**, allowing room in program to complete Actuarial Exemption requirements and program requirements. **This is a one-way substitution** (i.e., Completing **COMM2501 DOES NOT** substitute Information Systems Prescribed electives. Completing **INFS3873 DOES NOT** substitute Level 3 Actuarial Studies Electives).

**X Note:** ACTL3151 and ACTL3143 are not Actuarial Risk Management and Analytics major electives

**Students completing the Actuarial Risk Management and Analytics major will need to take additional 6UOC even after the substitution.**

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Table B2. Optional Actuarial Studies major: **Quantitative Data Science (MATHE1) (66 UOC)** and **Information Systems** with Substitution

Compulsory First-Year Courses		Level 2 Actuarial Studies Core Courses		Level 3 Actuarial Studies Core Courses (Choose <b>ACTL3141</b> and <b>ACTL3142</b> and 2 more courses from this list)		Information Systems Core Courses		Information Systems Prescribed Electives		Compulsory WIL (Choose 1 course)		Quantitative Data Science (MATHE1)	
(48UOC)		(18UOC)		(24UOC)		(72UOC)		(6UOC)		(6UOC)		(18UOC)	
ACTL1101	<input type="checkbox"/>	ACTL2102	<input type="checkbox"/>	<b>ACTL3141</b>	<input type="checkbox"/>	INFS1602	<input type="checkbox"/>	<b>INFS3603</b>	<input type="checkbox"/>	COMM2222	<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"/>	INFS1603	<input type="checkbox"/>			COMM2233	<input type="checkbox"/>	<b>MATH2871</b>	<input type="checkbox"/>
COMM1170	<input type="checkbox"/>	<b>ACTL2131*</b> <b>MATH2901</b>	<input type="checkbox"/>	ACTL3143	<input type="checkbox"/>	INFS1701	<input type="checkbox"/>			COMM3030	<input type="checkbox"/>	<b>MATH3821</b>	<input type="checkbox"/>
COMM1180	<input type="checkbox"/>			ACTL3151	<input type="checkbox"/>	INFS2603	<input type="checkbox"/>			INFS3020	<input type="checkbox"/>	<b>MATH3871</b> <i>Additional UOC</i>	<input type="checkbox"/>
ECON1101	<input type="checkbox"/>			ACTL3162	<input type="checkbox"/>	INFS2608	<input type="checkbox"/>					<b>MATHE1 Elective</b> <i>Additional UOC</i>	<input type="checkbox"/>
<b>ECON1102</b>	<input type="checkbox"/>			ACTL3182	<input type="checkbox"/>	INFS2701	<input type="checkbox"/>						
<b>MATH1151</b>	<input type="checkbox"/>			ACTL3191	<input type="checkbox"/>	INFS2822	<input type="checkbox"/>						
<b>MATH1251</b>	<input type="checkbox"/>			ACTL3192	<input type="checkbox"/>	INFS3604	<input type="checkbox"/>						
				ACTL3301	<input type="checkbox"/>	INFS3605	<input type="checkbox"/>						
						INFS3700	<input type="checkbox"/>						
						INFS3701	<input type="checkbox"/>						
						INFS3703	<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.

**Note:** Act/Infs students can **complete INFS3603 to substitute COMM2501 requirements and complete ACTL3142 to substitute INFS3873 (6 UOC Information Systems Prescribed Elective)**, allowing room in program to complete Actuarial Exemption requirements and program requirements. **This is a one-way substitution** (i.e., Completing COMM2501 **DOES NOT** substitute Information Systems Prescribed electives. Completing INFS3873 **DOES NOT** substitute Level 3 Actuarial Studies Electives).

**Students completing the Quantitative Data Science major will need to take additional 12UOC even after the substitution.**



**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
INFS1602	ACTL1101	COMM1140
INFS1603	ECON1101	INFS1701
MATH1151	MATH1251	INFS2603

Commencing in T2		
T2 Enrolment	T3 Enrolment	T1 Enrolment
COMM1140	COMM1170	COMM1180
ECON1101	INFS1602	ECON1102
INFS1603	INFS1701	MATH1151

Commencing in T3		
T3 Enrolment	T1 Enrolment	T2 Enrolment
ECON1101	ECON1102	ACTL1101
INFS1602	INFS1603	COMM1140
INFS1701	MATH1151	MATH1251