

Bachelor of Actuarial Studies/Computer Science 3674

Progression Plan for 2021 Commencing Students

Terminology	Definition
Program compulsory core courses	54UOC of compulsory core courses which students must complete under this degree.
Actuarial Studies Level 3 electives	Choose 24UOC of Level 3 elective course from Actuarial Studies elective list.
UNSW Business School Elective	18UOC 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.

Please refer to the 2021 Online Handbook for the program and major rules

<https://www.handbook.unsw.edu.au/undergraduate/programs/2021/3674>

Table A. Actuarial Studies major (default); Computer Science major: _____

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4)		UNSW Business School electives	
(36UOC)	Term	(18UOC)	Term	(24UOC)	Term	(18UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1.	
COMM1170		ACTL2131 *		2. ACTL3142		2.	
COMM1180		ACTL2102		3. ACTL3151		3.	
ACTL1101				4. ACTL3162			
ECON1101				5. ACTL3182			
ECON1102				6. ACTL3191			
MATH1151^				7. ACTL3192			
MATH1251^							
Total number of completed UOC:							

^ MATH1151 & MATH1251 are compulsory core courses that count towards the Computer Science component, therefore need to complete another 18uoc of UNSW Business School electives to satisfy the 96uoc depth component.

*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, the first of these courses (i.e. MATH2901) will count towards ACTL2131, and the second course (MATH2931) can be counted towards another major where this course is required or as a Business elective.

Program Checklist:

- ☐ I have completed a minimum of 96UOC (16 courses) for the Actuarial Studies component
- ☐ I have completed no more than 60UOC of level one courses for this dual degree
- ☐ I have consulted with the Faculty of Engineering for the Computer Science component of my degree

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Table B. Actuarial Risk Management & Analytics major (48UOC); Computer Science major: _____

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose ACTL3142 and three more from below)		UNSW Business School electives	
(36UOC)	Term	(18UOC)	Term	(24UOC)	Term	(18UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1. RISK2001	
COMM1170		ACTL2131 *		2. ACTL3142		2. ACTL/RISK	
COMM1180		ACTL2102		3. ACTL3151		3. ACTL/RISK	
ACTL1101				4. ACTL3162		ACTL/RISK (extra course)	
ECON1101				5. ACTL3182			
ECON1102				6. ACTL3191			
MATH1151^				7. ACTL3192			
MATH1251^							

Note: students with this major will need to complete an additional 6uoc on top of their minimum UOC requirements to graduate

Please note that ACTL3151 and ACTL3162 are not Actuarial Risk Management & Analytics major courses.

^ MATH1151 & MATH1251 are compulsory core courses that count towards the Science component, therefore need to complete another 18uoc of UNSW Business School electives to satisfy the 96uoc depth component.

*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, the first of these courses (i.e. MATH2901) will count towards ACTL2131, and the second course (MATH2931) can be counted towards another major where this course is required or as a Business elective.

Program Checklist:

- ☐ I have completed a minimum of 96UOC (16 courses) for the Actuarial Studies component
- ☐ I have completed no more than 60UOC of level one courses for this dual degree

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Table C. Quantitative Data Science major (66UOC); Computer Science major: _____

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4)		UNSW Business School electives	
(36UOC)	Term	(18UOC)	Term	(24UOC)	Term	(18UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1. MATH2831/MATH2931	
COMM1170		ACTL2131 *		2. ACTL3142		2. MATH2871	
COMM1180		ACTL2102		3. ACTL3151		3. MATH2801/MATH2901	
ACTL1101				4. ACTL3162		MATH3821	
ECON1101				5. ACTL3182		MATH3871	
ECON1102				6. ACTL3191		Major elective	
MATH1151				7. ACTL3192			
MATH1251							

Note: students with this major will need to complete an additional 18uoc on top of their minimum UOC requirements to graduate

^ MATH1151 & MATH1251 are compulsory core courses that count towards the Computer Science component, therefore need to complete another 18uoc of UNSW Business School electives to satisfy the 96uoc depth component.

*Students may replace ACTL2131 with the two courses MATH2901 Higher Theory of Statistics and MATH2931 Higher Linear Models. If students make this replacement, the first of these courses (i.e. MATH2901) will count towards ACTL2131, and the second course (MATH2931) can be counted towards another major where this course is required or as a Business elective.

Program Checklist:

- ☐ I have completed a minimum of 96UOC (16 courses) for the Actuarial Studies component
- ☐ I have completed no more than 60UOC of level one courses for this dual degree

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Example: Bachelor of Actuarial Studies; meet the Actuaries Institute Foundation Program[^] and Actuary Program[#] requirements.

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4)		UNSW Business School electives	
(36UOC)	Term	(18UOC)	Term	(24UOC)	Term	(18UOC)	Term
COMM1140 [^]		ACTL2111 [^]		1. ACTL3141 [^]		1. ACTL3182 [^]	
COMM1170 [^]		ACTL2131 ^{*^}		2. ACTL3142 [^]		2. ACTL3301 [^]	
COMM1180 [^]		ACTL2102 [^]		3. ACTL3151 [^]		3. ACTL4001#	
ACTL1101				4. ACTL3162 [^]		ACTL4002#	
ECON1101 [^]				5. ACTL3182		ACTL4305#	
ECON1102 [^]				6. ACTL3191		(Two additional courses)	
MATH1151 [^]				7. ACTL3192			
MATH1251 [^]							
<i>MATH1151 & MATH1251 are compulsory core courses that count towards the Computer Science component however will meet exemption requirements</i> <i>*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 Business elective.</i> <i>[^]MATH2901 may replace ACTL2131 and meet exemption requirements</i>							

Program Checklist:

- ☐ I have completed a minimum of 96UOC (16 courses) for the Actuarial Studies component
- ☐ I have completed no more than 60UOC of level one courses for this dual degree
- ☐ Exemption requirements: <https://www.business.unsw.edu.au/about/schools/risk-actuarial/degrees/professional-recognition/>

PLEASE USE THIS DIAGRAM AS REFERENCE ONLY. IT DOES NOT REPLACE THE HANDBOOK AS GUIDE FOR PROGRAM REQUIREMENTS. IT IS RECOMMENDED STUDENTS TO CHECK THE ACTUARIES INSTITUTE WEBPAGE AND THE BUSINESS SCHOOL WEBPAGE FOR ANY UPDATES ON EXEMPTION REQUIREMENTS

First Year Enrolment Recommendation for Program 3674 Actuarial Studies/Computer Science in Different Commencing Terms

Commencing in T1		
T1 Enrolment	T2 Enrolment	T3 Enrolment
MATH1151	MATH1251	COMM1140
COMP1511	ACTL1101	COMP1531
MATH1081	ECON1101	

Commencing in T2		
T2 Enrolment	T3 Enrolment	T1 Enrolment
COMM1140	ECON1101	MATH1151
COMP1511	COMP1531	COMM1180
	COMM1170	MATH1081

Commencing in T3		
T3 Enrolment	T1 Enrolment	T2 Enrolment
COMM1140	COMP1531	MATH1081
ECON1101	MATH1151	MATH1251
COMP1511	COMM1170	ACTL1101

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

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