

Bachelor of Actuarial Studies 3586

Progression Plan for 2021 Commencing Students

Terminology	Definition
Program compulsory level 1 and level 2 core courses	66UOC 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.
Actuarial Studies Majors	Students may elect to complete ACTLE1 or MATHE1 in addition to their Actuarial Studies program requirements. Students completing these majors will still need to complete the program requirements such as Level 1 and 2 core courses as well as Level 3 electives. Students completing these majors cannot declare an additional Business major/minor as well.
UNSW Business School Elective	Students must complete 6 UOC of Business electives to meet the minimum Business School course requirement to satisfy the depth component of the degree.
Free Electives or Second major or Commerce minor	Account for 36UOC. Students are free to use these UOC to complete courses from any Faculty or to complete an approved major or minor, however they need to be mindful of the program limit on Level 1 courses (60UOC) when making their selection. GEN courses cannot count as Free elective. Second major: For any majors that require ECON1202, MATH1151 will act as substitute of ECON1202, hence students will need to complete the remaining major courses to meet the major requirements.
General Education	Account for 12UOC (2 courses) and are to be taken outside the UNSW Business School. Please note that students enrolled in programs within the UNSW Business School cannot take General Education courses offered by the UNSW Business School (i.e. GENC code). These restrictions also apply to the following courses: GENL2021 An Introduction to the Australian Legal System, GENL2032 Cyberspace Law 2.0.

Table A. Actuarial Studies major (default)

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4 from the following)		UNSW Business School elective		Free electives (can be from Business School or other Faculties)		General Education (must be from other Faculties)	
(48UOC)	Term	(18UOC)	Term	(24UOC)	Term	(6UOC)	Term	(36UOC)	Term	(12UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1.		1.		1.	
COMM1170		ACTL2131*		2. ACTL3142				2.		2.	
COMM1180		ACTL2102		3. ACTL3151				3.			
ACTL1101				4. ACTL3162				4.			
ECON1101				5. ACTL3182				5.			
ECON1102				6. ACTL3191				6.			
MATH1151				7. ACTL3192							
MATH1251											
*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.											

Program Checklist:

- ☐ I have completed a minimum of 144UOC (24 courses) for this program
- ☐ I have completed 66UOC of compulsory level 1 and level 2 core courses
- ☐ I have completed 24UOC of Actuarial Studies Level 3 electives from the list
- ☐ I have completed a minimum of 6UOC (1 course) of UNSW Business School elective
- ☐ I have completed a minimum of 36UOC (6 courses) of Free electives
- ☐ I have completed no more than 60UOC of level one courses (excluding General Education)
- ☐ I have completed exactly 12UOC of General Education courses

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Table B. Actuarial Studies major (default) with second major: _____

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4 from the following)		Second Major		Free electives		General Education (must be from other Faculties)	
(48UOC)	Term	(18UOC)	Term	(24UOC)	Term	(42UOC)	Term	(0UOC)	Term	(12UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1.				1.	
COMM1170		ACTL2131*		2. ACTL3142		2.				2.	
COMM1180		ACTL2102		3. ACTL3151		3.					
ACTL1101				4. ACTL3162		4.					
ECON1101				5. ACTL3182		5.					
ECON1102				6. ACTL3191		6.					
MATH1151				7. ACTL3192		7.					
MATH1251											

**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.*

Program Checklist:

- ☐ I have completed a minimum of 144UOC (24 courses) for this program
- ☐ I have completed 66UOC of compulsory First Year and Second Year core courses
- ☐ I have completed 24UOC of Actuarial Studies Level 3 electives from the list
- ☐ I have completed a minimum of 48UOC (8 courses) and met the requirements for the second major from within the Business School
- ☐ I have completed no more than 60UOC of level one courses (excluding General Education)
- ☐ I have completed exactly 12UOC of General Education courses

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Table C. Actuarial Studies major (default) with Mathematics or Statistics second major: _____

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4 from the following)		UNSW Business School Elective		Mathematics or Statistics major		General Education (must be from other Faculties)	
(48UOC)	Term	(18UOC)	Term	(24UOC)	Term	(12UOC)	Term	(36UOC)	Term	(12UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1.		1. MATH		1. MATH	
COMM1170		ACTL2131*		2. ACTL3142				2. MATH		2. MATH	
COMM1180		ACTL2102		3. ACTL3151				3. MATH			
ACTL1101				4. ACTL3162				4. MATH			
ECON1101				5. ACTL3182				5. MATH			
ECON1102				6. ACTL3191				6. MATH			
MATH1151				7. ACTL3192							
MATH1251											

**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.*

Program Checklist:

- ☐ I have completed a minimum of 144UOC (24 courses) for this program
- ☐ I have completed 66UOC of compulsory Level 1 and Level 2 core courses
- ☐ I have completed 24UOC of Actuarial Studies Level 3 electives from the list
- ☐ I have completed 6UOC of Business School electives to meet the 96UOC Business School course requirement
- ☐ I have completed a minimum of 60UOC (10 courses) and met the requirements for the Mathematics or Statistics major
- ☐ I have completed no more than 60UOC of level one courses

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Table D. Actuarial Risk Management & Analytics major (48UOC)

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose ACTL3142 and three more from the following list)		UNSW Business School Elective		Free electives		General Education (must be from other Faculties)	
(48UOC)	Term	(18UOC)	Term	(24UOC)	Term	(6UOC)	Term	(36UOC)	Term	(12UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1. RISK2001		1.		1.	
COMM1170		ACTL2131		2. ACTL3142				2.		2.	
COMM1180		ACTL2102		3. ACTL3151				3.			
ACTL1101				4. ACTL3162				4.			
ECON1101				5. ACTL3182				5.			
ECON1102				6. ACTL3191				6.			
MATH1151				7. ACTL3192							
MATH1251											
Total number of completed UOC:											

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

Program Checklist:

- ☐ I have completed a minimum of 144UOC (24 courses) for this program
- ☐ I have completed 66UOC of compulsory First Year and Second Year core courses
- ☐ I have completed 48UOC of Actuarial Risk Management & Analytics major courses
- ☐ I have completed 24UOC of Actuarial Studies Level 3 electives from the list
- ☐ I have completed 12UOC of Free electives
- ☐ I have completed no more than 60UOC of level one courses (excluding General Education)
- ☐ I have completed exactly 12UOC of General Education courses

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Table E. Quantitative Data Science major (66UOC)

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4 from the following)		UNSW Business School Elective		Free electives		General Education (must be from other Faculties)	
(48UOC)	Term	(18UOC)	Term	(24UOC)	Term	(6UOC)	Term	(36UOC)	Term	(12UOC)	Term
COMM1140		ACTL2111		1. ACTL3141		1.		1. MATH2801 or MATH2901		1. MATH3821	
COMM1170		ACTL2131*		2. ACTL3142				2. MATH2831 or MATH2931		2. MATH3871	
COMM1180		ACTL2102		3. ACTL3151				3. MATH2871			
ACTL1101				4. ACTL3162				4.			
ECON1101				5. ACTL3182				5.			
ECON1102				6. ACTL3191				6.			
MATH1151				7. ACTL3192							
MATH1251											

* 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. Note that a minimum of 84 UOC must be completed in UNSW Business School courses for the Bachelor of Actuarial Studies.

Program Checklist:

- ☐ I have completed a minimum of 144UOC (24 courses) for this program
- ☐ I have completed 66UOC of compulsory level 1 and level 2 core courses
- ☐ I have completed 66UOC of Quantitative Data Science major courses
- ☐ I have completed 24UOC of Actuarial Studies Level 3 electives from the list
- ☐ I have completed no more than 60UOC of level one courses (excluding General Education)
- ☐ I have completed exactly 12UOC of General Education courses

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Example: Actuarial Studies major (default); meet the Actuaries Institute Foundation Program requirements.

Compulsory Level 1 core courses		Compulsory Level 2 core courses		Actuarial studies Level 3 elective courses (choose 4 from the following)		UNSW Business School elective		Free electives (can be from Business School or other Faculties)		General Education (must be from other Faculties)	
(48UOC)	Term	(18UOC)	Term	(24UOC)	Term	(6UOC)	Term	(36UOC)	Term	(12UOC)	Term
COMM1140 ^		ACTL2111 ^		ACTL3141 ^		ACTL3301 ^		1. ACTL3182 ^		1.	
COMM1170 ^		ACTL2131* ^		ACTL3142 ^				2.		2.	
COMM1180 ^		ACTL2102 ^		ACTL3151 ^				3.			
ACTL1101				ACTL3162 ^				4.			
ECON1101 ^				ACTL3182				5.			
ECON1102 ^				ACTL3191				6.			
MATH1151				ACTL3192							
MATH1251											

**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.*

**^ MATH2901 may replace ACTL2131 and meet exemption requirements*

Program Checklist:

- ☐ I have completed a minimum of 144UOC (24 courses) for this program
- ☐ I have completed 66UOC of compulsory level 1 and level 2 core courses
- ☐ I have completed 24UOC of Actuarial Studies Level 3 electives from the list
- ☐ I have completed a minimum of 6UOC (1 course) of UNSW Business School elective
- ☐ I have completed a minimum of 36UOC (6 courses) of Free electives
- ☐ I have completed no more than 60UOC of level one courses (excluding General Education)
- ☐ I have completed exactly 12UOC of General Education courses
- ☐ 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

Please refer to the 2021 Online Handbook for the program and major rules:
<https://www.handbook.unsw.edu.au/undergraduate/programs/2021/3586>

List of approved Majors from within the UNSW Business School

Appendix A.

Accounting (48UOC)	Finance (48UOC)	Business Economics (48UOC)	Marketing (48UOC)	Taxation (48UOC)
Required Integrated 1st Year Course: COMM1140	Required Integrated 1st Year Course: COMM1180	Required 1st Year Course: ECON1101 MATH1151 = ECON1202	Required 1st Year Course: ECON1101	Required 1st Year Course: ECON1102
1. ACCT2511	1. FINS1612	1. Business Economics major elective from List 1	1. MARK2012	1. TABL2710
2. ACCT2522	2. FINS2613	2. Business Economics major elective from List 2	2. MARK2052	2. TABL2750
3. ACCT2542	3. FINS2624	3. Business Economics major elective from List 3	3. MARK2085	3. Taxation major elective
4. ACCT3563	4. FINS3616	4. Business Economics major elective from List 3	4. MARK3054	4. Taxation major elective
5. Accounting major elective Level 3	5. Finance major elective	5. Business Economics major elective from List 3	5. MARK3087	5. Taxation major elective level 3
6. Accounting major elective Level 3	6. Finance major elective Level 3	6. Business Economics major elective from List 1 or 2 or 3	6. Marketing major elective	6. Taxation major elective level 3
7. Accounting major elective	7. Finance major elective Level 3		7. Marketing major elective level 3	7. Taxation major elective level 3

Human Resource Management (48UOC)	Information Systems (48UOC)	International Business (48UOC)	Business Analytics (48UOC)
Required Integrated 1 st Year Course: COMM1170	Required 1 st Year Course: MATH1151 or MATH1251	Required Integrated 1 st Year Course: ECON1102	Required Integrated 1st Year Course: MATH1151 or MATH1251
1. MGMT1002	1. INFS1603	1. MGMT2101	1. COMM1822
2. MGMT2705	2. INFS2602	2. MGMT2102	2. COMM2050
3. MGMT2718	3. INFS2603	3. MGMT3101	3. COMM2501
4. MGMT3701	4. INFS3604	4. MGMT3102	4. Modelling 1 course (level 2)
5. HRM major elective	5. INFS major elective	5. Int. Bus. major elective	5. Modelling 2 course (level 3)
6. HRM major elective level 3	6. INFS major elective level 3	6. Int. Bus. major elective	6. Business Analytics Major elective level 3
7. HRM major elective level 3	7. INFS major elective level 3	7. Int. Bus. major elective level 3	7. Capstone course (level 3)

Financial Technology (48UOC)	Actuarial Risk Management & Analytics (48UOC)	Quantitative Data Science (66UOC)
Required Integrated 1st Year Course: MATH1151 or MATH1251		Required compulsory Stage 1 course: MATH1151; MATH1251; ECON1102
1. FINS1612	1. ACTL3142	1. MATH2801 or MATH2901
2. FINS3645	2. RISK2001	2. MATH2831 or MATH2931
3. FINS3646	3. Major elective	3. MATH2871
4. FINS3647	4. Major elective	4. MATH3821
5. FINS3648	5. Major elective	5. MATH3871
6. One from	6. Major elective	6. Major elective
7. FINS2613/FINS2624/FINS3623/FINS3630		
8. Financial Technology major elective	7. Major elective	7. Major elective
	8. Major elective	8. Major elective

Mathematics (60UOC)	Statistics (60UOC)
Required compulsory Stage 1 course: MATH1151; MATH1251	Required compulsory Stage 1 course: MATH1151; MATH1251
1. MATH2011 or MATH2111	1. MATH2011 or MATH2111
2. MATH2121 or MATH2221	2. MATH2501 or MATH2601
3. MATH2501 or MATH2601	3. MATH2801 or MATH2901
4. MATH2521 or MATH2621	4. MATH2831 or MATH2931
5. MATH2801 or MATH2901	5. MATH3801 or MATH3901
6. Mathematics major elective	6. MATH3811 or MATH3911
7. Mathematics major elective	7. MATH3821
8. Mathematics major elective	8. MATH3831/MATH3841/MATH3851/MATH3871

First Year Enrolment Recommendation for Program 3586 Actuarial Studies in Different Commencing Terms

Commencing in T1		
T1 Enrolment	T2 Enrolment	T3 Enrolment
COMM1140	ACTL1101	COMM1170
ECON1101	ECON1102	COMM1180
MATH1151	MATH1251	

Commencing in T2		
T2 Enrolment	T3 Enrolment	T1 Enrolment
COMM1140	COMM1170	MATH1151
ECON1101	COMM1180	ECON1102
	GenEd	Free Elective*

Commencing in T3		
T3 Enrolment	T1 Enrolment	T2 Enrolment
COMM1140	MATH1151	MATH1251
ECON1101	ECON1102	COMM1170
	GenEd	ACTL1101

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