

# Bachelor of Actuarial Studies/ Advanced Maths (Hons) 3589

## Progression Plan for 2018 Commencing Students

| Terminology                                | Definition                                                                                                                                                                                                        |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Program compulsory core courses</b>     | 60UOC of compulsory core courses which students must complete under this degree.                                                                                                                                  |
| <b>Actuarial Studies Level 3 electives</b> | Choose 18UOC of Level 3 elective course from Actuarial Studies elective list.                                                                                                                                     |
| <b>UNSW Business School Elective</b>       | 18-24 UOC in UNSW Business School courses to ensure a student completes a minimum of 96 UOC of Business courses within the Bachelor of Commerce. The exact number of courses to complete will depend on ACTL2131. |

**Please refer to the 2018 Online Handbook for the program and major rules:**  
<http://www.handbook.unsw.edu.au/undergraduate/programs/2018/3589.html>

**Table A. Actuarial Studies major (default); Advanced Maths (Hons) major:** \_\_\_\_\_

| Compulsory First Year core courses |     | Compulsory Second Year core courses |     | Actuarial studies Level 3 elective courses (choose 3) |     | UNSW Business School electives |     |
|------------------------------------|-----|-------------------------------------|-----|-------------------------------------------------------|-----|--------------------------------|-----|
| (42UOC)                            | Sem | (18UOC)                             | Sem | (18UOC)                                               | Sem | (18UOC)                        | Sem |
| ACCT1501                           |     | ACTL2111                            |     | 1. ACTL3141                                           |     | 1.                             |     |
| ACCT1511                           |     | ACTL2131 *                          |     | 2. ACTL3142                                           |     | 2.                             |     |
| ACTL1101                           |     | ACTL2102                            |     | 3. ACTL3151                                           |     | 3.                             |     |
| ECON1101                           |     |                                     |     | 4. ACTL3162                                           |     |                                |     |
| ECON1102                           |     |                                     |     | 5. ACTL3182                                           |     |                                |     |
| FINS1613                           |     |                                     |     | 6. ACTL3191                                           |     |                                |     |
| MGMT1001                           |     |                                     |     | 7. ACTL3192                                           |     |                                |     |
| MATH1151^                          |     |                                     |     |                                                       |     |                                |     |
| MATH1251^                          |     |                                     |     |                                                       |     |                                |     |
| Total number of completed UOC:     |     |                                     |     |                                                       |     |                                |     |

^ MATH1151 & MATH1251 are compulsory core courses that count towards the Advanced Maths (Hons) 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 the compulsory course requirement, and the second course can be counted towards another major or minor or as an elective.

Program Checklist:

- ☐ I have completed a minimum of 96UOC (16 courses) for the Actuarial Studies component
- ☐ I have completed no more than 72UOC of level one courses in this dual degree

Part I & II Exemptions: <https://www.business.unsw.edu.au/about/schools/risk-actuarial/degrees/professional-recognition/accreditation-exemptions>

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**Table B. Actuarial Risk Management & Analytics major (48UOC); Advanced Maths (Hons) major:** \_\_\_\_\_

| Compulsory First Year core courses                                                                                            |     | Compulsory Second Year core courses |     | Actuarial studies Level 3 elective courses (choose 3) |     | UNSW Business School electives |     |
|-------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------|-----|-------------------------------------------------------|-----|--------------------------------|-----|
| (42UOC)                                                                                                                       | Sem | (18UOC)                             | Sem | (18UOC)                                               | Sem | (18UOC)                        | Sem |
| ACCT1501                                                                                                                      |     | ACTL2111                            |     | 1. ACTL3141                                           |     | 1. RISK2001                    |     |
| ACCT1511                                                                                                                      |     | ACTL2131 *                          |     | 2. ACTL3142                                           |     | 2. ACTL/RISK                   |     |
| ACTL1101                                                                                                                      |     | ACTL2102                            |     | 3. ACTL3151                                           |     | 3. ACTL/RISK                   |     |
| ECON1101                                                                                                                      |     |                                     |     | 4. ACTL3162                                           |     | ACTL/RISK                      |     |
| ECON1102                                                                                                                      |     |                                     |     | 5. ACTL3182                                           |     | ACTL/RISK                      |     |
| FINS1613                                                                                                                      |     |                                     |     | 6. ACTL3191                                           |     |                                |     |
| MGMT1001                                                                                                                      |     |                                     |     | 7. ACTL3192                                           |     |                                |     |
| MATH1151^                                                                                                                     |     |                                     |     |                                                       |     |                                |     |
| MATH1251^                                                                                                                     |     |                                     |     |                                                       |     |                                |     |
| Note: students with this major will need to complete an additional 12uoc on top of their minimum UOC requirements to graduate |     |                                     |     |                                                       |     | Total number of completed UOC: |     |

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

^ MATH1151 & MATH1251 are compulsory core courses that count towards the Advanced Maths (Hons) 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 the compulsory course requirement, and the second course can be counted towards another major or minor or as an elective.

Program Checklist:

- ☐ I have completed a minimum of 96UOC (16 courses) for the Actuarial Studies component
- ☐ I have completed no more than 72UOC of level one courses in this dual degree

Part I & II Exemptions: <https://www.business.unsw.edu.au/about/schools/risk-actuarial/degrees/professional-recognition/accreditation-exemptions>

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**Table C. Quantitative Data Science major (66UOC); Advanced Maths (Hons) major:** \_\_\_\_\_

| Compulsory First Year core courses                                                                                            |     | Compulsory Second Year core courses |     | Actuarial studies Level 3 elective courses (choose 3) |     | UNSW Business School electives |     |
|-------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------|-----|-------------------------------------------------------|-----|--------------------------------|-----|
| (42UOC)                                                                                                                       | Sem | (18UOC)                             | Sem | (18UOC)                                               | Sem | (18UOC)                        | Sem |
| ACCT1501                                                                                                                      |     | ACTL2111                            |     | 1. ACTL3141                                           |     | 1. MATH2831/MATH2931**         |     |
| ACCT1511                                                                                                                      |     | ACTL2131 *                          |     | 2. ACTL3142                                           |     | 2. MATH2871                    |     |
| ACTL1101                                                                                                                      |     | ACTL2102                            |     | 3. ACTL3151                                           |     | 3. MATH2801/MATH2901           |     |
| ECON1101                                                                                                                      |     |                                     |     | 4. ACTL3162                                           |     | MATH3821                       |     |
| ECON1102                                                                                                                      |     |                                     |     | 5. ACTL3182                                           |     | MATH3871                       |     |
| FINS1613                                                                                                                      |     |                                     |     | 6. ACTL3191                                           |     | Major elective                 |     |
| MGMT1001                                                                                                                      |     |                                     |     | 7. ACTL3192                                           |     |                                |     |
| MATH1151                                                                                                                      |     |                                     |     |                                                       |     |                                |     |
| MATH1251                                                                                                                      |     |                                     |     |                                                       |     |                                |     |
| Note: students with this major will need to complete an additional 18uoc on top of their minimum UOC requirements to graduate |     |                                     |     |                                                       |     | Total number of completed UOC: |     |

^ MATH1151 & MATH1251 are compulsory core courses that count towards the Advanced Maths (Hons) 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 the compulsory course requirement, and the second course can be counted towards another major or minor or as an elective.

\*\*If any MATH course in QDS major is overlapping with Adv Maths component study and you would count it toward Adv.Math, you shall study a QDS major elective course as a replacement in Actuarial Studies.

Program Checklist:

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- ☐ I have completed no more than 72UOC of level one courses in this dual degree

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**Example: Actuarial Studies major (default); meet the Actuaries Institute Part I & II requirements.**

| Compulsory First Year core courses        |     | Compulsory Second Year core courses |     | Actuarial studies Level 3 elective courses<br>(choose 3) |     | UNSW Business School electives |     |
|-------------------------------------------|-----|-------------------------------------|-----|----------------------------------------------------------|-----|--------------------------------|-----|
| (42UOC)                                   | Sem | (18UOC)                             | Sem | (18UOC)                                                  | Sem | (24UOC)                        | Sem |
| ACCT1501 <sup>^</sup>                     |     | ACTL2111 <sup>^</sup>               |     | 1. ACTL3141 <sup>^</sup>                                 |     | 1. ACTL3182 <sup>^</sup>       |     |
| ACCT1511 <sup>^</sup>                     |     | ACTL2131 <sup>^*</sup>              |     | 2. ACTL3151 <sup>^</sup>                                 |     | 2. ACTL4001 <sup>^</sup>       |     |
| ACTL1101                                  |     | ACTL2102 <sup>^</sup>               |     | 3. ACTL3162 <sup>^</sup>                                 |     | 3. ACTL4002 <sup>^</sup>       |     |
| ECON1101 <sup>^</sup>                     |     |                                     |     |                                                          |     | 4. ACTL4303 <sup>^</sup>       |     |
| ECON1102 <sup>^</sup>                     |     |                                     |     |                                                          |     |                                |     |
| FINS1613 <sup>^</sup>                     |     |                                     |     |                                                          |     |                                |     |
| MGMT1001                                  |     |                                     |     |                                                          |     |                                |     |
| MATH1151#                                 |     |                                     |     |                                                          |     |                                |     |
| MATH1251#                                 |     |                                     |     |                                                          |     |                                |     |
| <sup>^</sup> Part I & II required courses |     |                                     |     | Total number of completed UOC:                           |     |                                |     |

# MATH1151 & MATH1251 are compulsory core courses that count towards the Advanced Maths (Hons) 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 the compulsory course requirement, and the second course can be counted towards another major or minor or as an elective.

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

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