

# Bachelor of Actuarial Studies/ Science 3154

## Progression Plan for 2019 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>       | 18-24UOC in UNSW Business School courses to ensure a student completes a minimum of 96UOC of Business courses within the UNSW Business School. The exact number of courses to complete will depend on ACTL2131. |

**Please refer to the 2019 Online Handbook for the program and major rules:**  
<https://www.handbook.unsw.edu.au/undergraduate/programs/2019/3154>

**Table A. Actuarial Studies major (default); Science major:** \_\_\_\_\_

| Compulsory First Year core courses    |      | Compulsory Second Year core courses |      | Actuarial studies Level 3 elective courses (choose 3) |      | UNSW Business School electives |      |
|---------------------------------------|------|-------------------------------------|------|---|------|--------------------------------|------|
| (42UOC)                               | Term | (18UOC)                             | Term | (18UOC)   | Term | (18-24UOC)                     | Term |
| 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^                             |      |                                     |      |   |      |                                |      |
| <b>Total number of completed UOC:</b> |      |                                     |      |   |      |                                |      |

^ 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. If you are studying Actuarial Studies/Science or Actuarial Studies/Advanced Maths (Hons), and wish to count MATH2901 and MATH2931 toward Science or Advance Maths (Hons) degree, you should study more Business elective courses to achieve 96UOC completed in Business School Courses.

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

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); Science major: \_\_\_\_\_**

| Compulsory First Year core courses   |      | Compulsory Second Year core courses |      | Actuarial studies Level 3 elective courses (choose ACTL3142 and two more from below) |      | UNSW Business School electives        |      |
|--|------|-------------------------------------|------|--|------|---------------------------------------|------|
| (42UOC)  | Term | (18UOC)                             | Term | (18UOC)  | Term | (18-24UOC)                            | Term |
| 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^  |      |                                     |      |  |      |                                       |      |
| <b>Note: students with this major will need to complete an additional 12uoc on top of their minimum UOC requirements to graduate</b> |      |                                     |      |  |      | <b>Total number of completed UOC:</b> |      |

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. If you are studying Actuarial Studies/Science or Actuarial Studies/Advanced Maths (Hons), and wish to count MATH2901 and MATH2931 toward Science or Advance Maths (Hons) degree, you should study more Business elective courses to achieve 96UOC completed in Business School Courses.

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

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); Science major: \_\_\_\_\_**

| Compulsory First Year core courses   |      | Compulsory Second Year core courses |      | Actuarial studies Level 3 elective courses (choose 3) |      | UNSW Business School electives        |      |
|--|------|-------------------------------------|------|---|------|---------------------------------------|------|
| (42UOC)  | Term | (18UOC)                             | Term | (18UOC)   | Term | (18-24UOC)                            | Term |
| ACCT1501   |      | ACTL2111                            |      | 1. ACTL3141   |      | 1. Major elective                     |      |
| ACCT1511   |      | ACTL2131 *                          |      | 2. ACTL3142   |      | 2. Major elective                     |      |
| ACTL1101   |      | ACTL2102                            |      | 3. ACTL3151   |      | 3. Major elective                     |      |
| ECON1101   |      |                                     |      | 4. ACTL3162   |      | Major elective                        |      |
| ECON1102   |      |                                     |      | 5. ACTL3182   |      | Major elective                        |      |
| FINS1613   |      |                                     |      | 6. ACTL3191   |      | Major elective                        |      |
| MGMT1001   |      |                                     |      | 7. ACTL3192   |      |                                       |      |
| MATH1151   |      |                                     |      |   |      |                                       |      |
| MATH1251   |      |                                     |      |   |      |                                       |      |
| <b>Note: students with this major will need to complete an additional 18uoc on top of their minimum UOC requirements to graduate</b> |      |                                     |      |   |      | <b>Total number of completed UOC:</b> |      |

^ 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. If you are studying Actuarial Studies/Science or Actuarial Studies/Advanced Maths (Hons), and wish to count MATH2901 and MATH2931 toward Science or Advance Maths (Hons) degree, you should study more Business elective courses to achieve 96UOC completed in Business School Courses.

**Program Checklist:**

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**Example: Bachelor of Actuarial Studies; 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)                                   | Term | (18UOC)                             | Term | (18UOC)  | Term | (18-24UOC)                            | Term |
| 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 |      |                                     |      |  |      | <b>Total number of completed UOC:</b> |      |

# 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. If you are studying Actuarial Studies/Science or Actuarial Studies/Advanced Maths (Hons), and wish to count MATH2901 and MATH2931 toward Science or Advance Maths (Hons) degree, you should study more Business elective courses to achieve 96UOC completed in Business School Courses.

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