Overview

The Actuarial Risk Management and Analytics major focuses on the actuarial analysis and management of a broad spectrum of risks that financial organisations are confronted with in the context of the fast changing, increasingly global financial environment. The major helps students develop a broad perspective on risks, including modelling, data analysis, and management. It is designed for actuarial students interested in further extending their knowledge of actuarial analysis and management of risks, and aims to extend students' knowledge on the use of risk analysis and decision tools and their applications in practice.
<table>
<thead>
<tr>
<th>Faculty</th>
<th>UNSW Business School</th>
</tr>
</thead>
<tbody>
<tr>
<td>School</td>
<td>School of Risk and Actuarial Studies</td>
</tr>
<tr>
<td>Study Level</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>Minimum Units of Credit</td>
<td>48</td>
</tr>
<tr>
<td>Specialisation Type</td>
<td>Major</td>
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</table>
Available in Program(s)

Program(s) in which this major is available

Bachelor of Actuarial Studies - BActSt
3586 Actuarial Studies
Faculty: UNSW Business School
Campus: Kensington
Units of Credit: 144
Typical Duration: 3 Years

Bachelor of Actuarial Studies (Co op) - BActSt (Co-op)
3587 Actuarial Studies (Co op)
Faculty: UNSW Business School
Campus: Kensington
Units of Credit: 192
Typical Duration: 4 Years
Specialisation Structure

Students must complete 48 UOC.

Core Courses

Students must take 12 UOC of the following courses.

- **ACTL3142** 6 UOC
  Actuarial Data and Analysis

- **RISK2001** 6 UOC
  Fundamentals of Risk and Risk Management

Prescribed Electives

Students must complete 36 UOC (6 courses) from the following list of courses:
Note that enrolment in the optional electives ACTL4001 and ACTL4002 requires satisfactory performance in courses associated with the professional "Part 1" courses from the Actuaries Institute - detailed information can be found from the School of Risk and Actuarial Studies.

- **ACTL3141** 6 UOC
  Actuarial Models and Statistics

- **ACTL3182** 6 UOC
  Asset-Liability and Derivative Models

- **ACTL3191** 6 UOC
  Superannuation and Retirement Benefits

- **ACTL3192** 6 UOC
  Retirement Saving and Spending Over the Lifecycle

- **ACTL4001** 6 UOC
  Actuarial Theory and Practice A
<table>
<thead>
<tr>
<th>Course Code</th>
<th>UOC</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ACTL4002</td>
<td>6</td>
<td>Actuarial Theory and Practice B</td>
</tr>
<tr>
<td>ACTL4301</td>
<td>6</td>
<td>Models for Risk Management</td>
</tr>
<tr>
<td>ACTL4302</td>
<td>6</td>
<td>Risk and Capital Management</td>
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<tr>
<td>ACTL4303</td>
<td>6</td>
<td>Asset-Liability Management</td>
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<tr>
<td>RISK2002</td>
<td>6</td>
<td>Risk Analytics</td>
</tr>
<tr>
<td>RISK3003</td>
<td>6</td>
<td>Risk Decision Analytics</td>
</tr>
<tr>
<td>RISK3009</td>
<td>6</td>
<td>Risk Management Strategies</td>
</tr>
</tbody>
</table>

**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Additional Information

Please note that these requirements may be subject to change. Students are advised to follow requirements according to the year they commenced. Please refer to previous editions of the Online Handbook for pre-2019 program requirements.

Contact the UNSW Business School Student Centre for advice.
tel: + 61 2 9385 3189
location: Level 1, room 1028, Quadrangle Building
Forms, policies and procedures
Frequently asked questions
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179