# Program structure and sequence plans



| BN-13146                          |   | Master of Actuarial   | Practice  |   |            |
|-----------------------------------|---|---|---|---|------------|
|                                   |   |   |   |   | Jan Intake |
|                                   | 2023  | ACCT71-100  | ACSC71-201  | ECON71-100  |            |
| January                           | Semester 1  | Accounting Principles   | Financial Mathematics   | Principles of Economics   |            |
|                                   | 2023  | ACSC71-200  | ACSC71-301  | ECON71-200  |            |
| May                               | Semester 2  | Mathematical Statistics   | Contingencies   | Linear Models and Applied<br>Econometrics   |            |
|                                   | 2023  | ACSC71-306  | ACSC71-307  | ECON71-202  |            |
| September                         | Semester 3  | Stochastic Processes  | Survival Analysis   | Macroeconomics  |            |
|                                   |   | Subject Catalogue   | Major Catalogue   | Program Catalogue   |            |
|                                   | 2024  | ACSC71-305  | DTSC71-200  | FINC71-301  |            |
| January                           | Semester 1  | Actuarial and Financial Models  | Data Science  | Advanced Corporate Finance  |            |
|                                   | 2024  | ACSC71-400  | DTSC71-302  | FINC71-303  |            |
| May                               | Semester 2  | Actuarial Control Cycle 1   | Statistical Learning and Regression<br>Models   | Portfolio Analysis and Investments  |            |
|                                   | 2024  | ACSC71-401  | General Elective PG   | General Elective PG   |            |
|                                   |   | Actuarial Control Cycle 2   | Choose any PG subject provided  | Choose any PG subject provided  |            |
| September                         | Semester 3  | rictauriur comitici cyclic 2  | requirements are met.   | requirements are met.   |            |
| September                         | Semester 3  | Subject Catalogue   | requirements are met.  Major Catalogue  | requirements are met.  Program Catalogue  |            |
| September BN-13146                | Semester 3  | ·   | Major Catalogue   | <u>,                                     </u>   | May Intake |
| •                                 | Semester 3  | Subject Catalogue   | Major Catalogue   | <u>,                                     </u>   | May Intake |
| •                                 |   | Subject Catalogue  Master of Actuarial  | Major Catalogue  Practice   | Program Catalogue   | May Intake |
| BN-13146                          | 2023  | Subject Catalogue  Master of Actuarial  ACCT71-100  | Major Catalogue  Practice  ACSC71-301   | Program Catalogue  ECON71-100   | May Intake |
| BN-13146                          | <b>2023</b> Semester 1  | Subject Catalogue  Master of Actuarial  ACCT71-100  Accounting Principles   | Major Catalogue  Practice  ACSC71-301 Contingencies   | Program Catalogue  ECON71-100  Principles of Economics  | May Intake |
| <b>BN-13146</b> May               | 2023<br>Semester 1<br>2023  | Subject Catalogue  Master of Actuarial  ACCT71-100  Accounting Principles  ACSC71-200   | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied   | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202   | May Intake |
| <b>BN-13146</b> May               | 2023 Semester 1 2023 Semester 2   | Subject Catalogue  Master of Actuarial  ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  | May Intake |
| BN-13146  May  September          | 2023 Semester 1 2023 Semester 2 2024  | Subject Catalogue  Master of Actuarial  ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201  | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306  | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200  | May Intake |
| BN-13146  May  September          | 2023 Semester 1 2023 Semester 2 2024  | ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201 Financial Mathematics  | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306 Stochastic Processes   | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200 Data Science   | May Intake |
| BN-13146  May  September          | 2023 Semester 1 2023 Semester 2 2024 Semester 3                                 | ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201 Financial Mathematics  Subject Catalogue   | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306 Stochastic Processes   | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200 Data Science  Program Catalogue  | May Intake |
| BN-13146  May  September  January | 2023 Semester 1 2023 Semester 2 2024 Semester 3                                 | Subject Catalogue  Master of Actuarial  ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201 Financial Mathematics  Subject Catalogue  ACSC71-307                               | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306 Stochastic Processes  Major Catalogue  ACSC71-400  | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200 Data Science  Program Catalogue  DTSC71-302 Statistical Learning and Regression  | May Intake |
| BN-13146  May  September  January | 2023 Semester 1 2023 Semester 2 2024 Semester 3 2024 Semester 1                 | ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201 Financial Mathematics  Subject Catalogue  ACSC71-307 Survival Analysis   | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306 Stochastic Processes  Major Catalogue  ACSC71-400 Actuarial Control Cycle 1  | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200 Data Science  Program Catalogue  DTSC71-302 Statistical Learning and Regression Models   | May Intake |
| BN-13146  May  September  January | 2023 Semester 1 2023 Semester 2 2024 Semester 3 2024 Semester 1 2024            | Subject Catalogue  Master of Actuarial  ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201 Financial Mathematics  Subject Catalogue  ACSC71-307 Survival Analysis  ACSC71-401 | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306 Stochastic Processes  Major Catalogue  ACSC71-400 Actuarial Control Cycle 1  FINC71-301                            | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200 Data Science  Program Catalogue  DTSC71-302 Statistical Learning and Regression Models  General Elective PG Choose any PG subject provided                       | May Intake |
| BN-13146  May  September  January | 2023 Semester 1 2023 Semester 2 2024 Semester 3 2024 Semester 1 2024 Semester 2 | ACCT71-100 Accounting Principles  ACSC71-200 Mathematical Statistics  ACSC71-201 Financial Mathematics  Subject Catalogue  ACSC71-307 Survival Analysis  ACSC71-401 Actuarial Control Cycle 2               | Major Catalogue  Practice  ACSC71-301 Contingencies  ECON71-200 Linear Models and Applied Econometrics  ACSC71-306 Stochastic Processes  Major Catalogue  ACSC71-400 Actuarial Control Cycle 1  FINC71-301 Advanced Corporate Finance | Program Catalogue  ECON71-100 Principles of Economics  ECON71-202 Macroeconomics  DTSC71-200 Data Science  Program Catalogue  DTSC71-302 Statistical Learning and Regression Models  General Elective PG Choose any PG subject provided requirements are met. | May Intake |

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## Program structure and sequence plans



| BN-13146  |            | <b>Master of Actuarial</b>     |   |  |            |
|-----------|------------|--------------------------------|---|--|------------|
|           |            |                                |   |  | Sep Intake |
|           | 2023       | ACCT71-100                     | ACSC71-200                                    | ECON71-200   |            |
| September | Semester 1 | Accounting Principles          | Mathematical Statistics                       | Linear Models and Applied<br>Econometrics            |            |
|           | 2024       | ACSC71-201                     | ACSC71-306                                    | ECON71-100   |            |
| January   | Semester 2 | Financial Mathematics          | Stochastic Processes                          | Principles of Economics                              |            |
|           | 2024       | ACSC71-301                     | ACSC71-307                                    | ECON71-202   |            |
| May       | Semester 3 | Contingencies                  | Survival Analysis                             | Macroeconomics                                       |            |
|           |            | Subject Catalogue              | Major Catalogue                               | Program Catalogue                                    |            |
|           | 2024       | ACSC71-305                     | FINC71-301                                    | DTSC71-200   |            |
| September | Semester 1 | Actuarial and Financial Models | Advanced Corporate Finance                    | Data Science   |            |
|           | 2025       | ACSC71-400                     | FINC71-303                                    | General Elective PG                                  |            |
| January   | Semester 2 | Actuarial Control Cycle 1      | Portfolio Analysis and Investments            | Choose any PG subject provided requirements are met. |            |
|           | 2025       | ACSC71-401                     | DTSC71-302                                    | General Elective PG                                  |            |
| May       | Semester 3 | Actuarial Control Cycle 2      | Statistical Learning and Regression<br>Models | Choose any PG subject provided requirements are met. |            |

#### **PROGRAM INFORMATION**

Accredited by the Actuaries Institute, the Master of Actuarial Practice is an innovative and immersive program that combines advanced mathematics, statistics, data analytics, actuarial risk theory, finance, economics and accounting with large-scale, real-life commercial data analysis to develop techniques for the management of risk and business decision making. An integral part of this degree is the development of research skills and actuarial judgement through the Actuarial Control Cycle subjects and the Actuarial Research Thesis subject.

The Master of Actuarial Practice will deliver smaller classes for personalised attention and unparalleled access to Bond University's Bond Fin Tech Hub and Bloomberg data-sourcing terminals. The program will develop skills in the challenge of handling 'big data' to create practical solutions for real-world problems. The successful completion of the program at an appropriate level of performance will lead to Part I and Part II qualification with the Actuaries Institute.

### SUBJECT INFORMATION

Please note that FINC71-318 (FINC71-202) FINC71-601 (FINC71-301) FINC71-603 (FINC71-301) FINC71-604 (FINC71-304) FINC71-607 (FINC71-307) have changed CODES from September Semester.

#### **ASSUMED KNOWLEDGE**

Assumed knowledge is the minimum level of knowledge of a subject area that students are assumed to have acquired through previous study. It is the responsibility of students to ensure they meet the assumed knowledge expectations of a specified subject. Students who do not possess this prior knowledge are strongly recommended against enrolling and do so at their own risk. No concessions will be made for students' lack of prior knowledge. Please check for all requirements on your subject outline prior to enrolement.

### **OPPORTUNITES**

Students may have the opportunity to participate in an international study tour experience or internship as a general elective. Those interested should consult with an Enrolment Officer in Student Assist for guidance and to check eligibility requirements (e.g., GPA, language proficiency, prerequisites).

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# Program structure and sequence plans



| N-13146   | Structure for Master of Actuarial Practice |   |                        |                             |  |  |
|-----------|--|---|------------------------|-----------------------------|--|--|
| Available | Code                                       | Title   | Assumed Knowledge      | Requisite                   |  |  |
| J/M/S     | Required<br>Subjects 160                   | Students must complete the following one hundred and sixty credit points (160CP) of subjects. |                        |                             |  |  |
| J/M/S     | ACCT71-100                                 | Accounting Principles   |                        |                             |  |  |
| M/S       | ACSC71-200                                 | Mathematical Statistics   |                        |                             |  |  |
| J         | ACSC71-201                                 | Financial Mathematics   |                        |                             |  |  |
| M         | ACSC71-301                                 | Contingencies   |                        | ACSC71-201                  |  |  |
| J/S       | ACSC71-305                                 | Actuarial and Financial Models  |                        | ACSC71-200_Pre/Co-Requisite |  |  |
| J/S       | ACSC71-306                                 | Stochastic Processes  |                        |                             |  |  |
| M/S       | ACSC71-307                                 | Survival Analysis   |                        | ACSC71-200                  |  |  |
| J/M       | ACSC71-400                                 | Actuarial Control Cycle 1   |                        | ACSC71-301                  |  |  |
| M/S       | ACSC71-401                                 | Actuarial Control Cycle 2   | ACSC71-301             |                             |  |  |
| J/S       | DTSC71-200                                 | Data Science  |                        |                             |  |  |
| M         | DTSC71-302                                 | Statistical Learning and Regression Models  | DTSC71-200, ECON71-200 |                             |  |  |
| J/M       | ECON71-100                                 | Principles of Economics   |                        |                             |  |  |
| J/M/S     | ECON71-200                                 | Linear Models and Applied Econometrics  |                        |                             |  |  |
| J/M/S     | ECON71-202                                 | Macroeconomics  |                        |                             |  |  |
| J/S       | FINC71-301                                 | Advanced Corporate Finance  | FINC71-101             |                             |  |  |
| J/M       | FINC71-303                                 | Portfolio Analysis and Investments  | FINC71-101             |                             |  |  |
| J/M/S     | General                                    | Students must choose twenty credit points (20CP) of   |                        |                             |  |  |
|           | Electives 2                                | undergraduate subjects from across the University.  |                        |                             |  |  |

Updated 31/07/2023