

# Master of Actuarial Science

## Recommended Study Plan - MC-ACTSCI (16 subject program - 200 points)

The degree is designed to be completed in two years of full-time study and requires completion of 200 points. The degree consists of 16 semester-length subjects comprising 6 discipline core subjects, 2 capstone subjects and 8 elective subjects. It is recommended that students take 4 core/capstone and 4 elective subjects in both the first and second years of the program.



This program has only one intake per year

### GROUP 1

FIRST SEMESTER OF STUDY		
Discipline Core	<u>ACTL90001</u>	Mathematics of Finance I ( <i>only offered in Semester 1</i> )
Discipline Core	<u>ACTL90006</u>	Life Insurance Models 1 ( <i>only offered in Semester 1</i> )
Elective		
Elective		
SECOND SEMESTER OF STUDY		
Discipline Core	<u>ACTL90002</u>	Mathematics of Finance II ( <i>only offered in Semester 2</i> )
Capstone	<u>ACTL90007</u>	Life Insurance Models 2 ( <i>only offered in Semester 2</i> )
Elective		
Elective		
THIRD SEMESTER OF STUDY		
Discipline Core	<u>ACTL90003</u>	Mathematics of Finance III ( <i>only offered in Semester 1</i> )
Discipline Core	<u>ACTL90004</u>	Insurance Risk Models ( <i>only offered in Semester 1</i> )
Elective		
Elective		

FOURTH SEMESTER OF STUDY		
Capstone	<u>ACTL90005</u>	Life Contingencies ( <i>only offered in Semester 2</i> )
Discipline Core	<u>ACTL90008</u>	Statistical Techniques in Insurance ( <i>only offered in Semester 2</i> )
Elective		
Elective		

Eight electives to be taken from the Master of Management elective subject listings. Please see the list of approved electives at: <https://handbook.unimelb.edu.au/master-of-management-general-electives-2018>; or other masters subjects in actuarial studies, economics, finance and mathematics as approved by the program director. Depending on the background of students entering the Masters degree, some students may also take subjects in probability and statistics.

## GROUP 2

Some students may be required to take the subjects Probability and Statistics in their first and second semester of study. See this study plan listed below.

FIRST SEMESTER OF STUDY		
Discipline Core	<u>ACTL90001</u>	Mathematics of Finance I ( <i>only offered in Semester 1</i> )
Discipline Core	<u>MAST20004</u>	Probability ( <i>offered in Semester 1</i> )
Elective		
Elective		

SECOND SEMESTER OF STUDY		
Discipline Core	<u>ACTL90002</u>	Mathematics of Finance II ( <i>only offered in Semester 2</i> )
Discipline Core	<u>MAST20005</u>	Statistics ( <i>offered in Semester 2</i> )
Elective		
Elective		

THIRD SEMESTER OF STUDY		
Discipline Core	<u>ACTL90003</u>	Mathematics of Finance III ( <i>only offered in Semester 1</i> )
Discipline Core	<u>ACTL90004</u>	Insurance Risk Models ( <i>only offered in Semester 1</i> )
Discipline Core	<u>ACTL90006</u>	Life Insurance Models 1 ( <i>only offered in Semester 1</i> )
Elective		

FOURTH SEMESTER OF STUDY		
Capstone	<u>ACTL90005</u>	Life Contingencies ( <i>only offered in Semester 2</i> )
Capstone	<u>ACTL90007</u>	Life Insurance Models 2 ( <i>only offered in Semester 2</i> )
Discipline Core	<u>ACTL90008</u>	Statistical Techniques in Insurance ( <i>only offered in Semester 2</i> )
Elective		

Six electives to be taken from the Master of Management elective subject listings. Please see the list of approved electives at: <https://handbook.unimelb.edu.au/master-of-management-general-electives-2018>; or other masters subjects in actuarial studies, economics, finance and mathematics as approved by the program director. Depending on the background of students entering the Masters degree, some students may also take subjects in probability and statistics.

**Please note:** All core subjects are only available in one semester per year - either Semester 1 or Semester 2; therefore, please follow the recommended study plan.

**Please note:** You should make an appointment to meet with the Master of Actuarial Science Academic Program Director, Associate Professor Shuanming Li (email: [shli@unimelb.edu.au](mailto:shli@unimelb.edu.au)) to discuss and seek approval for your study plan.



Please see the program structure outlined in the online *Handbook*:  
<https://handbook.unimelb.edu.au/courses/MC-ACTSCI>

### What do I need to do next?

Once you have reviewed your recommended study plan, you will be required to complete your online enrolment. Students commencing in Semester 1 are required to enrol in subjects for the full year (both Semester 1 and Semester 2); students commencing in Semester 2 are only required to enrol in subjects for Semester 2.

### Start your online enrolment

[students.unimelb.edu.au/get-started](https://students.unimelb.edu.au/get-started)

### Where do I go for help?

If you need assistance with the online enrolment system or require further study planning advice, please contact Stop 1:



Start a Live Chat,  
send us an email,  
or check our FAQs  
[ask.unimelb.edu.au](https://ask.unimelb.edu.au)



Call us at  
13 MELB  
(13 6352)



Visit us at  
**Parkville**  
757 Swanston Street  
  
**Southbank**  
Building 860,  
Elisabeth Murdoch

[students.unimelb.edu.au](https://students.unimelb.edu.au)