

Master of Commerce (Actuarial Science)

Recommended Study Plan - MC-COMACTS (12 subject program - 150 points)

The degree is designed to be completed in one and a half years of full-time study and requires completion of 150 points, comprised of 87.5 points of core actuarial subjects and 62.5 points of elective subjects. Student can elect to follow one of two pathways; the practice pathway or the research pathway.



This program has only one intake per year

Practice Pathway

FIRST SEMESTER OF STUDY		
Discipline Core	<u>ACTL90003</u>	Mathematics of Finance III
Discipline Core	<u>ACTL90004</u>	Insurance Risk Models
Discipline Core	<u>ACTL90010</u>	Actuarial Practice and Control I
Elective		
SECOND SEMESTER OF STUDY		
Constrained Choice Discipline Core		To be chosen from the constrained list of discipline core subjects below
Elective		
Elective		
Capstone	<u>ACTL90011</u>	Actuarial Practice and Control II
THIRD SEMESTER OF STUDY		
Constrained Choice Discipline Core		To be chosen from the constrained list of discipline core subjects below
Capstone	<u>ACTL90009</u>	Actuarial Practice and Control III
Elective		
Elective		

25 points of constrained choice core actuarial subjects to be selected from the following list:

<u>ACTL90013</u>	Actuarial Studies Projects	<i>(Semester 1, Semester 2)</i>
<u>ACTL90014</u>	Insurance Risk Models II	<i>(Semester 2)</i>
<u>ACTL90015</u>	Mathematics of Finance IV	<i>(Semester 2)</i>
<u>ACTL90016</u>	Actuarial Science Research Report Part 1	<i>(Semester 1, Semester 2)</i>
<u>ACTL90017</u>	Actuarial Science Research Report 2	<i>(Semester 1, Semester 2)</i>

62.5 points of elective subjects must be taken from the following subjects and core actuarial subjects:

<u>ECOM90004</u>	Time Series Analysis and Forecasting	<i>(Semester 2)</i>
<u>ECOM90010</u>	Bayesian Econometrics	<i>(Not offered in 2018)</i>
<u>FNCE40003</u>	Numerical Techniques in Finance	<i>(Semester 1)</i>
<u>MAST90045</u>	Systems Modelling and Simulation	<i>(Semester 1)</i>
<u>MAST90082</u>	Mathematical Statistics	<i>(Semester 1)</i>
<u>MULT90014</u>	Business Risk Management	<i>(Winter Term)</i>

Other Masters level electives in actuarial studies, economics, finance or mathematics, may be taken as approved by the Academic Program Director.

Students interested in progressing to the PhD program will need to follow the research pathway.

Research Pathway

FIRST SEMESTER OF STUDY		
Discipline Core	<u>ACTL90003</u>	Mathematics of Finance III
Discipline Core	<u>ACTL90004</u>	Insurance Risk Models
Discipline Core	<u>ACTL90010</u>	Actuarial Practice and Control I
Elective		

SECOND SEMESTER OF STUDY		
Constrained Choice Discipline Core		
Elective		
Elective		
Capstone*	<u>ACTL90016</u>	Actuarial Science Research Report Part 1

THIRD SEMESTER OF STUDY		
Capstone*	<u>ACTL90017</u>	Actuarial Science Research Report Part 2
Constrained Choice Discipline Core		
Elective		
Elective		

ACTL90016 Actuarial Science Research Report Part 1 and ACTL90017 Actuarial Science Research Report Part 2 (12.5 points, to be taken twice over the last two semesters or twice in final semester).

25 points of constrained choice core actuarial subjects to be selected from the following list:

<u>ACTL90009</u>	Actuarial Practice and Control III	(Semester 1, Semester 2)
<u>ACTL90011</u>	Actuarial Practice and Control II	(Semester 2)
<u>ACTL90013</u>	Actuarial Studies Projects	(Semester 1, Semester 2)
<u>ACTL90014</u>	Insurance Risk Models II	(Semester 2)
<u>ACTL90015</u>	Mathematics of Finance IV	(Semester 2)

62.5 points of elective subjects must be taken from the following subjects and core actuarial subjects:

<u>ECOM90004</u>	Time Series Analysis and Forecasting	(Semester 2)
<u>ECOM90010</u>	Bayesian Econometrics	(Not offered in 2018)
<u>FNCE40003</u>	Numerical Techniques in Finance	(Semester 1)
<u>MAST90045</u>	Systems Modelling and Simulation	(Semester 1)
<u>MAST90082</u>	Mathematical Statistics	(Semester 1)
<u>MULT90014</u>	Business Risk Management	(Winter Term)

Other Masters level electives in actuarial studies, economics, finance or mathematics, may be taken as approved by the Academic Program Director.



Please see the program structure outlined in the online *Handbook*:

<https://handbook.unimelb.edu.au/courses/MC-COMACTS>

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

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



Call us at
13 MELB
(13 6352)



Visit us at
Parkville
757 Swanston Street

Southbank
Building 860,
Elisabeth Murdoch

students.unimelb.edu.au