# Mathematics and Statistics (Financial Mathematics specialisation)

**Year and Campus:** 2010

**Coordinator:** .

**Contact:** **Email (http://studentadmin-unimelb.custhelp.com/cgi-bin/studentadmin_unimelb.cfg/php/enduser/ask.php?&p_srch=1&p_icf_47=945)** the Science Student Centre

**Overview:** Major study in **Mathematics and Statistics**, specialising in Financial Mathematics.

**Objectives:** .

**Structure & Available Subjects:**

In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.

**Subject Options:**

### Mathematics and Statistics major (Financial Mathematics)

**Please note that unless 620-302 Chance and Options Pricing has been completed prior to 2010 this specialisation is not available.** Please contact the Department of Mathematics and Statistics for further information.

Completion of 50 points of study at third year level.

Both of:

620-302 Chance and Options Pricing (Prior to 2010)

| Subject | Study Period Commencement: | Credit Points: |
|---|---|---|
| MAST30001 Stochastic Modelling | Semester 2 | 12.50 |

Plus one of:

620-381 Computational Mathematics (Prior to 2010)

| Subject | Study Period Commencement: | Credit Points: |
|---|---|---|
| MAST30028 Numerical and Symbolic Mathematics | Semester 1 | 12.50 |

Plus one of:

| Subject | Study Period Commencement: | Credit Points: |
|---|---|---|
| MAST30013 Techniques in Operations Research | Semester 1 | 12.50 |
| MAST30025 Linear Statistical Models | Semester 1 | 12.50 |

620-371 Linear Models (Prior to 2010)

620-374 Sampling and Forecasting (Prior to 2010)

Please note 620-361 Techniques in Operations Research was previously called Operations Research: Techniques.

Please note that credit exclusions may apply. Check individual subject descriptions for further information.

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| **Related Course(s):** | Bachelor of Arts and Bachelor of Science<br>Bachelor of Arts and Sciences<br>Bachelor of Commerce and Bachelor of Science<br>Bachelor of Science<br>Bachelor of Science and Bachelor of Information Systems |