Mathematics and Statistics

Year and Campus:	2013
Coordinator:	Dr Lawrence Reeves Department of Mathematics and Statistics
Contact:	Email: **lreeves@unimelb.edu.au (mailto:lreeves@unimelb.edu.au)**
Overview:	A Mathematics and Statistics major will provide essential knowledge and transferable skills for students entering careers or research in the following areas: General sciences, Agriculture and environmental sciences, Banking, Finance and Commerce, Engineering, Government, Education, Industry, e.g. logistics/project manager, market research consultant, IT and computing, and Medicine.
Objectives:	Graduates will be prepared for these pathways by developing: # depth of knowledge in a coherent discipline-based undergraduate program which allows a student to build expertise and interest in particular specialisation areas # conceptual understanding through the use of technology and linking of application areas to theory as appropriate # transferable skills such as logical reasoning, oral and written communication, problem-solving, research, time management # analytical and cognitive skills which will enable the development of critical and creative thinking # the capacity to perform as an effective team member in collaborative work with colleagues.
Structure & Available Subjects:	Completion of 50 points of study at Level 3.
Majors/Minors/ Specialisations	There are four specialisations within the Mathematics and Statistics major.

Major/Minor/Specialisation
Pure Mathematics
Applied Mathematics
Operations Research / Discrete Mathematics
Statistics / Stochastic Processes

Notes:	This major is available to new generation Bachelor of Science students (B-SCI). It is also available to Bachelor of Science students who commenced prior to 2008. The published structure of this major includes subjects available in the current year. Pre-2008 Bachelor of Science students who completed one or more Level 3 science subjects towards this major prior to 2010 should contact the Science Student Centre for advice on appropriate subjects to complete this major.
Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Commerce and Bachelor of Science Bachelor of Science Bachelor of Science