Mathematics and Statistics

Year and Campus:	2010
Coordinator:	Dr Steven CarnieDepartment of Mathematics and Statistics
Contact:	**S.Carnie@ms.unimelb.edu.au (mailto:S.Carnie@ms.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 third year level
Majors/Minors/ Specialisations	There are four specialisations within the Mathematics and Statistics major.
Related Course(s):	Bachelor of Science

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