

MC-ENTSC Master of Enterprise (Science)

Year and Campus:	2015 - Parkville
CRICOS Code:	080338M
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	150 credit points taken over 18 months full time. This course is available as full or part time.
Coordinator:	TBC
Contact:	MBS @ Berkeley Street Level 4, 198 Berkeley Street Telephone: +61 3 8344 1670 Web: www.mbs.unimelb.edu.au (http://www.gsbe.unimelb.edu.au/)
Course Overview:	The objective of the Master of Enterprise (Science) is to create skilled leaders and managers who can create value in their organisations and society through effective management, particularly of science and technology. This innovative degree provides advanced knowledge in the core subject areas required by leaders in the modern organisation as well as the opportunity to develop specific skills in innovation and entrepreneurship in technology intensive organisations. Subjects in this degree will address the knowledge required to bring science and technology projects to commercial fruition, and to bring such innovations effectively into organisational settings.
Learning Outcomes:	<p>1. Learning Goal</p> <p>Graduates of this degree will be knowledgeable of all key aspects of leadership and management of science/ technology management, innovation and new streams of value creation in organisational settings, including marketing, managing people, managing supply, managing technical projects and strategic innovation management.</p> <p>Learning objectives to achieve these goals</p> <p>On successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> # Understand and apply leadership and management of the innovation body of knowledge that includes the understanding of managing complex technical projects, and creation of innovation capabilities; # Apply cognitive skills to demonstrate mastery of theoretical knowledge in innovation and technology management to reflect critically on theory and professional practice or scholarship; # Use cognitive, technical and creative skills to generate and evaluate complex ideas concepts at an abstract level, associated with innovation and technology management and their ability to achieve effective business / organisational outcomes; and # Demonstrate technical and communication skills to design, evaluate, implement, analyse, theorise about innovation and science/ technology management developments that contribute to professional practice or scholarship. <p>2. Learning Goal</p> <p>Graduates of this degree will be professional in their approach to Science/ Technology/ Innovation Management.</p> <p>Learning objectives to achieve these goals</p> <p>On successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> # Apply technical and communication skills to design, evaluate, implement, analyse, theorise about developments that contribute to high levels of innovation and science management performance outcomes; # Plan and execute a substantial research-based project, capstone experience and/or piece of scholarship (in the domain of science and technology management);

- # Demonstrate and use cognitive, technical and creative skills to generate and evaluate complex science and technology management challenges at an abstract and at a practical level;
- # Effectively investigate science and technology management problems and opportunities, using communication and technical research skills to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences;
- # Effectively apply knowledge of research principles and methods of science and technology management analysis and business decision analysis;
- # Use cognitive, technical and creative skills to investigate, analyse and synthesise complex information, problems, concepts and theories and to apply theories science and technology management effectiveness to different contextual problems; and
- # Demonstrate cognitive skills to demonstrate mastery of science and technology management and related business theories and to reflect critically on both theory and professional practice.

3. Learning Goal

Graduates of this degree will be analytical in all aspects of science and technology management.

Learning objectives to achieve these goals

On successful completion of this course, students should be able to:

- # Apply a body of knowledge that includes the understanding of recent developments in a analysing and optimising science and technology management process and project designs and their impact on business strategies;
- # Apply cognitive skills to demonstrate mastery of science and technology management theories and when to choose and use various analytical approaches to underpin judgement;
- # Apply technical and communication skills to design, evaluate, implement, analyse, theorise about new and emerging developments in science and technology management and the analysis of innovation and enterprise problems and opportunities;
- # Analyse innovation and enterprise management with creativity and initiative especially in new situations of science and technology management including professional practice; and
- # Recommend or make decisions concerning science and technology management, innovation and enterprise designs and operations with high level personal autonomy and accountability.

Course Structure & Available Subjects:

The Master of Enterprise (Science) consists of 12 subjects comprising four constrained choice core enterprise subjects, four science subjects, two elective subject and two capstone subjects.

Subject Options:

Constrained choice core enterprise subjects

Students must select four constrained choice core enterprise subjects from the following list:

Subject	Study Period Commencement:	Credit Points:
MGMT90040 Behaviour & Leadership in Organisations	November	12.5
MGMT90041 Financial & Performance Management	November	12.5
MGMT90043 Managerial Economics	August	12.5
MGMT90045 Marketing for Managers	February	12.5
MGMT90047 Production & Operations Management	May	12.5
MGMT90048 Quant Analysis for Managerial Decisions	May	12.5
MGMT90107 Leadership & Management	August	12.5

Core science subjects

Students must select these four of the following Science Core subjects:

Subject	Study Period Commencement:	Credit Points:
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MECM90027 Communicating Science Effectively (MoE)	Not offered 2015	12.5
MKTG90030 Commercialisation of Science (MoE)	Not offered 2015	12.5
MAST90086 Data and Decision Making (MoE)	October	12.5
MGMT90210 Project Management in Science (MoE)	July	12.5

Capstone subjects

Students must select both of the following capstone subjects:

Subject	Study Period Commencement:	Credit Points:
MGMT90049 Strategy, Ethics & Governance	February	12.5
MGMT90175 Innovation and Enterprise Project	July, Semester 1	12.5

Elective subjects

Students can select two elective subjects from the University's graduate level offerings in Science and Business, approved by the program director as relevant to the enterprise or science interests of the student.

Entry Requirements:

- In order to be considered for entry, applicants must have completed:
 - # an undergraduate degree in a science or technology-based discipline, and at least three years of documented relevant, professional work experience; or
 - # an honours degree in a science or technology-based discipline, and at least two years of documented relevant, professional work experience; or
 - # a master degree in a science or technology-based discipline, and at least one year of documented relevant, professional work experience; or
 - # a doctoral degree in a science or technology-based discipline.

Meeting these requirements does not guarantee selection.
- In ranking applications, the Selection Committee will consider:
 - # prior academic performance; and
 - # professional experience
- The Selection Committee may seek further information to clarify any aspect of an application in accordance with the Admission and Selection into Course Policy at <https://policy.unimelb.edu.au/MPF1035> (<https://policy.unimelb.edu.au/MPF1035>)
- The minimum English language requirements for this course are **Band 6.5** (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)

Core Participation Requirements:

The Faculty of Business and Economics welcomes applications from students with disabilities. It is University and Faculty policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the Faculty's programs. The BCom and Masters degrees of the Faculty of Business and Economics equip graduates with the knowledge and technical skills necessary to understand and participate in the modern business world. The degrees include the following academic requirements for study: (1) The ability to explain and evaluate concepts, theories, institutional arrangements and operations of modern mixed economies; (2) The ability to critically evaluate the economy, commerce and business in the broader social and political context; (3) The ability to explain and apply concepts across a range of commerce and business disciplines in solving business and policy problems; and (4) The ability to contribute positively to the development of organisations and society in relation to business, government and the commercial professions. All students of the Faculty's courses must possess intellectual, ethical, and emotional capabilities required to participate in the full curriculum and to achieve the levels of competence required by the Faculty. Candidates for the BCom degree and for FBE Masters degrees must have abilities and skills in communication; in conceptual, integrative, and quantitative dimensions; and in behavioural and social dimensions. I. Communication: The student must be able to communicate effectively and efficiently in oral and/or written form. A student must have the ability to clearly and independently communicate knowledge and application of a discipline, principles or practices during assessment tasks, and in some discipline streams. II. Intellectual#Conceptual, Integrative and Quantitative Abilities: The

	<p>student is expected to have the ability to develop problem-solving skills and demonstrate the ability to establish study plans and priorities. These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving requires all of these intellectual abilities. Students should also have the ability to comprehend complex disciplinary and cross disciplinary information related to the BCom and Masters degrees. III. Behavioural and Social Attributes: A student must possess behavioural and social attributes that enable them to participate in a complex learning environment and the emotional health required for full utilisation of his/her intellectual abilities. Students are required to take responsibility for their own participation and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. Integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities that are deemed necessary for students enrolled in FBE courses. Students who feel their disability will prevent them from participating in tasks involving the inherent academic requirements of the BCom and FBE Masters courses are encouraged to contact the Disability Liaison Unit. Adjustments can be provided to minimise the impact of a disability, but students should participate in the course in an independent manner.</p>
<p>Graduate Attributes:</p>	<p>Academically excellent Our graduates will be expected to be: Knowledgeable of all aspects of science and technology management, innovation management and entrepreneurial activities related to value creation in organisations; and Analytical in all aspects of science and technology management, innovation and entrepreneurship. Knowledgeable across disciplines Our graduates will be expected to be: Intellectually curious, creative and independent in thought. Leaders in communities Our graduates will be expected to be: Professional in their approach to science and technology management, innovation and entrepreneurship; Effective team members and collaborators; Effective communicators of key ideas and theories within the discipline areas; and Ethical in their behaviour in leadership and organisation of science and technology management, innovation and entrepreneurship.</p>