



Master of Information Systems (Executive)

100% online



THE UNIVERSITY OF
MELBOURNE

ONLINE MASTER OF INFORMATION SYSTEMS (EXECUTIVE)

Overview

The Master of Information Systems (Executive) is a unique online course covering critical areas in information systems management and digital business for ambitious senior information technology executives.

It has been developed for those people already in an executive role and those aspiring to a C-level role, for example Chief Technology Officer or Chief Information Officer or similar.

As a student of this course you will develop advanced capability in supporting, managing and changing business processes through information and communication technology (ICT). You'll also be able to tailor your course to your career aspirations with a range of study areas available, including IT strategy, emerging technologies, information assurance, and outsourcing and contracting.

"We've designed this course to address international demand for high quality online education for Enterprise Leaders in Information Systems and Digital Business, drawing on a wealth of knowledge and practical experience from both leading experts in academia and industry."

Dr Atif Ahmad, Course Coordinator
Master of Information Systems (Executive)

Who you will learn from

The course is taught by academics and industry leaders with regular industry input and guest speakers including current, experienced CIO's. Your online learning experience is enriched by interaction with lecturers, tutors and your fellow classmates as a community of advanced learners.

You can expect input and feedback from your lecturers and tutors as well as regular real-time sessions where you speak

with the instructor and fellow students. There will also be occasional non-compulsory face to face networking conferences in Melbourne which students can choose to attend. Selected seminars at the conferences will also be recorded and available to students.



Dr Sara Cullen

Fellow, University of Melbourne
Subject Coordinator, Outsourcing and Contracting and Managing IT Professionals
Managing Director,
The Cullen Group



Dr Rod Dilnutt

Industry Fellow School of Computing and Information Systems, University of Melbourne
Director, William Bethwey & Associates
Subject Coordinator, Advanced Change Management



Dr Atif Ahmad

Course Coordinator,
Master of Information Systems (Executive)
Subject Coordinator, Information Assurance

Who is this course for?

This course is for ambitious senior information technology managers with a minimum of 5 years (preferably 10 years) of experience who are keen to take their knowledge and leadership to the next level. You will likely hold a role as:

- Head of Information Technology
- Head of Information Systems
- Executive Manager Information Systems/Services
- Director of Information Technology/Systems
- Systems and Architecture Manager
- Strategy Director – IT
- Chief Technology Officer
- Chief Information Officer

What are the benefits?

The 1 year full-time (or 2 years part-time) Master of Information Systems (Executive) incorporates emerging trends and the latest industry requirements as well as input from industry partners, to ensure your learning is relevant and practical.

You will gain strategic expertise to influence decision-making at the most senior level and will learn advanced collaborative skills to manage complex teams.

You will also gain the knowledge and confidence to take the next executive-level step in your career and you will have acquired an extensive network of high-achieving peers from a variety of industries.

The flexibility of online course delivery means you can study around other work commitments and in a place that suits you.

What will I learn?

At the completion of this course you will have:

- Developed a sound knowledge and understanding of the management practice of information systems in organisations
- Developed and applied skills in critical thinking and systems analysis suited to the application of information systems concepts and theories to real-world practice
- Developed business and IT alignment thought leadership to help you convey the value of the latest technologies for business
- Gained experience in identifying, understanding, evaluating and communicating strategic and operational issues in the real-world practice of information systems
- Demonstrated an understanding of professional codes of conduct and ethical standards as they apply to business practice
- Advanced knowledge of research principles and methods in information systems.

Subject summaries

To gain the Master of Information Systems (Executive) you must complete 100 points comprising of:

- Six elective subjects, and
- One compulsory capstone subject

Please note, you must complete four elective subjects totaling 50 points before enrolling in the capstone subject Managing Information Systems.

| Elective subjects | | Points |
|--------------------------------|---|--------|
| Information Systems Strategy | <p>Strategic alignment of Information Systems (IS) and business is critical to the competitive positioning of organisations. IS governance deals with all aspects of the formulation and implementation of IS management plans, including IS strategic plans.</p> <p>This subject discusses approaches to the formulation and development of IS strategies. Topics covered include analysing an organisation's operating model, IS governance arrangements and IS governance policy framework, and maturity in the adoption of enterprise architectures.</p> <p>Students are expected to become familiar with current IS governance frameworks and their implications for developing IS governance plans.</p> | 12.5 |
| Outsourcing & Contracting | <p>Outsourcing has become a routine part of management, yet it remains far from easy. In general, the concept of using external organisations (whether domestic or offshore) is considered an efficient and logical way to get things done, and is indeed widely accepted in many sectors of the economy. However, the learning curve is significant, it involves considerable hard work by both parties on a daily basis, and the results are highly dependent on the capabilities of the organisations involved. This subject focuses on the crucial activities that make a difference between success and disappointment.</p> | 12.5 |
| Technopreneurship & Innovation | <p>This subject asks the question 'what makes a successful entrepreneur?' It's a complex topic and the subject of heated debate in the business, education and the economics communities, and also in discussions of international development, sustainability and social philanthropy.</p> <p>The way we will approach this subject is by looking at the behaviours, attitudes, values and skills that entrepreneurs need to create the climate for successful innovation - whether they are entrepreneurs starting new ventures or 'Entrepreneurs' in large organisations. What you will discover in this subject is that innovation isn't just about having great ideas, and that entrepreneurs aren't who you think they are.</p> <p>The subject will do this by looking at topics such as how innovation works and how it can be managed, different modes of entrepreneurialism, how entrepreneurs think and how to create, build and sustain an entrepreneurial business.</p> | 12.5 |
| Information Assurance | <p>This subject introduces a range of information security management services implemented in industry. The subject will cover the fundamental principles and practice of security risk assessment, incident response and disaster recovery, knowledge leakage, systems and network security, and policy and culture. Students will develop an appreciation for the kinds of security practices that exist in industry in each of these areas.</p> <p>This subject supports course-level objectives by allowing students to have in-depth knowledge of the specialist area of information security management. The subject's assessment tasks include the writing of a comprehensive consulting proposal and research into critical security issues faced by organisations. These tasks will encourage students to work in a team to develop a high-level of achievement in writing, research activities, and presentation skills.</p> | 12.5 |

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| Emerging Technologies in Organisations | <p>As with many other forms of technology, information technologies have lifecycles ranging from initial conception, to possible adoption, and widespread use, to eventual obsolescence.</p> <p>This subject will examine emerging information technologies and the issues that relate to them, including: how they evolve and, enter usage, and their likely future effects on people and social structures.</p> | 12.5 |
| Information Economy & Society | This subject will focus on the patterns of IT spending in organisations, particularly strategies to reduce IT costs, increase information productivity and enhance knowledge capital. | 12.5 |
| Advanced Change Management | <p>This subject focuses on the development and implementation of information systems as both a catalyst for, and a response to, organisational change. In this subject, the interrelationship between information systems and organisational change is examined from both theoretical and practical perspectives.</p> <p>Several change management theories and models are investigated in depth with an analysis of their applicability, benefits, risks and impacts.</p> | 12.5 |
| Business Analytics & Decision-Making | Business analytics involves the use of data to support business decision-making. Topics covered include business decision-making, evidence-based management, data warehouse design and implementation, data sourcing and quality, on-line analytical processing (OLAP), dashboards and data mining, case studies of business analytics practice. | 12.5 |
| Enterprise Architecture Applications | <p>This subject introduces the concept of enterprise architecture (EA). The structure of an EA provides the framework by which an organisation can be understood. It introduces the fundamental relationships existing between various components of the EA namely: processes, information, organisational structure and enabling technologies.</p> <p>Consequently, many of the concept domains introduced in this subject are more fully explored in further core and elective subjects.</p> | 12.5 |
| Managing IT Professionals | <p>In this subject students are introduced to the processes of information systems project management with a focus on people in the presence of organisational politics. The first half of the term discusses eight of the nine knowledge areas of the Project Management Body of Knowledge (PMBOK) - scope, cost, time, human resources, risk, quality, and communication and integration management.</p> <p>The second half of this subject focuses on developing skills necessary to manage projects within an organisational setting and discusses topics including project management processes; teamwork; stakeholder behaviour; conflict; change management; politics; and project success factors.</p> | 12.5 |
| Capstone subject | | Points |
| Managing Information Systems | In this subject you will plan and execute a project involving substantial research or scholarship related to an industry organisation. The project will require integration of prior knowledge and the development of the graduate attributes of the University of Melbourne and will meet AQF requirements for knowledge and skills. | 25 |

Entry requirements

An undergraduate degree in an IT-related discipline with a weighted average mark of at least H2B (70%) in the final year of study or equivalent. Applicants who have a non-IT undergraduate degree but have substantive IT/IS work experience should contact us to discuss eligibility; and

- At least 5 years (preferably 10 years) of documented work experience in information systems-related work demonstrating a strong record of professional achievement and clear leadership potential; and
- A personal statement relating your goals and how you see the program contributing to your ability to meet your goals; and
- One professional and/or employer referee reports in the context of information systems-related work, which must be submitted prior to the application deadline.

Meeting these requirements makes you eligible for selection but does not guarantee selection.

In ranking applications, the Selection Committee will consider:

- Prior academic performance, and
- Professional work experience, and
- Personal statement, and
- The referee report;
- And short-listed applicants may be asked to attend an interview.

All applicants are required to provide a current curriculum vitae describing their work experience and tertiary and other qualifications, as a supplement to transcripts.

The Selection Committee may seek further information to clarify any aspect of an application in accordance with the Student Application and **Selection Procedure**.

Applicants are required to satisfy the university's English language requirements for graduate courses. For those applicants seeking to meet these requirements by one of the standard tests approved by the Academic Board, **performance band 6.5** is required for reading, writing and listening and a minimum **6.0** for speaking bands.

Note:

The interview for short-listed applicants is for obtaining information on the following matters:

- Standard of academic record;
- Nature and length of employment experience;
- Achievements subsequent to graduation;
- Reasons for seeking admission;
- Interpersonal and communication skills;
- Maturity and motivation.

International and interstate applicants may be interviewed by telephone, or electronically.

Students taking the course from overseas are not required to have an international student visa.

Course structure and fees

| Course | Duration | Structure | Point program | Fee |
|---|---------------------------------------|---|---------------|--|
| Master of Information Systems (Executive) | 1 year full-time or 2 years part-time | <ul style="list-style-type: none"> • 6 elective subjects • 1 capstone subject | 100 points | AU \$43,008* |
| Professional Development | 10 weeks | <ul style="list-style-type: none"> • 1 elective subject • 1 capstone subject | 12.5 points | AU \$4,552 (assessed) AU \$2,736 (non-assessed) |

Course fees are the same for both domestic and international students.

In cases of part-time study, the fee is based on the study load that the student is taking. Fees are paid on a per subject basis each term, and total course fees are not required to be paid up-front.

The fees listed are the indicative costs for 2018*. The University reviews fees annually. The indicative total course fee is based on typical subject enrolments, and includes an indexation of 5 per cent per annum.

For more information about fees and if you are eligible for fee assistance please visit:

futurestudents.unimelb.edu.au/admissions/fees or contact our Student Support team on +61 3 8344 0149 (9am – 5pm Monday – Friday).

A world class university

The University of Melbourne is consistently ranked among the leading universities in the world. The Times Higher Education World University Rankings placed us number one in Australia and number 33 in the world in its most recent release (2017-2018).

Studying online

Our courses are designed by a team of graphic designers, education technologists, video producers, video editors and technicians. Our expert e-learning designers work closely with teaching staff to make certain the content we create is ideal for the online medium. And, thanks to recent advances in technology, studying online is more interesting, enjoyable and interactive than ever before.

Online students come from different backgrounds and have many different stories to tell, but one thing that most have in common is that they're very busy. For that reason we make sure their education is as targeted and flexible as possible and available at the times that suit them. We make it possible to connect easily with experts and fellow students and to quickly access grades and academic feedback.

Although it's an entirely different learning experience to face-to-face, you will receive exactly the same qualification and graduation certificate as an on-campus student because you will achieve identical learning outcomes from the same academics that teach our on-campus courses. If you complete a master degree you will also be invited to attend a graduation ceremony in Melbourne.

As an online student at the University of Melbourne you can expect:

-  Enriching and engaging learning
-  Flexibility and choice
-  Connection with leading experts
-  Interaction and feedback
-  Dedicated Student Support team
-  Virtual student community
-  Specialisation and career advancement

Key dates

| Term | Intake |
|--------|-----------|
| Term 1 | January |
| Term 2 | April |
| Term 3 | July |
| Term 4 | September |

Dedicated student support

As an online student with the University of Melbourne you can expect a high level of administrative and technical and academic support from your initial expression of interest in the course, through to your graduation.

Don't be surprised if you get to know our Student Support team members by name; they are dedicated, personal and friendly and they understand that every student experience is unique. And if a challenge arises, they'll do everything in their power to assist you so that you can continue to have excellent learning experiences.

Learn more

To learn more about this course, contact our Student Support team on **+61 3 8344 0149** or at **continuing-education@unimelb.edu.au** (Mon - Fri 8am - 9pm, Sat - Sun 10am - 5pm, Public Holidays 10am - 5pm).

Ready to apply?

Apply online at
online.unimelb.edu.au/master-of-information-systems-executive

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