

Master of Business Information Systems (MBIS20)

1. About the Master of Business Information Systems

Master of Information Systems Management (MBIS) prepares students with advanced information systems skills and capacity to participate and lead in a multi-disciplinary team environment within a contemporary organisation. This course aims to equip information system professionals to appreciate the emerging trends, challenges and opportunities and navigate these through effective management and leadership capabilities. This course is underpinned by the philosophy that information systems professionals, should have the appropriate management and organisational skills alongside technological problem-solving ability to oversee the operational performance of complex data driven enterprise. Hence, the MBIS course aims to prepare graduates with strong underpinning, skills and attributes in the information system and management domains. The curriculum design and delivery of this course aim to provide an opportunity for students to develop their lifelong learning abilities to work as a manager in a data driven organisation.

The MBIS curriculum ensures, student outcomes are greatly enhanced through the integration and application of real industry experience. Like all postgraduate courses in the field of management, this course will make use of innovative pedagogical methods, beyond traditional delivery approaches to bridge the gap between academia and industry.

The MBIS course at Torrens University Australia (TUA) will prepare students to undertake a range of management and leadership responsibilities in a data driven organisations by developing their analytical and synthesis skills. The overall teaching approach in the MBIS follows a student-centered approach that encourages students to have responsibility of their learning. The MBIS curriculum will enable students to construct their own knowledge guided by their facilitators and learn to create and extend mental processes for solutions to problems. This follows the andragogical principles that articulate and highlight key considerations arising from a student-centered constructivist approach to adult learning. A variety of teaching and learning activities are used in a student-centered constructivist approach that emphasises the learner's role and recognises previous skills, knowledge and experience.

Information Systems professionals require business and technical skills as they are a conduit between the information technology specialists in business and the more business-oriented members of an organisation. The curriculum design of the MBIS is guided by an understanding of Information Systems, the requirements of business, project management, technical knowledge in databases and programming, data management and analytics. These concepts are underpinned by professional codes, ethical considerations and security. The course is designed to create work-ready graduates who will contribute to the ever-growing role of an information systems professional in the digital economy.

Graduate employment opportunities

Graduates of the MBIS can expect to gain ICT business and management skills. Roles may include:

- Chief information officer
- ICT business analyst
- database administrator/manager

- information and communication technology (ICT) architect
- ICT consultant
- ICT project manager
- systems administrator
- systems analyst

Course Overview

Course Title	Master of Business Information Systems (MBIS20)		
Study Options – Domestic Australian students	Face to Face delivery Online delivery Full-time, part-time and accelerated options available.	Study Options – International students	Face to Face delivery Online delivery Full-time, part-time and accelerated options available.
Start Dates	February, June and September. For specific dates visit the website .	Course Length	Full-time: 2 years Part-time: 4 years
Payment Options - Domestic Australian students	Upfront payment This means tuition fees will be invoiced each semester and payment is required on or before the due date. FEE-HELP FEE-HELP is Australian Government’s loan scheme for higher education degree courses. It can assist you in paying for all, or part of, your course fees. Repayments commence via the tax system once your income rises above a minimum threshold. Just like with any other debt, a FEE-HELP debt is a real debt that impacts your credit rating.	Payment Options – International students	Upfront payment This means tuition fees will be invoiced each semester and payment is required on or before the due date.
Course study requirements	Each subject involves 10 hours of study per week, comprising 3 hours of facilitated study and 7 hours self-directed study.	Assessment	Case study analyses, group assignments, presentations, quizzes, reports and reflective essays.
Locations	TUA Campuses – Adelaide, Brisbane, Sydney and Melbourne Online	Delivered by	Torrens University Australia
Provider	Torrens University Australia Ltd is registered as a self-accrediting Australian university by the Tertiary Education Quality and Standards Agency (TEQSA).	CRICOS Course Code	098257J
Provider obligations	Torrens University is responsible for all aspects of the student experience, including the quality of course delivery, in	Accrediting body	Torrens University Australia Limited ABN 99 154 937 005,

	compliance with the Higher Education Standards 2015		CRICOS Provider Code: 03389E. RTO No. 41343
Course Fees	For details, refer to the website .	Any other fees	For details, refer to the website .

2. Essential requirements for admission

The general admission criteria that apply to Torrens University Australia courses can be located by visiting the Torrens University Australia website - <https://www.torrens.edu.au/general-admission-information-for-torrens-university-australia-ltd>.

3. Admission Criteria

Title of course of study	Master of Business Information Systems
Applicants with higher education study	Undergraduate degree from Australian university or equivalent
Applicants with vocational education and training (VET) study	N/A
Applicants with work and life experience	Applicants without formal qualifications are eligible to apply if they have seven (7) years of professional, administrative or managerial work experience. Applications will be assessed on a case by case basis.
English Language Proficiency (applicable to international students, and in addition to academic or special entry requirements noted above)	IELTS 6.5 with no band less than 6.0
Applicants with recent secondary education (within the past two years) with ATAR or equivalent* (for applicants who will be selected wholly or partly on the basis of ATAR)	N/A

4. How to apply

Via direct application to the institution

- <https://apply.torrens.edu.au/>

5. Advanced standing/academic credit/recognition of prior learning (RPL)

You may be entitled to credit for prior learning, whether formal or informal. Formal learning can include previous study in higher education, vocational education, or adult and community education. Informal learning can include on the job learning or various kinds of work and life experience. Credit can reduce the amount of study needed to complete a degree.

Applicants admitted based on prior higher education study may be eligible for Advanced Standing in the form of credit and/or recognition of prior learning (RPL) under the Torrens University Australia [Credit Policy](https://www.torrens.edu.au/policies-and-forms) - (<https://www.torrens.edu.au/policies-and-forms>).

- Students with completed subjects may be eligible for specified credit and/or elective exemptions
- Students who have completed a qualification at AQF level 5 (diploma) or above may be eligible for block credit (where a block credit agreement exists)
- Students with a mix of formal study and informal and/or non-formal learning may be eligible for recognition of prior learning in addition to any credit approved.

Credit will not be applied automatically. Applicants must apply for credit and/or RPL as early as possible prior to each study period, with applications not accepted after week 2.

For further information about credit and recognition of prior learning please see <http://www.torrens.edu.au/apply-online/course-credits>.

6. Where to get further information

- Torrens University Australia (TUA) Website
 - <https://www.torrens.edu.au/>
- Universities Admissions Centre (UAC) Website
 - <http://www.uac.edu.au/>
- Quality Indicators for Learning and Teaching (QILT) Website
 - <https://www.qilt.edu.au/>

7. Additional Information

Course Structure

The MBIS course structure comprises 16 subjects (160 credit points). The course of study is made up of:

- Core subjects: There are 12 core subjects (120 credit points) found within the Master award
- Elective subjects: There are four electives (40 credit points)

Course Rules

To qualify for the award of Master of Business Information Systems, the candidate must satisfactorily complete a course of study comprising 12 core subjects (120 credit points) and 4 elective subjects (40 credit points). A combined total of 160 credit points is required.

Electives can be taken from the approved table below or any postgraduate subjects (AQF 8 and/or AQF 9) with prior approval from the Program Director.

Subjects

SUBJECT DETAILS
SUBJECT CODE, SUBJECT TITLE, DESCRIPTOR
<p>PROJ6000 Principles of Project Management</p> <p>The process of creation, from conception through distribution, is complicated and requires a diverse set of management skills. Students in this course are introduced to the knowledge, tools, and techniques needed to manage projects (including IT projects) successfully throughout a project life cycle, and to the language used by practitioners in conjunction with the terminology recognised by the Project Management Institute (PMI). Students explore the project management knowledge areas and process groups of the Project Management Body of Knowledge (PMBOK) guide. Students also examine the ways these two dimensions of project management interact in initiating (scoping), planning, executing (launching), monitoring and controlling, and closing a project.</p>
<p>MIS500 Foundations of Information Systems</p> <p>This subject introduces students to the key concepts and technologies of information systems that drive change and support organisations to achieve strategic goals. This includes data and information management, application of business information systems, disruptive technologies and issues such as ethics, privacy and cyber security. This subject will prepare students to better understand the technologies that are disrupting and transforming society both now and into the future.</p>
<p>MIS501 Principles of Programming</p> <p>This subject introduces students to programming as a tool for developing systems and addressing business needs. Students will learn Unified Modelling Language (UML) and Integrated Development Environment (IDE) to design, create, compile, test and run programs, applying object-oriented concepts to construct classes and methods to solve organisational problems. This subject will be tailored to student's levels of expertise and expose students to an object-oriented programming language(s). Furthermore, it will equip students with the skills to assess and apply requirements in business environments.</p>
<p>MIS602 Data Modelling and Database Design</p> <p>Students will learn the importance of data to an organisation and the problems inherent in creating, storing, and managing that data. This subject will explore relational database design and modelling and students will learn how to handle data anomalies and the process of data integration. During this unit you will explore an organisation's need for a data warehouse, learn about data visualisation and evaluate dashboard designs to view data. Students will examine the need for distributed data in today's business environment.</p>
<p>MIS603 Microservices Architecture</p>

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SUBJECT CODE, SUBJECT TITLE, DESCRIPTOR
<p>This subject introduces students to microservices architecture within the context of cloud computing models. The emergence of these techniques of building applications is directly related to innovations in the areas of cloud computing and platforms. In this subject, the focus will be on the evolution from more traditional approaches to microservices architecture. Core concepts related to the principles and practices of microservices will be reviewed.</p>
<p>MIS604 Requirements Engineering</p> <p>Requirements management is a method of defining, using, modelling, documenting, maintaining, and measuring requirements throughout the software process. This helps developers explore requirements management and how it supports systems engineering and software engineering life cycles. Develop techniques for eliciting requirements and identifying good requirements. Represent requirements graphically by utilising powerful unified modelling language (UML) diagramming techniques. Develop skills to effectively manage requirements changes and techniques for measuring requirement quality through quantitative metrics.</p>
<p>MIS605 Systems Analysis and Design</p> <p>This subject introduces students to activities, techniques, and methodologies a systems analyst uses to design information systems that, when built, enhance the organisation's ability to meet its business goals via available technology. These include define requirements for system, model high-level behaviours of system, and design blueprint, that is, planning and implementation and will move through object-oriented approaches to analysis and design, the transformation of user requirements to system design. User empathy is promoted in this subject, using the unified modelling language (UML).</p>
<p>MIS611 Information Systems Capstone</p> <p>This subject provides students with an authentic learning experience that allows them to draw on the knowledge and skills they have developed throughout their course. They will actively contribute to a project team to deliver a business solution for a client. This subject includes a work integrated learning experience in which the knowledge and skills from the course will be applied and assessed in a real or simulated workplace context, where feedback from industry and/or community is integral to the experience. Students will undertake and be assessed on structured agile activities that allow them to learn, apply and demonstrate their professional practice, and be involved in authentic engagement with partner organisations.</p>
<p>MIS607 Cybersecurity</p> <p>Information is a vital organisational asset. Information systems store, process and exchange information, and most economic sectors are dependent on electronic and automated systems. Interconnectivity is important for many organisations, but this also increases the exposure to adverse events, necessitating the need for thorough information security management. This subject builds upon fundamental information security concepts, including the management of information systems that affect organisational information security: identity management, authentication, access control, monitoring, risk management, incident response and disaster recovery. Since cybersecurity is everyone's responsibility, having the basic knowledge to prevent attacks, mitigate risk, and get up to speed with best practice cyber governance is an essential ingredient to succeed in today's digital world.</p>
<p>MIS608 Agile Project Management</p> <p>Progressing from traditional project management frameworks this subject focuses on Agile project management, agile project management methodology, the principles of agile, and agile techniques. This subject will be based on a foundation of the 4 core values and 12 guiding principles of agile as laid out by the agile manifesto. Students will develop an understanding of agile concepts, tools and techniques: Scrum and Kanban, Roadmap planning, Program increments, Sprints and daily scrums and the agile roles within teams. Some of the leading agile frameworks will be discussed so that students have an understanding of some of the different philosophies, which support the agile continuous delivery pipeline. Points of origin in Lean practice and the relationship between agile and DevOps will also be covered to help students orient themselves in the broader emerging landscape of projects and software development landscape.</p>

SUBJECT DETAILS
SUBJECT CODE, SUBJECT TITLE, DESCRIPTOR
<p>MIS609 Data Management and Analytics</p> <p>This subject teaches students techniques and best practices in collecting, storing, cleaning, manipulating, analysing, extracting, and visualising useful information from large, structured, semi-structured, or unstructured data sets, which are critical for organisational decisions. Students will also learn applications of big data management and analytics across industry sectors such as segmentation and prediction, churn prediction, recommender systems and targeted marketing, sentiment analysis, operational analytics, and ethical considerations.</p>
<p>MIS610 Advanced Professional Practice</p> <p>This subject is the culminating and integrating experience for the MBIS and ready students for graduation. Modules will include ethics, professional practice, legalities and compliance such as GDPR and governance. A final case-study project enables students to demonstrate their ability to think strategically and apply the concepts and tools learned in the subject to an organisation.</p>

Locations

The Master of Business Information Systems can be studied fully online or at the below Torrens University Campuses:

- Queensland (Brisbane)
- New South Wales (Sydney)
- Victoria (Melbourne)
- South Australia (Adelaide)

Campus Facilities and Services

All campuses are designed to provide students with professional spaces in which to learn and work. They have been planned with student study needs in mind with well-equipped accessible learning spaces as well as student breakout areas for group work and spending time with friends.

Facilities and Services include:

- The Customer Service Hub – our friendly and experienced staff can give help and advice about courses, your enrolment and campus life, including all services and activities on campus.
- Counsellors are available for students to consult with on a range of personal issues
- Student wireless access throughout the Campus
- Student break-out and relaxed study spaces for group work
- Student lounge areas – most with microwaves, kitchenette facilities and vending machines
- The Learning Hub, home to the Learning Support Team, encompasses Learning Skills Advisors, Learning Technology Advisors, and Library & Learning Skills Officers. It provides an integrated, holistic support program for students throughout the study lifecycle within a library/collaborative study environment.

The service includes:

- Support and workshops with highly qualified staff in the areas of Academic skills, Library skills, and Technology skills, both on campus and online.
- Physical and digital resources relevant to studies, such as books, journals, multimedia, databases
- Self-check kiosks for library loans and print and copy facilities

A positive student experience

Torrens University Australia values the importance of a positive student experience, and therefore has robust processes to resolve student complaints. The Student Complaints Policy, and associated procedures, can be accessed from the [website](https://www.torrens.edu.au/policies-and-forms) (https://www.torrens.edu.au/policies-and-forms).

Paying for your qualification

We offer two payment options for this course:

- **Upfront payment**

If you want to complete your qualification debt-free you can choose to pay as you go. This means tuition fees will be invoiced each semester and payment is required on or before the due date using EFTPOS, credit card or direct transfer.

- **FEE-HELP**

FEE-HELP is Australian Government's loan scheme for higher education degree courses. It can assist you in paying for all, or part of, your course fees. Repayments commence via the tax system once your income rises above a minimum threshold (\$45, 881 in 2019-20). Just like with any other debt, a FEE-HELP debt is a real debt that impacts your credit rating.

Further information about FEE-HELP, including eligibility, is available at:

- FEE-HELP website:
<http://studyassist.gov.au/sites/studyassist/help-payingmyfees/fee-help/pages/fee-help->
- FEE-HELP booklets:
<http://studyassist.gov.au/sites/studyassist/helpfulresources/pages/publications>

Austudy and Abstudy

Students enrolled in this course may be eligible for government assistance, such as [Austudy](#) or [Abstudy](#).