

Master of *DATA ANALYTICS*

COURSE OVERVIEW

Big data and analytics are impacting every organisation, from technology start-ups to multinational companies. The Master of Data Analytics (MDA) at MIT teaches you the skills to analyse massive amounts of structured and unstructured data to provide insights and help meet specific business needs and goals.

You will learn the science and technology of transforming data into knowledge from units such as Artificial Intelligence (AI), Data Science, Big Data Analytics and Visualisation, and through Elective units like IoT (Internet of Things) or Cloud Networks. A final year Industry-based Capstone Project provides you with a Work-Integrated Learning (WIL) opportunity that gives you real-world experience and enhances your job prospects.

As a Data Analyst or Data Scientist, your skill set will be relevant and in-demand, opening up a myriad of job opportunities in industries like banking and finance, media and communications, health, education, information technology, engineering, agriculture, and mining.

LEARN FROM EXPERTS

MIT's School of IT & Engineering attracts some of the best minds in the Data Analytics, Engineering and Networking field with strong connections to industry.

Professor Paul Kwan is a Data Science and Machine Learning expert whose research for various organisation has helped them obtain external grant funding. He has also published more than 120 peer-reviewed articles in data analytics and AI. The Head of School, IT & Engineering - Professor Johnson Agbinya, is a published author in Data Analytics and various other topics, whilst Associate Professor Tony Jan is an expert in Artificial Intelligence and Cyber Security.

INDUSTRY PROJECT

As part of Master of Data Analytics degree, you will need to undertake the final year Data Analytics Capstone Project Unit.

MIT's School of IT & Engineering has designed this unit to provide you with the real world experience, working on a project for an industry client. They will provide you with a capstone final year project in a team environment including research, analysis and development. You will tackle real world complex problems with technical and creative skills.

OPPORTUNITIES

As a graduate of the MDA, you will have knowledge and skills for employment in data analytics in industries such as banking and finance, media and communications, health, education, information technology, engineering, agriculture, and mining. Your knowledge, skills, and competencies in data science and analytics are expected to be highly sought after by organisations around the world. This aligns with the Jobs of Tomorrow 2020 Report by World Economic Forum.

According to the report (World Economic Forum, 2020, p.21), AI Specialist, Data Scientist, Data Engineer, Big Data Developer, Data Analyst, Analytics Specialist, Data Consultants, Insight Analyst, Business Intelligence Developer and Analytics Consultants are the top 10 most emerging jobs of 2020 and beyond.

MIT's Master of Data Analytics will equip you with the required skills to apply for jobs in any of the above rôles.

ref:

World Economic Forum. (2020, January). Jobs of Tomorrow: Mapping Opportunity in the New Economy. <https://www.weforum.org/reports/jobs-of-tomorrow-mapping-opportunity-in-the-new-economy>



MELBOURNE
INSTITUTE OF TECHNOLOGY

Master of *DATA ANALYTICS*

CRICOS COURSE CODE

102711J (NAT), 102710K (NSW)

LEVEL OF COURSE

Master

AUSTRALIAN QUALIFICATION FRAMEWORK (AQF) RECOGNITION

The award conferred upon completion is recognised in the AQF at Level 9.

ENTRY REQUIREMENTS

For admission into the cognate stream:

An Australian Bachelor degree or equivalent in an Information and Communications Technology (ICT) discipline such as Computer Science, Computer Engineering, Information Technology and Software Engineering.

INTAKE

March, July, November

DURATION

FT - 2 Years (4 Trimesters)

APPROVAL STATUS:

The course is approved by TEQSA under the Higher Education Standards Framework.

For admission into the non-cognate stream:

An Australian Bachelor degree or equivalent in a non-ICT discipline. (The course coordinator may approve transfer from the non-cognate to the cognate stream based on evidence provided for recognition of prior learning in Information Technology.)

STUDY MODE

On Campus

CAMPUS LOCATION

Melbourne, Sydney

TUITION FEES:

International Students: AUD \$22,660 p.a.

ENGLISH LANGUAGE REQUIREMENT

IELTS (Academic) overall score 6.0 (no band less than 6.0) or equivalent.

PROFESSIONAL ACCREDITATION AND MEMBERSHIP

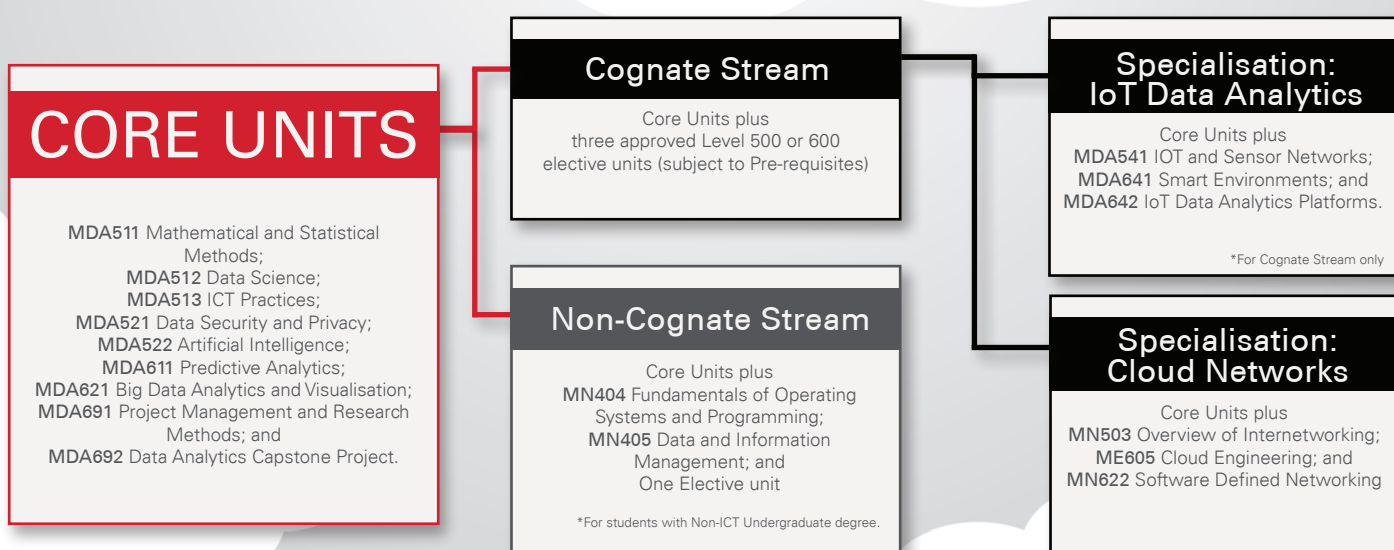
The Master of Data Analytics is a new course. It is not currently accredited by the Australian Computer Society (ACS). MIT intends to apply to the ACS for professional accreditation of the course.

COURSE DETAILS & SPECIALISATIONS

Each unit consists of 20 credit points. A full time study load is 60 credit points per trimester. MDA comprises of nine core units and three electives in Cognate stream. Non-Cognate stream students must do two additional core units and can access one elective unit.

Cognate students can choose to specialise in IoT Data Analytics or Cloud Networks by completing the set of approved units for the respective specialisations. (see above.)

SAMPLE COURSE PLAN - MASTER OF DATA ANALYTICS



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