
ICMS
INTERNATIONAL COLLEGE OF MANAGEMENT
SYDNEY
Bachelor of Information Technology
(BIG DATA AND ANALYTICS)
Network with our network.
We Mentor. ICMS
100%
of our degree students graduate with industry experience

DEGREE STRUCTURE

In addition to facilitated theoretical subjects, experiential learning is a foundation of this course. As such it is designed to provide learners with practical work experience which is undertaken over two subjects (and two study periods) WIL201A and WIL301A. This equates to a minimum of 600 hours of industry experience and 180 hours of self-study.

Note: One study period is equivalent to one trimester of study (1 orientation week and 13 weeks of subject delivery and assessment). There are normally a minimum of two weeks holidays after each study period. The accredited full-time study load is 3 years.

SAMPLE STUDY PATTERN

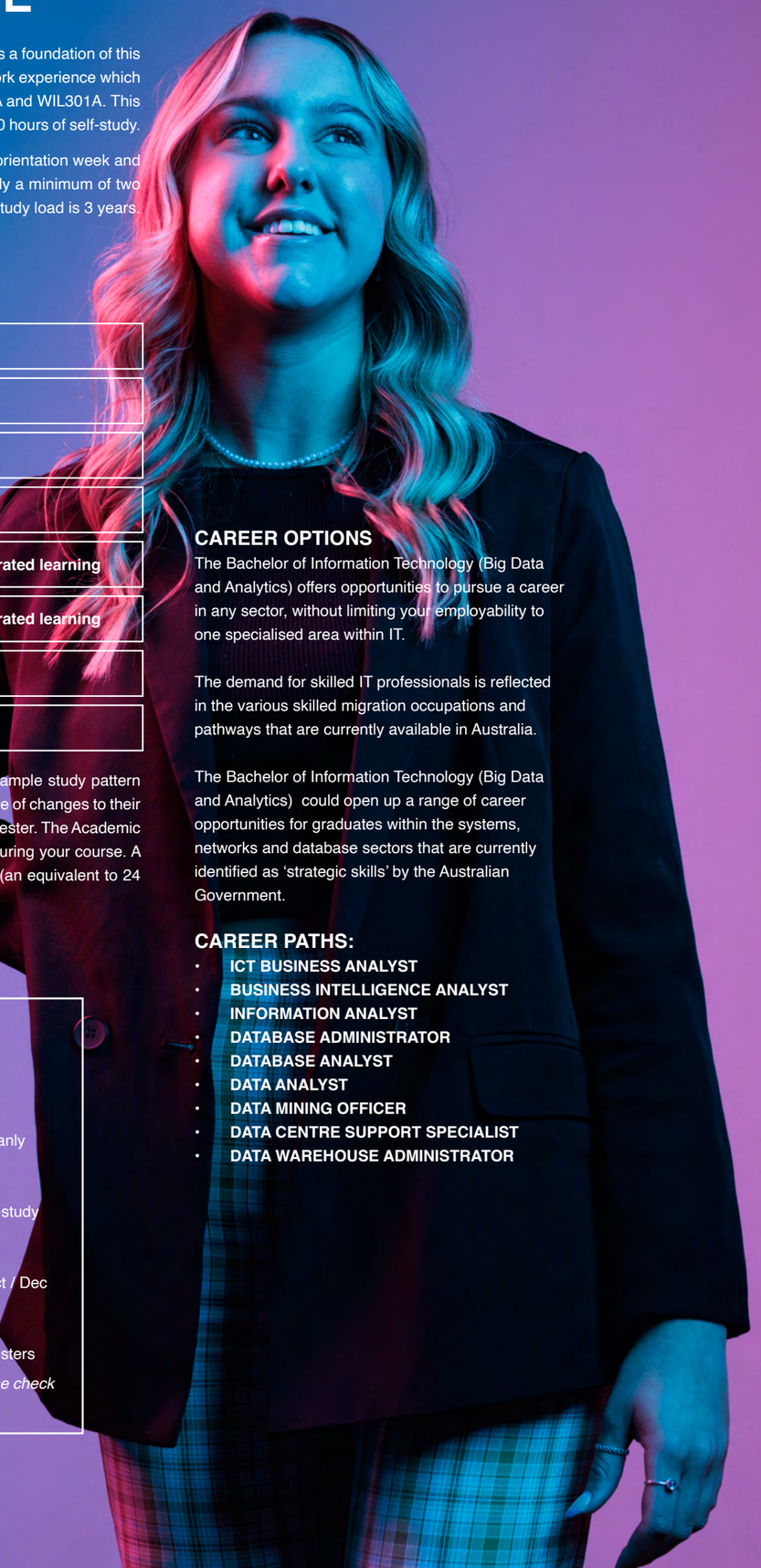
1ST YEAR	TRIMESTER 1 (13 WEEKS) - 4 subjects taken
	TRIMESTER 2 (13 WEEKS) - 4 subjects taken
	TRIMESTER 3 (13 WEEKS) - 4 subjects taken
2ND YEAR	TRIMESTER 4 (13 WEEKS) - 4 subjects taken
	TRIMESTER 5 (13 WEEKS - 300 hours) - work integrated learning
	TRIMESTER 6 (13 WEEKS - 300 hours) - work integrated learning
3RD YEAR	TRIMESTER 7 (13 WEEKS) - 4 subjects taken
	TRIMESTER 8 (13 WEEKS) - 4 subjects taken

Note: The course information in this brochure is indicative of a sample study pattern only and is subject to change. Enrolled students will be made aware of changes to their course structure or subjects. Not all subjects are offered every trimester. The Academic Consulting Office can assist you with subject selection and structuring your course. A typical full-time study load is between 6 and 8 subjects per year (an equivalent to 24 credit points).

QUICK FACTS

CRICOS Course Code:	115068B
Accreditation Status:	Active
AQF Level:	7
Campus:	Northern Beaches Campus, Manly City Campus, Sydney*
WIL:	Minimum of 600 hours industry experience + 180 hours of self-study
FEE-Help:	Yes (domestic students only)
Study Mode:	On-campus
Start:	Feb / Mar / May / Jul / Aug / Oct / Dec
Course Duration:	Full-time study load: 3 years Part-time study load: 6 years Accelerated study load: 8 trimesters

**Selected subjects and qualifications are offered online. Please check the website for more information.*



CAREER OPTIONS

The Bachelor of Information Technology (Big Data and Analytics) offers opportunities to pursue a career in any sector, without limiting your employability to one specialised area within IT.

The demand for skilled IT professionals is reflected in the various skilled migration occupations and pathways that are currently available in Australia.

The Bachelor of Information Technology (Big Data and Analytics) could open up a range of career opportunities for graduates within the systems, networks and database sectors that are currently identified as 'strategic skills' by the Australian Government.

CAREER PATHS:

- **ICT BUSINESS ANALYST**
- **BUSINESS INTELLIGENCE ANALYST**
- **INFORMATION ANALYST**
- **DATABASE ADMINISTRATOR**
- **DATABASE ANALYST**
- **DATA ANALYST**
- **DATA MINING OFFICER**
- **DATA CENTRE SUPPORT SPECIALIST**
- **DATA WAREHOUSE ADMINISTRATOR**

BACHELOR OF INFORMATION TECHNOLOGY (BIG DATA AND ANALYTICS)

BIG CAREER IN IT

The ICMS Bachelor of Information Technology (Big Data and Analytics) is an innovative undergraduate degree meeting the industry's growing demand for experts in Big Data, Analytics and Intelligence.

The accelerating digitisation of business is reshaping every sector of the economy. With globalisation, automation, and artificial intelligence (AI) on the rise, organisations worldwide are bracing for a surge in opportunities alongside inevitable threats. A nimble, adept workforce is needed to confront these emerging challenges.

These rapid transformations present a plethora of new avenues for graduates showcasing digital fluency and competency, highly sought-after skills both in Australia and across the globe. Graduates can help organisations make informed decisions, gain a competitive advantage, improve efficiency, enhance the customer experience, and manage risks effectively in today's data-driven world.

There has never been a better time to begin a career in the exciting and dynamic Information Technology (IT) sector.

DEGREE STRUCTURE

The ICMS Bachelor of Information Technology (Big Data and Analytics) offers:

- 26-subjects in total
- 12 core IT subjects
- 8 specified elective subjects
- 4 elective subjects
- 2 Work Integrated Learning (WIL) subjects.

Tailored to equip students with essential skills, graduates specialise in Business Data Analytics, Applied Data Mining, Computational Thinking and Algorithms, Big Data Systems, Data Visualisation and Storytelling, Web and Text Analytics, AI and Machine Learning, and Data Governance. Focused on practical application and industry relevance, this program empowers graduates to harness the power of data, drive innovation, and make informed decisions in the rapidly evolving digital landscape.

Additionally, the degree emphasises professional development through project management studies and real-world experience gained via professional placements, ensuring graduates are well-equipped to become leaders in the dynamic field of Big Data and Analytics.

NETWORK WITH OUR NETWORK

ICMS has an impressive network of Industry Partners in technology and business. This means that our ICMS graduates gain more than just a degree during their time studying with us.

Built into the Bachelor of Information Technology (Big Data and Analytics) qualification are two Work Integrated Learning (WIL) subjects, competed over two trimesters, in which students complete a Professional Placement. This is also sometimes called an 'Internship'.

In the study period prior to the first WIL subject, our team of consultants work to secure a suitable placement that is the best fit for our student's unique skills, interests and professional goals.

That means that ICMS graduates have work experience on their CV; a network of contacts; and the confidence to jump straight into their chosen career.

COURSE LEARNING OUTCOMES

Upon successful completion of the Bachelor of Information Technology (Big Data and Analytics) graduates will able to:

- Demonstrate broad and coherent knowledge of the data analytics discipline across a spectrum of core domains and their associated people, processes and technology aspects.
- Apply in-depth knowledge and capabilities from an area of the data analytics discipline to design and implement innovative data driven solutions by exercising industry standards, best practices, tools, and techniques.
- Work collaboratively and productively with others from diverse backgrounds in a range of IT and data analytics contexts, exhibiting adaptability, autonomy and employing emotional and social intelligence.
- Identify and critically evaluate business needs and apply data science specialist knowledge to propose innovative data-driven solutions for real-world problems.
- Develop and demonstrate data intelligence, analytical thinking and digital fluency in the contemporary digital landscape in accordance with best practices.
- Engage ethically with specialist and non-specialist stakeholders exhibiting professionalism, integrity, and cultural competence in practice in line with broader social responsibilities and civic issues pertaining to the data analytics field.
- Exert the principles and practices of self-management exhibiting accountability for own learning and development within broad parameters of the data analytics workforce.
- Reflect upon own learning experiences and apply lifelong learning skills in planning for ongoing professional development as a data analytics practitioner and learner.

ICMS

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NORTHERN BEACHES CAMPUS
151 Darley Road, Manly NSW 2095,
Australia
T +61 2 9977 0333

CITY CAMPUS
Level 4, 451 Pitt Street, Haymarket, NSW
2000, Australia
T +61 2 9160 8841

Tollfree 1800 110 490 (within Australia)

F +61 2 9977 0555
E info@icms.edu.au
W icms.edu.au

International College of Management, Sydney Pty Ltd ACN 003 144 045 ATF The ICTHM Trust ABN 54 174 259 919, trading as International College of Management, Sydney and Aspire Institute, CRICOS Provider Code: 01484M, RTO Code: 90851, TEQSA ID: PRV12025 CRICOS Course Code: 115068B Provider category: Institute of Higher Education.

MORE INFORMATION FOUND AT ICMS.EDU.AU

Admission Criteria:
future-students/application-information/admission-information
Application Information:
/future-students/application-information/how-apply
Important Dates:
/future-students/application-information/important-dates
Fees:
/future-students/application-information/tuition-fees
Accommodation:
/future-students/student-services/accommodation
Student Support and Wellness:
/future-students/student-services/wellness-support
Living Costs:
/study-in-Australia/
Campuses:
/contact/our-campuses/
Policies and Procedures:
https://policies.icms.edu.au
Information on Education Services for Overseas Student (ESOS)
Framework:
https://dese.gov.au/esos-framework
Resources for Australian students
Youth allowance and AUStudy: www.humanservices.gov.au

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