

ICMS



Bachelor of Information Technology **(CYBER SECURITY)**

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:	115069A
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

Upon completion of the Bachelor of Information Technology (Cyber Security) qualification, students will have an opportunity to pursue a wide range of career options.

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

The Bachelor of Information Technology (Cyber Security) 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:

- **CYBER SECURITY ANALYST**
- **CYBER THREAT ANALYST**
- **CYBER SECURITY AND VULNERABILITY ACCESSOR**
- **PENETRATION TESTER**
- **NETWORKING AND SECURITY OFFICER**
- **MALWARE ANALYST**
- **INCIDENT RESPONDER**
- **FORENSIC COMPUTER ANALYST**

BACHELOR OF INFORMATION TECHNOLOGY (CYBER SECURITY)

GUARDING DIGITAL FRONTIERS

The ICMS Bachelor of Information Technology (Cyber Security) is an innovative undergraduate degree meeting the industry's growing demand for guardians of the digital realm.

The accelerating digitisation of business is reshaping every sector of the economy. With globalisation, automation, artificial intelligence (AI) and the Internet of Things (IoT) 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 an abundance of new challenges and opportunities for graduates skilled in cybercrime prevention and digital security, highly sought-after capabilities both in Australia and globally.

Organisations are seeking graduates who can safeguard digital infrastructures by analysing cyber threats, implementing security measures, conducting forensic investigations, and fortifying systems against potential breaches, ensuring the resilience and integrity of information networks.

There has never been a better time to begin a career in the exciting and dynamic field of Cyber Security.

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.

Designed to equip students with essential skills, graduates specialise in cybercrime and behaviour analysis, network security implementation, database and cloud security protocols, SecOps management strategies, cyber security governance frameworks, digital forensics investigation techniques, and penetration testing methodologies.

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 skilled in the important Cyber Security sector.

NETWORK WITH OUR NETWORK

ICMS have 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 (Cyber Security) qualification are two Work Integrated Learning (WIL) subjects, completed 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 (Cyber Security) graduates will able to:

- Demonstrate broad and coherent knowledge of the IT discipline in the cyber security domain and its associated people, process, and technology aspects.
- Apply in-depth knowledge and capabilities in the field of cyber security to design and implement secure IT solutions by exercising industry standards, best practices, tools, and techniques.
- Work collaboratively and productively with others from diverse backgrounds in a range of cyber security contexts exhibiting adaptability and autonomy and employing emotional and social intelligence.
- Critically analyse business needs, identify and evaluate requirements for secure solution design, and apply specialist knowledge to propose contemporary and innovative cyber security solutions for real-world problems.
- Develop and demonstrate cyber literacy and competence in the contemporary information security 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 cyber security field of operations.
- 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



**ICMS
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MANAGEMENT, SYDNEY**

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Provider Code: 01484M, RTO Code: 90851, TEQSA ID:
PRV12025 CRICOS Course Code: 115069A
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

Disclaimer: Information in this publication is correct at the time of printing, but may be subject to change. The College reserves the right to change the content, withdraw any subject or program of study, or to impose limitations on enrolment in any subject or program of study. Published March 2024.

