



Australian
Data and Cyber
Institute



SPECIALISING IN DATA SCIENCE AND CYBER SECURITY



Our Vision for Digital Excellence



Rohini Modgill
Chief Executive Officer

The digital economy is transforming industries at an unprecedented pace. From cyber resilience to data-driven decision-making, organisations across the globe are seeking highly skilled professionals who can lead with confidence and capability. At the Australian Data and Cyber Institute (ADCI), we are committed to developing that next generation of digital talent.

Choosing a higher education pathway is both a personal milestone and a strategic investment. Our mission is to deliver industry-aligned programs in Cyber Security and Data Science that combine technical depth with practical application. We equip students with the expertise, critical thinking, and professional mindset required to succeed in an increasingly complex and technology-driven world.

Our programs are designed in close alignment with industry standards and workforce demand, ensuring that graduates are prepared to contribute from day one. Employability is central to our academic model - through applied learning, industry engagement, and a strong focus on professional readiness.

Located in Perth, Western Australia, ADCI fosters a diverse and multicultural learning community that welcomes students from across the globe. We believe that global perspectives strengthen innovation, collaboration, and leadership in the digital era.

Guided by excellence, integrity, and innovation, we remain focused on preparing graduates who are not only qualified - but future-ready.

We look forward to supporting you as you pursue digital excellence.



About ADCI

The Australian Data and Cyber Institute (ADCI) is a specialised higher education provider dedicated to high-demand digital disciplines. With an exclusive focus on Cyber Security and Data Science, we deliver programs that are precise, industry-relevant, and aligned with the evolving needs of the global workforce.

As digital transformation reshapes industries worldwide, the demand for professionals who can secure infrastructure, interpret complex data, and drive technology-enabled innovation continues to grow. ADCI degrees are designed in direct response to this demand - combining technical depth, applied learning, and professional capability to ensure graduates are prepared to contribute from day one.

Our academic model emphasises practical experience, critical thinking, and career readiness. Curriculum is structured in alignment with industry standards and workforce expectations, ensuring that learning translates into real-world impact.

Located in Perth, Western Australia, ADCI provides a focused and professional learning environment within a vibrant, multicultural city. Students benefit from small cohort learning, personalised support, and meaningful industry engagement throughout their studies. ADCI students also benefit from professional alignment with the Australian Computer Society (ACS), supporting early exposure to industry networks and career development pathways.

At ADCI, we are committed to developing graduates who are not only technically capable, but confident, adaptable, and future-ready.

Leadership and Governance



**Professor Emeritus
Andrew Taggart
Chair, ADCI**

Professor Emeritus Andrew Taggart was Acting Vice-Chancellor at Murdoch University (2014-2016) and Provost (2016-2018). As Vice-Chancellor he successfully led Murdoch at a time of leadership instability and financial challenge and enabled a smooth transition to a new Vice-Chancellor. As Provost he was responsible for eight academic schools and led the Directorates of Advancement, People and Culture, and Strategy, Planning and Performance.

Dr John C Wood, BEcon(Hons) UWA, D.Phil(Oxon) has held senior positions in Universities and the Public and Private Sectors. He was the Deputy Vice-Chancellor (Research, Advancement, International, Students) at Edith Cowan University, Hughes Professor of Business at Notre Dame, CEO of University Partnerships at Navitas, and Speechwriter to Prime Minister Hawke. He has also served on numerous university and for-profit boards.



**Dr John C Wood
Director, ADCI**

Leadership and Governance



**Professor Emeritus
Ron Oliver
Chair, Academic Board**

Ron Oliver retired as DVC (Teaching and Learning) at Edith Cown University in 2017 and was appointed Emeritus Professor of ECU in 2018. He was the Foundation Professor of Multimedia at ECU. As a teacher, he won several Vice-Chancellor awards for teaching excellence and the Australian Award for University Teaching in 1997. In 2006 he was named an Australian Learning and Teaching Fellow. His academic research explored understanding and improving student learning and he was an early pioneer in the use of learning technologies. He is an author of over 200 refereed papers. He was a member of the ECU Executive Team, Chair of the ECU Academic Board and member of the ECU Council. He has been Chair of the Board of Navitas Universities Partnerships Australasia and a member of the TEQSA External Panel of Experts since 2012.

Dr Anna Griffin is a specialist in teaching, learning and curriculum design in higher education. She holds a PhD in Cyber Security Education, with research focused on program-level curriculum transformation and industry-aligned graduate employability. With more than two decades of experience as a teacher, school leader and academic across two Western Australian Universities, she is recognised for her expertise in assessment, educational quality and evidence-informed pedagogy. Anna is committed to excellence in education and to design innovative, rigorous learning experiences that prepare students for success in complex and rapidly evolving digital fields.



**Dr Anna Griffin
Academic Principal, ADCI**



Bachelor of Cyber Security

Program Overview

Cyber security is one of the fastest-growing and most critical fields in today's digital economy. As cyber threats increase in complexity and scale, organisations across government, finance, healthcare, defence, and technology sectors require highly skilled professionals to safeguard digital infrastructure.

The Bachelor of Cyber Security at ADCI is designed to equip students with the technical expertise and strategic mindset required to defend, detect, and respond to modern cyber risks.

Duration: 3 Years (Full-Time)

Intakes: February | July

Delivery Mode: On-campus, Perth

What will you learn?

The program combines technical depth with applied learning across key security domains:



Network Security

Designing and securing enterprise networks against evolving threats.



Ethical Hacking & Penetration Testing

Identifying vulnerabilities through controlled attack simulation and threat analysis.



Cloud & Infrastructure Security

Protecting cloud-based systems and distributed digital environments.



Digital Forensics

Investigating cyber incidents and analysing digital evidence.



Risk Management & Governance

Understanding regulatory frameworks, compliance, and organisational security strategy.



The Australian Computer Society (ACS) is a professional association for the ICT (Information and Communications Technology) sector in Australia.

All ADCI students are eligible for free membership of the Australian Computer Society.

Course Learning Outcomes

The Bachelor of Cyber Security includes the following Course Learning Outcomes (CLOs) embedded into the Units of study.

CLO 1	Design and analyse robust systems that incorporate security best practices throughout the entire model
CLO 2	Use research skills to critically evaluate existing cyber security knowledge and practices to explore contemporary and future ICT landscapes for vulnerabilities and cyber threats
CLO 3	Apply creative thinking to core ICT concepts
CLO 4	Communicate ICT concepts to technical and non-technical audiences
CLO 5	Function effectively and work collaboratively as an ICT team member
CLO 6	Apply ethical principles to the security and handling of data and information
CLO 7	Apply independent analysis of cyber security problems to develop optimal solutions to solve problems relating to cyber threats
CLO 8	Identify issues impacting the wider information technology landscape to architect cyber security solutions to these issues
CLO 9	Continue learning and maintain currency of knowledge as the field of computing continues to develop and innovate
CLO 10	Apply organisational and business knowledge to applications within the field of ICT
CLO 11	Apply organisational and business knowledge to applications within the field of ICT
CLO 12	Demonstrate understanding of the SFIA Foundation Skills Framework for the Information Age at Level 4

Units of Study

Unit code	Unit	Credit Points	EFTSL
CSC101	Introduction to Programming	6	0.125
CSC102	Introduction to Computers, Networking and Cloud Computing	6	0.125
DNA101	Fundamentals of Data Science	6	0.125
MAT101	Introduction to Mathematics	6	0.125
SEC101	Human Factors: Security and Privacy	6	0.125
DNA102	Introduction to Database Systems	6	0.125
ARI101	Introduction to Artificial Intelligence	6	0.125
SEC102	Information Risk and Security	6	0.125

Unit code	Unit	Credit Points	EFTSL
CSC203	Data Structures and Algorithms	6	0.125
CYB201	Network Security	6	0.125
CYB202	Data Encryption	6	0.125
CYB203	Security System Design	6	0.125
CSC204	Access Control and Authentication	6	0.125
CYB204	Ethical Hacking	6	0.125
CYB205	Cyber Forensics	6	0.125
ORG202	Data, Law and Ethics	6	0.125

Unit code	Unit	Credit Points	EFTSL
CYB306	Security and Privacy Implications of the Internet of Things	6	0.125
CYB307	Reverse Engineering	6	0.125
CAP301	Industry Capstone 1	6	0.125
ORG303	Digital Innovation	6	0.125
CAP302	Industry Capstone 2	6	0.125
ORG304	Professional Case Study	6	0.125
CYB308	Incident Response and Disaster Management	6	0.125
SEC303	Security Auditing and Compliance	6	0.125

Career Opportunities

As digital systems become central to government, finance, healthcare, defence, and enterprise operations, the need for skilled cyber security professionals continues to grow worldwide. Organisations require experts who can identify vulnerabilities, manage risk, and defend critical infrastructure against evolving threats.

The Bachelor of Cyber Security prepares graduates to enter a high-demand field where technical precision, analytical capability, and strategic awareness are essential.

Potential Career Pathways

Graduates may pursue roles such as:

- Cyber Security Analyst
- Cyber Security Engineer
- Penetration Tester
- Security Operations Centre (SOC) Analyst
- Information Security Consultant
- Cyber Risk & Compliance Specialist
- Cloud Security Engineer
- Threat Intelligence Analyst
- Security Architect (with experience)

These roles span operational, technical, and strategic functions across public and private sectors.

DATA SCIENCE



Bachelor of Data Science

Program Overview

Data has become one of the most valuable assets in the modern economy. Organisations rely on data-driven insights to optimise performance, innovate products, and guide strategic decisions.

The Bachelor of Data Science at ADCI prepares students to transform complex data into meaningful intelligence. The program combines programming, statistical analysis, machine learning, and business application to develop versatile digital professionals.

Duration: 3 Years (Full-Time)

Intakes: February | July

Delivery Mode: On-campus, Perth

Study Mode: Face-to-face and

Work-Integrated Learning (Internship)

CRICOS: 112599K

Course ID: CRS1401303

What will you learn?

Students build expertise across key analytical domains:



Python & R Programming

Foundational tools for data modelling and statistical analysis.



Machine Learning

Developing predictive models and intelligent systems.



Data Visualisation

Communicating insights through impactful dashboards and reports.



Artificial Intelligence Foundations

Understanding AI principles and applied analytics.



Big Data Analytics

Managing and analysing large-scale datasets.



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All ADCI students are eligible for free membership of the Australian Computer Society.

Course Learning Outcomes

The Bachelor of Data Science includes the following Course Learning Outcomes (CLOs) embedded into the Units of study.

CLO 1	Design and utilise relevant programming techniques to create and use databases
CLO 2	Think critically to conceptualise, structure and interpret big data problems
CLO 3	Apply creative thinking to core Information and Communication Technology (ICT) concepts and principles
CLO 4	Communicate ICT concepts to both technical and non-technical audiences
CLO 5	Work collaboratively and effectively in the field of ICT
CLO 6	Apply ethical principles to the handling of data and information securely
CLO 7	Analyse, report and manage data, metadata and derived information using appropriate storage, access, analysis, reporting and administrative tools
CLO 8	Demonstrate proficiency in the use of data collection techniques, including quantitative modelling, and data visualisation methods for various types of data in a range of fields
CLO 9	Continue to develop skills and maintain a currency of knowledge as the field of ICT continues to develop and innovate
CLO 10	Apply organisational and business knowledge to applications within the field of ICT
CLO 11	Evaluate security risks associated with data storage, access and manipulation
CLO 12	Demonstrate understanding of the SFIA Foundation Skills Framework for the Information Age

Units of Study

Unit code	Unit	Credit Points	EFTSL
CSC101	Introduction to Programming	6	0.125
CSC102	Introduction to Computers, Networking and Cloud Computing	6	0.125
DNA101	Fundamentals of Data Science	6	0.125
MAT101	Introduction to Mathematics	6	0.125
SEC101	Human Factors: Security and Privacy	6	0.125
DNA102	Introduction to Database Systems	6	0.125
ARI101	Introduction to Artificial Intelligence	6	0.125
SEC102	Information Risk and Security	6	0.125

Unit code	Unit	Credit Points	EFTSL
CSC203	Data Structures and Algorithms	6	0.125
ARI202	Machine Learning	6	0.125
DNA203	Big Data Infrastructure and Architecture	6	0.125
MAT202	Statistical Computing	6	0.125
MAT203	Graph Theory	6	0.125
DNA204	Data Analytics	6	0.125
ORG201	Data Governance	6	0.125
ORG202	Data, Law and Ethics	6	0.125

Unit code	Unit	Credit Points	EFTSL
CSC305	Distributed Computing	6	0.125
ARI303	Intelligent Bot Services	6	0.125
CAP301	Industry Capstone 1	6	0.125
ORG303	Digital Innovation	6	0.125
CAP302	Industry Capstone 2	6	0.125
ORG304	Professional Case Study	6	0.125
CYB306	Security and Privacy Implications of the Internet of Things	6	0.125
DNA305	Data Visualisation	6	0.125

Career Opportunities

In today's digital economy, data drives innovation, strategy, and competitive advantage. Organisations across finance, healthcare, government, technology, retail, and consulting rely on skilled professionals to transform complex datasets into meaningful, actionable insight.

The Bachelor of Data Science prepares graduates to enter a high-growth field where analytical expertise, technical capability, and strategic thinking are in strong demand. As artificial intelligence, automation, and predictive analytics continue to reshape industries, data professionals play a critical role in guiding informed decision-making. Graduates are equipped not only to secure their first role, but to build long-term careers in an increasingly data-driven world.

Potential Career Pathways

Graduates may pursue roles such as:

- Data Analyst
- Business Intelligence Developer
- Data Quality Officer
- Data Security Officer
- Statistician
- Data Scientist
- Data Engineer (with experience)
- Data Architect (with experience)
- Machine Learning Engineer (with experience)
- Analytics Consultant

These roles offer diverse career trajectories - from technical modelling and engineering to strategic analytics and consulting.

Entry Requirements

Academic Requirement

Successful completion of Year 12 or equivalent qualification.

English Language Requirement

IELTS (International English Language Testing System)

- Minimum overall score of 6.0, with no individual band score less than 6.0.

PTE Academic (Pearson Test of English)

- Minimum overall score of 50-57
- 47 for listening
- 48 for reading
- 51 for writing
- 54 for speaking

TOEFL (Test of English as a Foreign Language)

- Minimum overall score of 64 (Internet-Based), and a minimum score of 17 in each section.
- 550 (Paper-based) with Test of Written English no less than 5.

Cambridge C1 Advanced Test (C1 Advanced)

- 163 for listening
- 163 for reading
- 170 for writing
- 179 for speaking

***Competent English approved tests and scores taken on or after 7 August 2025**

Recognition of Prior Learning (RPL)

Applicants with relevant academic or professional experience may be considered.

TUITION FEES

International Students

Total Tuition Fee	25% Scholarship (July 2026 intake)
AUD 75,600	AUD 56,700

Year	Tuition fee per year	Tuition Fee per year with 25% Scholarship	Tuition Fee per semester with 25% Scholarship
Year 1	AUD 25,200	AUD 18,900	AUD 9,450
Year 2	AUD 25,200	AUD 18,900	AUD 9,450
Year 3	AUD 25,200	AUD 18,900	AUD 9,450

Please note: This fee structure is valid for the following courses:

Bachelor of Data Science

Bachelor of Cyber Security

FAQs

Can I apply directly with the college?

Yes, you can apply directly via the ADCI website or through an education agent

Do I need prior coding or technical experience to enrol?

No, you do not need any prior coding or technical experience.

I am not a mathematics expert; can I still succeed in this program?

Yes, we just need you to have a basic understanding of Mathematics.

Does the course include practical or hands-on learning?

Yes, the course is industry aligned, with capstone projects and hands on learning.

Can I receive credit transfer or recognition of prior learning (RPL)?

Yes, you need to apply for credit transfer, and our Academic team will assist you with the process.

Path to Graduation

The Bachelor of [Cyber Security / Data Science] is conferred upon successful completion of 24 units (144 credit points) in accordance with the approved program structure.

Students must satisfy all prerequisite requirements as specified in individual unit outlines to progress through the course.

The degree is delivered across three academic years (full-time equivalent), progressing from foundational knowledge to advanced specialised study.

Full-time students typically complete four units per semester in line with the recommended course sequence.

Final-year units and applied projects integrate technical knowledge with real-world problem solving, supporting career readiness.



Steps to APPLY



Start Your Application

Applications may be submitted online through the ADCI website or via an authorised education agent.

[ADCI Website - www.adci.edu.au](http://www.adci.edu.au)



Prepare Your Documents

While applying, you will be required to provide the following documents:

Passport

Academic Record

English Proficiency Test Result



Share your documents and our Admissions Team will contact you

While applying, you will be required to provide the following documents:

Passport

Academic Record

English Proficiency Test Result

After You Apply

- Once the Admission Team confirms your eligibility, you will receive the offer letter
- For Offshore students, submit the GS form and declaration, along with supporting documents.
- Pay the initial deposit.
- Receive your COE and Lodge the Visa (for offshore students)
- Attend your Orientation at Australian Data and Cyber institute.

Contact Us



Website: www.adci.edu.au

Email:

Admissions Team: admissions@adci.edu.au

Marketing: marketing@adci.edu.au

Student Support: support@adci.edu.au

Compliance: compliance@adci.edu.au

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