



Welcome to UQ

Orientation Semester 2, 2025

Master of Cyber Security

Graduate Diploma in Cyber Security

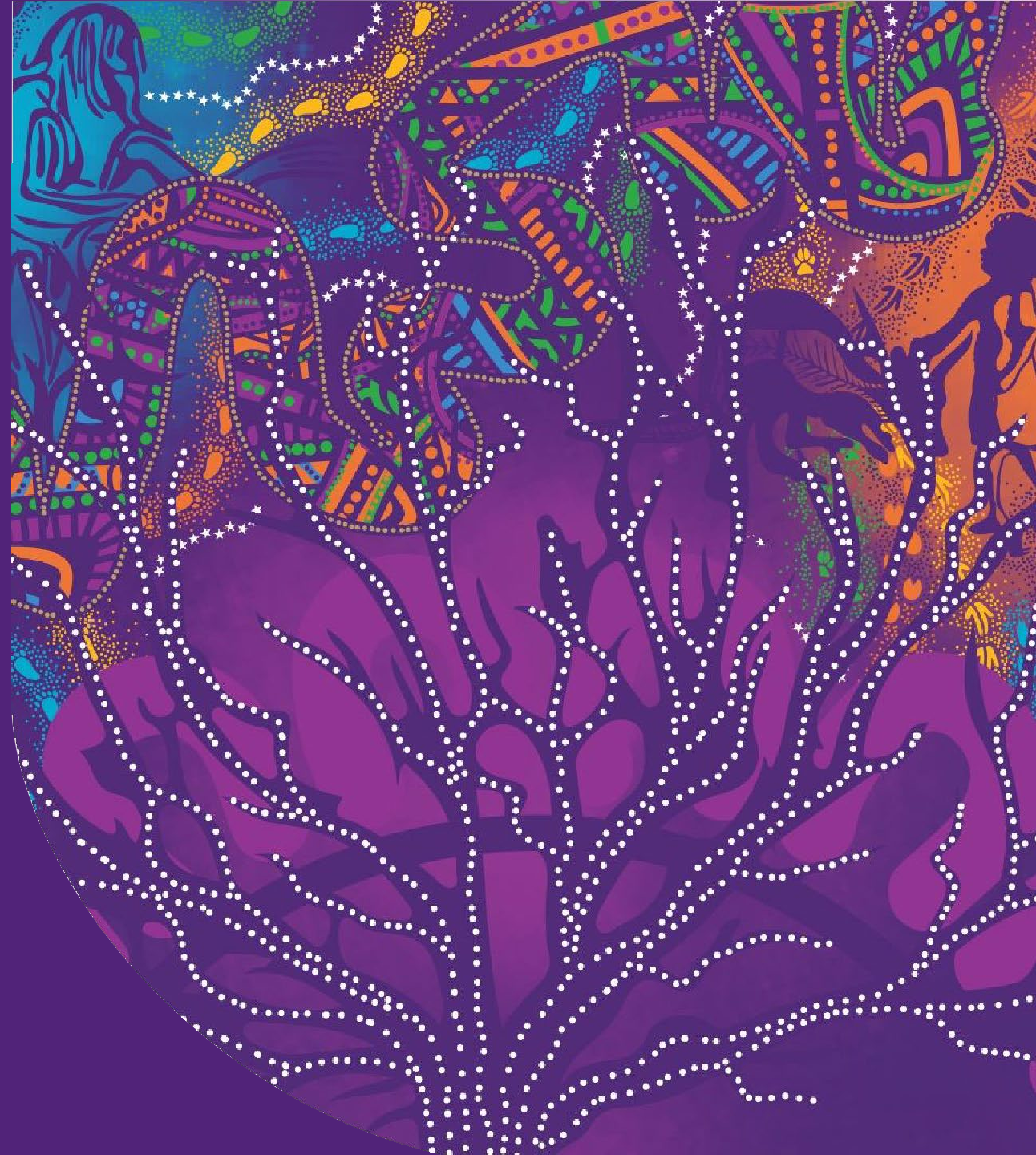
Graduate Certificate in Cyber Security

Acknowledgment of Country

The University of Queensland (UQ) acknowledges the Traditional Owners and their custodianship of the lands on which we meet.

We pay our respects to their Ancestors and their descendants, who continue cultural and spiritual connections to Country.

We recognise their valuable contributions to Australian and global society.



Plan For Today's Session

Duration	Activity
12:00pm - 12:15pm	Welcome & Introductions
12:15pm - 12:30pm	Program Information
12:30pm - 12:45pm	Q&A
12:45pm - 1:00pm	Icebreaker activity
1:00pm - 2:00pm	Expo & lunch @ UQ Centre

Icebreaker (15 minutes)

Break into small groups – 3 or 4 people each

Take a few minutes to consider these questions (in the context of your new study journey)

- What are you excited about?
- What are your fears or doubts?
- What support can you give yourself?
- What support do you need from others (friends/family/students/university)?

Share your answers in your group

As you listen, reflect on how it feels to hear your classmates sharing



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Master / Grad Cert Cyber Security

Program information

Diversity in Cyber Security

Cyber Defence	Leadership	Cyber Criminology	Cryptography
Cyber Security careers			
Information Security Architect	Chief Information Security Officers (CISO)	Cyber Crime and Privacy Policy Advisor	Signals Intelligence Officer
Cyber Security Analyst	Chief Executive Officer (CEO)	Cyber Crime Investigator	Malware Analysts
Cyber Security Consultant	Executive Board and Director Positions	Government Policy Advisor	Cryptographic Systems Engineer
Penetration Tester	Information Security Manager	Anti-money Laundering Investigator	Financial and Payment Systems Engineer
Information Security Specialist	Entrepreneurship in Cyber Security	Dark Web Intelligence Expert	Defence Intelligence Officer
Security Systems Administrator	Managerial Positions in IT and Cyber Security		Applied Cryptographer

Diversity of Thought

- Diverse backgrounds – not just Computer Science or IT
- Broad spectrum of deep-discipline interest (fields of study)
- Reflection of working life –working together in multi-disciplinary teams to tackle cyber security challenges

Classroom & Practical learning

- Lectures – leading academics and industry professionals
- Small Group Tutorials
- On-campus delivery
- Capstone project – facilitated industry placements or academic research-orientated project
- Co-curricular opportunities – e.g. UQ Cyber Squad

Student Societies – UQ Cyber Squad



UQ Cyber Squad – UQ’s elite student cyber security competition squad focused on online, domestic and international cyber competitions (e.g. Cyber 9/12, DEFCON CTF). As well as competing and taking out prizes at the top international level, the squad also runs regular training sessions for all of its members – from beginners to experts – to teach skills, build capability and pass on knowledge.

World-Class Facilities

Industry 4.0 UQ Energy TestLab

- State-of-the-art hardware and software facilities for cyber-physical system security with representative critical infrastructure scenarios and datasets for cyber security research and testing
- Cyber security test facilities include programmable logic controllers (PLCs), human machine interfaces, historians, rugged switches, and firewalls from Siemens, Schneider, and Rockwell



Capstones – A pathway for your career

- Industry placement or research oriented
- Completed over 2 semesters:
 - CYBR7901 – 1 day per week (proposal)
 - CYBR7902 – 3 days per week (build)
- Stipends/financial assistance may be available (industry placement)
- **IMPORTANT:** Capstone must be taken during your final two semesters of study





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Meet the Team

Your lecturers

Interdisciplinary Core and Graduate Certificate



Dr Priyanka Singh

CYBR7001

Fundamentals of
Cyber Security



Dr Naipeng
Dong

CYBR7002

Information Security
Essentials



Dr Jonah Rimer



Dr David Mount

CRIM7080

Cyber Criminology & Global
Security



Dr Bikesh Raj
Upreti



Prof John Swinson

CYBR7003

Cyber Security Governance,
Policy, Ethics & Law

Your lecturers

Cyber Defence



Prof Ryan Ko



Assoc. Prof Dan
Kim



Assoc. Prof
Barbara Maenhaut



Assoc. Prof Guangdong Bai
(MCyberSec Convenor)



Dr Priyanka Singh



Assoc. Prof Mark Utting



Dr Mahsa
Baktashmotlagh



Dr Naipeng Dong



Assoc. Prof John
Williams



Assoc. Prof Marius Portman

Your lecturers

Leadership



Dr Ivano Bongiovanni
(Convenor)



Dr Micheal Axelsen



Assoc. Prof Tyler Okimoto



Dr Richard O'Quinn



Dr Vicky Comino



Prof John Swinson



Mr Anthony Austin

Your lecturers

Cyber Criminology



Dr Jonah Rimer
(Convenor)



Dr David Mount



Prof Adrian Cherney



Assoc. Prof Suzanna Fay



Dr Emma Antrobus



Assoc. Prof Renee Zahnow

Your lecturers

Cryptography



Professor Benjamin
Burton (Convenor)



Assoc. Prof Barbara
Maenhaut



Dr Ross McVinish



Professor Darryn Bryant



Dr Poh Hillock

Administrative Support



School of EECS Coursework Studies Team

Level 4, Building 78 (General Purpose South)
studentenquiries@itee.uq.edu.au



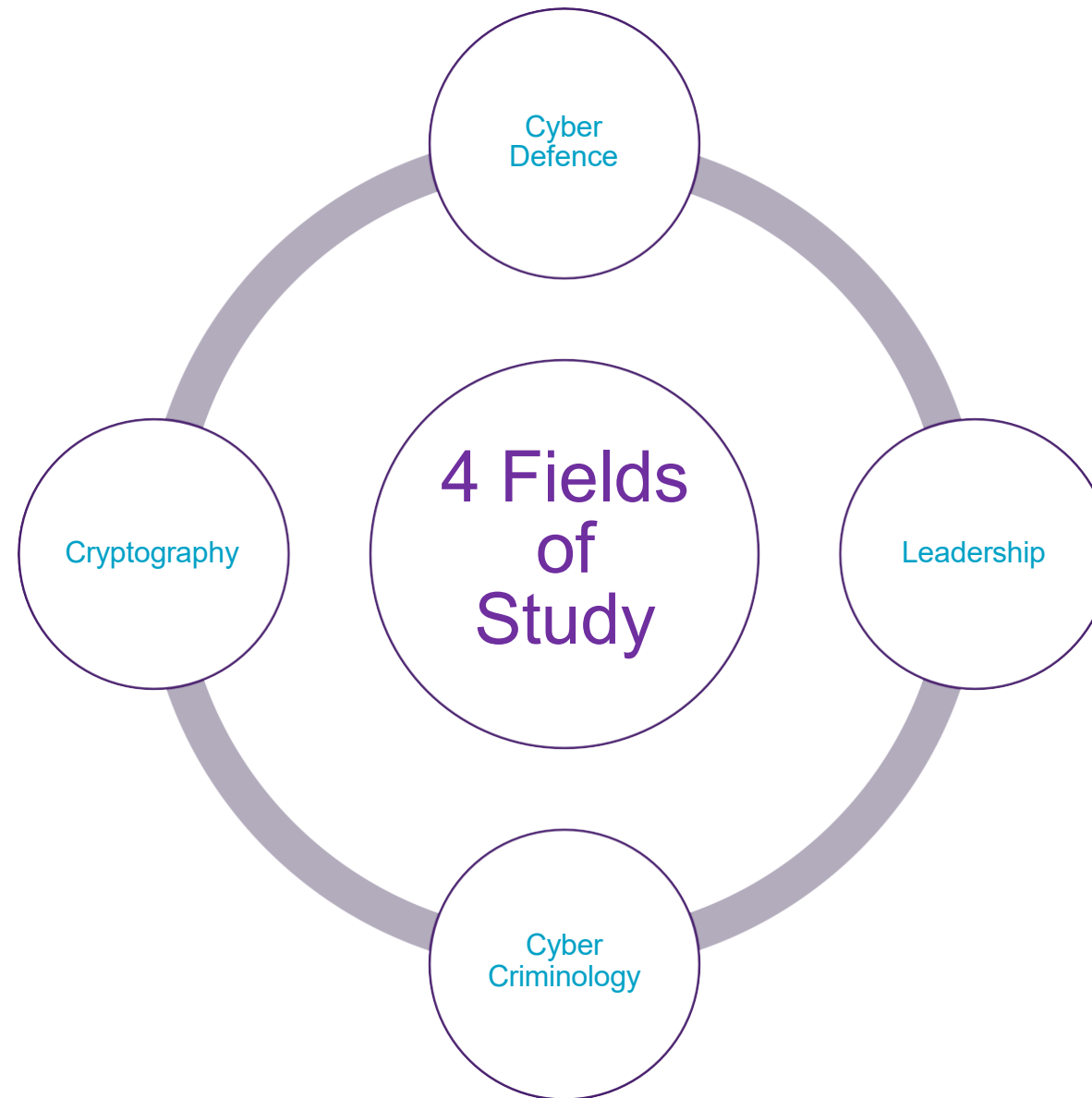
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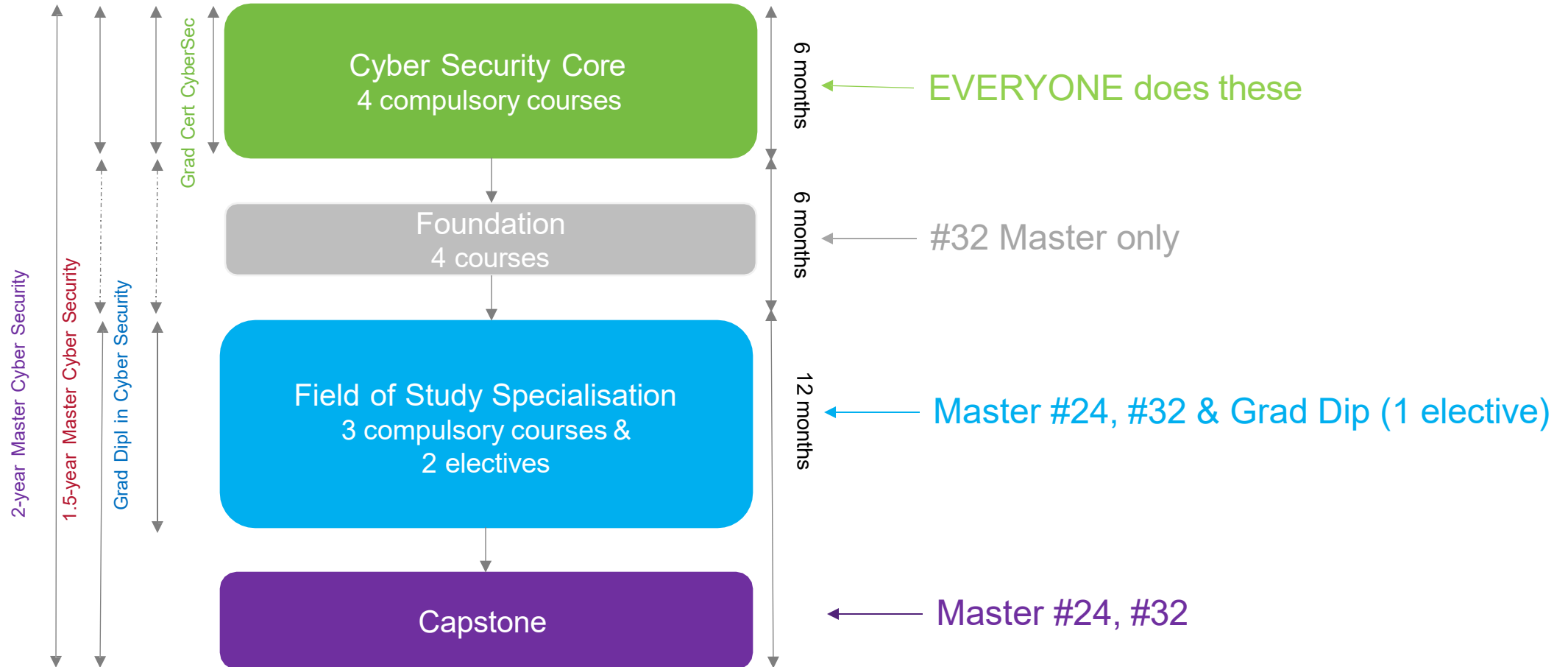
Your Cyber Security Program

Postgraduate Cyber Security Suite

- Graduate Certificate = 8 units (4 courses) – no specialisation
- Graduate Diploma = 16 units (8 courses) - in a chosen field of study
- Masters = 24 or 32 units, in a field of study, including capstone



Program Overview



Sample Study Plan : Cyber Defence #32

Sem 1 (Feb)	CYBR7001 Fundamentals of Cyber Security (2 units)	INFS7901 Database Principles (2 units)	CSSE7030 Introduction to Software Engineering (2 units)	MATH7861 Discrete Mathematics (2 units)
Sem 2 (July)	CYBR7002 Information Security Essentials (2 units)	CYBR7003 Cyber Security Governance, Policy, Ethics & Law (2 units)	CSSE7231 Computer Systems Principles and Programming (2 units)	CRIM7080 Cyber Criminology & Global Security (2 units)
Sem 1 (Feb)	COMP3320 Vulnerability Assessment & Penetration Testing (2 units)	COMP7710 AI for Cyber Security (2 units)	Elective	CYBR7901 Capstone Project 1 (2 units)
Sem 2 (July)	COMP7711 Cyber Incident Response (2 units)	Elective	CYBR7902 Capstone Project 2 (4 units)	

Visit our Academic Advice Page for more study plans and useful resources:
<https://eecs.uq.edu.au/current-students/academic-advice/master-cyber-security>

Remember

- Not all courses are offered in every semester
- Be careful about course pre-requisites
- Pay special attention if you are part time
- **International students must maintain full-time status**
 - There are potentially serious visa/migration consequences

MAKE A STUDY PLAN

Plan now for graduation eligibility in the semester you plan to finish

Book an academic advising session if you are unsure

Responsibilities

- **We** are responsible for helping you understand your study plan, giving you academic advice and teaching you
- **You** are responsible for:
 - Enrolment & choosing electives
 - Understanding your study plan and timetable
 - Regularly checking course information on Learn.UQ (also called BlackBoard)
 - Following the Program Rules
 - Attendance, Assignments and Assessments
 - Academic Integrity

Attend lectures and tutorials, ask questions, seek academic advice, check course pages, ...

Academic Integrity and Plagiarism

The University takes academic integrity very seriously.

You must:

- **Not** use the work of others without appropriate referencing and citation
- **Not** share code for individual assignments
- Know when group work is appropriate and not appropriate
- **Not** let others use your work or answers
- Ask your lecturer (**before** the due date) if you're not sure
- Very effective Electronic detection of plagiarism is used; and *severe penalties* apply!

Compulsory Information and Online Learning Module: <https://tinyurl.com/uqintegritymodule>

University Conduct Guidelines: <https://tinyurl.com/uqmisconduct>

School Conduct Guidelines: <https://tinyurl.com/eecsmisconduct>



Australian Government

Tertiary Education Quality and Standards Agency

CHEATING
is NEVER
the RIGHT
ANSWER

Commercial cheating services are illegal in Australia

If you use cheating services, you could:

fail your subject or course

lose your visa

lose your professional accreditation

be blackmailed by cheating service operators.

Visit teqsa.gov.au/cheating for more information



Remember: If you are having trouble with your assignments, contact your lecturer or tutor for help.

TEQSA



Australian Government

Tertiary Education Quality and Standards Agency

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ANSWER

Commercial cheating services are illegal in Australia

Illegal cheating services offer to:

sell you essays or assignments

ask you to upload previous work from your course

sell you study notes or exams

sit exams on your behalf.

Visit teqsa.gov.au/cheating for more information



Remember: If you are having trouble with your assignments, contact your lecturer or tutor for help.

TEQSA

Managing your workload

Preparation

- Read the ECP (electronic course profile) for your courses
- Carefully read the assumed knowledge clause

Study

- Make a weekly study schedule – courses are progressive
- Focus on learning outcomes

Assessment

- Ensure that you understand the assessment criteria
- Make an assessment plan
- Get familiar with UQ policy on extensions

Getting help

- The course coordinators, lectures and tutors are there to help you. Seek them out.
- Your field of study convenors: Dr Jonah Rimer (Cyber Criminology), Dr Richard O'Quinn (Leadership), Prof Benjamin Burton (Cryptography)
- Your program Academic Advisor is Assoc Prof Guangdong Bai – make an appointment via <https://www.itee.uq.edu.au/master-cyber-security-academic-advice>
- Check your student email and course information pages (Learn.UQ) often
- Academic English skills for international / NESB students
- <https://icte.uq.edu.au/study/support-uq-students/english-academic-communication>

UQ Online

- my.UQ : <https://my.uq.edu.au>
- mySI-net: <https://www.sinet.uq.edu.au>
- Library: <http://www.library.uq.edu.au>
- Campus Maps: <http://www.uq.edu.au/maps>
- Program Planner: <https://program-planner.uq.edu.au/#/start>

Online Resources

- EECS homepage: <https://www.eecs.uq.edu.au>
- Academic Advice: <https://www.eecs.uq.edu.au/master-cyber-security-academic-advice>
- Course Pages (Blackboard): <https://learn.uq.edu.au>





More questions?

Academic advising appointments via
studentenquiries@itee.uq.edu.au

07 3365 2097

Level 4 General Purpose South (Bldg 78) enquiries counter

Icebreaker re-visited

Return to your small groups – 3 or 4 people each

Re-consider the questions

- Excitement?
- Fears?
- Supports? (self and other)

What is the ***very next step*** you can take?