

UQ Cyber Security

Our Goal at UQ Cyber is to address global cyber security challenges and educate top leaders in the sector. This will be achieved through a world-leading cyber security hub, bringing together leading minds from multidisciplinary fields, with the support of state-of-the-art infrastructure.

Our Focus

UQ Cyber Security is a university-wide initiative, undertaking research, teaching and outreach from diverse fields, including technology, business, mathematics, social science and law.

Our research delves into some of the biggest challenges within cyber security - from cutting edge topics like secure quantum communication to broader governance and policy issues facing the sector.

Our inter-disciplinary teaching programs recognise that cyber security is a field requiring both deep specialist skills and experience, as well as broad strategic insight into the global cyber security landscape.

Our outreach activities convey how fervent we are in our pursuit to share knowledge and build awareness.

- We are passionate about raising our community's cybersecurity posture and have a strong track record of partnering with both public and private sectors
- We enhance capability and awareness around cybersecurity, data privacy and cyber affairs by offering workshops, presenting at conferences, and other training activities
- We work with a diverse range of groups - from high school students to government leaders across the Asia Pacific

Integrated Real-World Experience

In order to create effective leaders and professionals in the cyber security space we recognise that practical hands-on experience is essential to developing proactive problem solvers. We understand that high-level skills are required to perform for today and prepare for the future. UQ Cyber Security provides:

- Simulated cyber security challenges through access to real-world data, case studies and scenarios
- Industry expertise in the classroom through co-teaching with AusCERT, industry guest lecturers & world-renowned researchers
- Professional networking - mixed learning cohort and opportunities to network with industry professionals
- Industry based capstone projects and post-doctoral research opportunities



Engage with us

We believe that strong industry collaboration is integral to achieving our goals.

We welcome industry partners to join us to help develop a world class cyber security teaching and learning experience, along with game changing research initiatives. Key areas for industry support include;

1. Training Security Operation Centre (TSOC)

A multipurpose teaching and 'living laboratory' space. The TSOC will facilitate observation activities and provide a simulated environment to meet teaching, training and research objectives of UQ Cyber.

2. Cyber War Room

A flexible and configurable space for cyber war gaming where teams can contest a virtual environment as part of our teaching and learning experience. The war-room will provide co-location for teams as well as physical and digital observational capabilities. The space will be also support other cyber hub functions including competitions, workshops and seminars.

3. Device Testing Lab

In partnership with IT vendors, we will be able to conduct security and vulnerability assessments on a wide variety of hardware - from servers to desktops; mobile devices to IoT devices; 3D printers.

4. Scholarships

With Australia's shortfall in cyber security specialists, a scholarship is an excellent means to help to build the talent pool. UQ Industry Scholarships are an excellent means to attract our top students or provide essential support for students from a challenging socio-economic situation or diverse backgrounds.

5. Internships, Placements and Capstone Projects

Internships and workplace industry-based capstone research projects are essential elements to providing valuable real-world experience for our students. This helps to ensure our students are workforce ready.

Get in touch to discuss how you can be part of building Australia's Cyber Resilience

Partnership Benefits

- Access to world class academics and PhD talent working on cutting edge research projects
- Access to a pool of highly skilled and job-ready graduates
- Opportunity to upskill staff through our Workplace Development training and workshops
- Naming recognition across our Training Security Operation Centre
- Disclosure of vulnerabilities found from conducting vulnerability assessments

For more information Contact

W cyber.uq.edu.au

Ryan Ko

E ryan.ko@uq.edu.au

John Williams

E j.williams1@uq.edu.au



**THE UNIVERSITY
OF QUEENSLAND**
AUSTRALIA

CREATE CHANGE