



**UNSW**  
SYDNEY



## Cyber Research, Education and Training

**Focused on conducting research and actively contributing to the national defence strategy by educating and training front-line cyber defenders, as well as raising cyber awareness within government departments and corporations, to combat an increasing and persistent threat to global security.**

### Competitive advantage

- Design and development of user-centred and value-sensitive security and defence technologies
- Proactive and adversarial approaches to protecting computer systems, networks and individuals from attacks
- Experience in the evaluation and design of secure and resilient data acquisition and control systems for critical infrastructure
- Expertise in developing security and resilience for complex networks and systems
- Analysis of international and national security policy, strategy and diplomacy in response to the cyber age
- Developing novel artificial intelligence techniques for automatically discovering and preventing advanced cyber-attacks

### Impact

- Enabling the next generation of defence leaders and influencing thinking in the cyber domain

### Successful applications

- Enhanced defence capability in cyber security through the delivery of postgraduate and tailored courses delivered by leading industry professionals in collaboration with academic staff. Courses include: strategy, policy and management through to operational, tradecraft and digital forensics
- More research focus in successful applications

### Capabilities and facilities

- Five cyber laboratories including virtualised solutions, peripheral software packages, and specialised hardware
- Supervisory Control and Data Acquisition (SCADA) table
- Digital forensics laboratory
- Our key partners
  - Australian Army
  - Information Warfare Division
  - Strategic Policy and Intelligence Group
  - Capability Acquisition and Sustainment Group

### More Information

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