



**UNSW**  
CANBERRA

**CYBER**

**PROFESSIONAL EDUCATION COURSES**

**ADVANCING OUR  
CYBER\_  
CAPABILITIES**

**[UNSW.ADFA.EDU.AU/CYBER](http://UNSW.ADFA.EDU.AU/CYBER)**

**DEFENCE RESEARCH  
INSTITUTE**

# UNSW CANBERRA CYBER

UNSW Canberra Cyber is the nation's largest, world-class, interdisciplinary cybersecurity research centre. We provide cutting-edge, long-term, international thought-leadership in cybersecurity through research, education and external engagement. UNSW Canberra Cyber focuses research across various UNSW faculties to drive new paradigms in the practice of cybersecurity, and the education of the next generation of cyber security professionals and researchers. The Centre combines expertise from a range of relevant communities: political, cyber industry, defence, academic, individual and organisational users, and the media. We continue to build on close working relationships with both domestic and international industry and government bodies, including UNSW's unique half-century relationship with Defence.

UNSW Canberra Cyber offers a range of Professional Education Short Courses and tailored training packages to suit your individual or team needs.

## CYBER SECURITY CAREER PATHWAY

### LEVEL 1

Cyber Security Boot Camp

Intrusion Analysis & Response

Intro to Pen Testing

Cyber Deception

### LEVEL 2

Wireless, Mobile & IoT Security

Cyber Offence

Cyber Defence

Critical Infrastructure Cyber Security (SCADA)

Python for Cyber Security Practitioners

### LEVEL 3

Exploit Development

Advanced Exploit Development

Reverse Engineering

Code Review

### STANDALONE

Red VS Blue

CISSP

Cyber War 101



## CYBER SECURITY BOOT CAMP

*"Great introduction and basic recap of the cyber world over the past 30 years. Builds a solid foundation for future courses. There was always time to begin practical learning - and the Lecturer's attitude and patience in this regard was exemplary."*

*"Illuminating! Technically grounded delivery with real world demonstrations"*

*"Course was fantastic...not too complex in technical information...great for beginners"*

*"I have a non-technical background but the Instructor was able to demonstrate how technical solutions worked and interacted with other systems so I could understand the process and impact of exercises."*

- Defence & Industry Employees

## INTRODUCTION TO EXPLOIT DEVELOPMENT

*"Well structured, great analogies/explanations for the complex topics, examples given when needed, difficult content but great structure and pace. Lecturer was a brilliant public speaker."*

- Australian Government Employee

## PYTHON SCRIPTING FOR CYBER SECURITY PRACTITIONERS

*"Course content was very interesting and covered a large range of different topics. The exercises were sufficiently challenging without being over the top. Good balance of practical/theory. Lecturer was very knowledgeable and was always happy to help out. The course has contributed greatly to my python knowledge."*

- IT Practitioner

## CRITICAL INFRASTRUCTURE CYBER SECURITY (SCADA)

*"Made me aware of the actual limitation within these systems."*

*"Course provided a good introduction to the operational and technical aspects of ICS and SCADA networks. The overview of how to hack HMIs was particularly insightful."*

*"The quality of the teaching was excellent and practical lessons were outstanding."*

- Energy Industry Professionals

## A SAMPLE OF OUR CYBER PROFESSIONALS

### DR SILVIO CESARE

Silvio has worked in technical roles and been involved in computer security for over 20 years. This period includes time in Silicon Valley in the USA, France, and Australia. He has worked commercially in both defensive and offensive roles within engineering. Silvio has a Ph.D. from Deakin University and has published within industry and academia, gone through research commercialisation, and authored a book. He is the UNSW Canberra Cyber Education Director and is responsible for the quality of our cybersecurity programs. In his spare time, Silvio is an organizer of the annual hacker conference BSides Canberra and CSides.

### PROFESSOR GREG AUSTIN

Greg is a Professor at UNSW Canberra Cyber. He concurrently serves as a Professorial Fellow with the EastWest Institute (EWI) in New York. His most recent book, Cyber Policy in China (Wiley 2014), offers the first comprehensive analysis (military, economic and political) of China's leadership responses to the information society.

### KYLIE MCDEVITT

Kylie studied Telco Engineering at the Australian National University in the late 90s and has a Masters in Computer Networking with Charles Sturt University. She has worked primarily within Network Engineering across government and private sectors but moved into computer security in 2009. She now provides security advice for emerging technologies. In her spare time, she organises BSides Canberra, InfoSect, CSides and does her own private security research.

### EDWARD FARRELL

Ed is a penetration tester based in Sydney Australia. Having started his career as a Network Engineer, Ed joined the cybersecurity profession in 2009 where he has made numerous contributions in industry research, local security groups and regional conferences. In his day job he runs a team of cybersecurity professionals at Mercury ISS who service clients in Australia and abroad.

### BEN WHITHAM

Ben is a cyber security entrepreneur, and part-time researcher, with more than 20 years of practical experience in cyber and communications security. His last 10 years have been primarily focused on analysing log and network traffic, designing incident response architectures and building security tools. Ben is currently the Australian Chapter Lead for the HoneyNet Project.

### MATT BYRNE

Matt has a decade of experience with the computer security and software engineering disciplines. In his day job, Matt works in the field of Cyber Threat Intelligence. Matt's career has seen him work with FireEye, Verizon Enterprise Services, Lockheed Martin, Telstra, and the Australian Department of Defence. Matt has a Bachelor of Information Technology and a Masters of Science in Information Technology.

### CAMERON FORD

Cameron is the technical manager of a Red Team responsible for driving major security improvements in the Australian government. He has previously worked as a Network Intrusion Analyst and Software Developer. Cameron has degrees in Software Engineering and Physics and has always enjoyed coding. His recent interest has been exploring strongly typed programming languages to reduce bugs and improve security.

FOR FURTHER INFORMATION ON CYBER COURSES:

 [UNSW.ADFA.EDU.AU/STUDY/PROFESSIONAL-EDUCATION-COURSES/PROGRAMS](https://UNSW.ADFA.EDU.AU/STUDY/PROFESSIONAL-EDUCATION-COURSES/PROGRAMS)

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