



BACHELOR OF CYBER SECURITY

STUDY ALL THREE YEARS OF A MOST DEMANDING, FUTURISTIC AND WORLD-RECOGNIZED DEGREE AT SRI LANKA'S PIONEER IN CYBER SECURITY EDUCATION

Cyber security professionals are in high demand. Technology is pivotal to doing business in the 21st century and central to the society we live in. It is more important than ever that the data and systems providing digital services are safeguarded by ethical and skilled cyber security professionals.

The Degree

Bachelor of Cyber Security

Awarding University: Deakin University, Australia

Offered by: CICRA Campus

Duration: 3 years Full-time

Deakin Course Code: S334

Accreditation

The Bachelor of Cyber Security is professionally accredited with the Australian Computer Society (ACS).

Course overview

Deakin's Bachelor of Cyber Security will give you the skills needed to effectively and strategically respond to cyber security challenges from both a technical and organisational perspective. You will gain a solid understanding of cyber security concepts and industry practices as well as the techniques and tools available to prevent and mitigate cyber security threats. You will learn about digital forensics, watermarking techniques, encryption and digital rights management and gain the technical skills required to investigate and combat cyber-crime and cyber-terrorism.

Career opportunities

- Security Analyst
- Project manager
- Security system manager
- Cryptographer
- Business Analyst
- Consultant
- security system developer or programmer
- information security auditor
- law enforcement personnel or IT security engineer

WORK EXPERIENCE

You will have an opportunity to undertake a discipline-specific Industry-Based Learning placement as part of your course. This will provide you with the opportunity to apply and consolidate what you are learning in your course, experience workplace culture and workplace practices, explore career options and develop a professional network before you graduate. CICRA proactively will guide and support students in finding industry placements through its long-standing relationships with top corporate organizations.



Entry Criteria

GCE Advanced Level (Sri Lanka*) OR

GCE Advanced Level (UK**)

OR

Foundation Program in Computing from a reputed educational institute***

Sri Lanka	9 points (A=5, B=4, C=3, D=2, E=1)
UK	6 points (A=5, B=4, C=3, D=2, E=1)
Foundation	Candidates will be assessed individually



Why Deakin

Deakin is ranked 5 stars for world-class facilities, research and teaching, as well as employability, innovation and inclusiveness. It is one of the leading top ranked public universities in Australia.

Deakin University offers a personalised experience, enhanced by innovative digital engagement. We lead by creating opportunities to live and work in a connected, evolving world.

By studying cyber security at Deakin you'll gain sound knowledge and understanding of threats and challenges, and the concepts and practices applied in cyber security.

Why CICRA

CICRA is the pioneering information security training and consultancy provider in Sri Lanka. CICRA has produced over 800 young information security professionals during last few years through its benchmark programs such as Certified Ethical Hacker and Computer Hacking Forensic Investigator programs of EC-Council, USA.

The Executive MSc in Information Security is awarded by Asia e University, Malaysia. The CICRA academic faculty consists of combination of industry and education experts.

The new degree in cyber security would be the ideal step for young school leavers to fulfil their career dream in information security.

Program

Year 1 – Diploma in Cyber Security

- Fundamentals of Information Technology
- Database and Information Retrieval
- Introduction to Web Development
- Real World Practices for Cyber Security
- Discrete Mathematics
- Critical Thinking and Problem Solving for IT
- Introduction to Programming
- Application and Design of Virtual and Augmented Reality Systems

Year 2 – Advanced Diploma in Cyber Security

- Computer Networks
- Information Technology Professional Skills
- Cryptography
- Computer Crime and Digital Forensics
- IT Security Management
- Enterprise Network Construction
- Enterprise Network Management
- Data Structures and Algorithms
- Introduction to Work Placements (0 credit subject)

Year 3 – Final Year of the Degree

- Data Analytics for Cyber Security
- System Security
- Ethical Hacking
- Mobile Computing
- R&D in Information Technology
- Project Design
- Project Delivery
- Industry-based Learning/ Work Placement

Delivery Structure – Options

- Learn all three (3) years of the degree in Sri Lanka at CICRA Campus
- Learn first two (2) years of the degree in Sri Lanka at CICRA Campus and complete the 3rd year of study at Deakin University, Australia
- Learn first one (1) year of the degree in Sri Lanka at CICRA Campus and complete the 2nd and 3rd years of study at Deakin University, Australia

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