



CYBER ACADEMY PROSPECTUS 2021

CYBER SECURITY HANDS-ON PRACTITIONER

FOUNDATIONAL HANDS-ON TRAINING



[KORDIA.CO.NZ/CYBERACADEMY](https://kordia.co.nz/cyberacademy)

kordia[®]

WELCOME

HAERE MAI | AFIO MAI | ARIKIRI | TALITALI FIEFIA | HAELE MAI | BULA VINAKA TERVETULOA | WELKOM | SELEMAT DETANG SALAAM | BEM-VINDOS | MALIGAYANG PAGDATING CHAO MUNG | BIENVENIDOS

RAISING NEW ZEALAND'S CYBER SECURITY BASELINE

Congratulations on considering a career in cyber security. If there was ever a time to enter the cyber security field, now is that time. This year alone, we have witnessed unprecedented cyber security attacks and breaches globally and New Zealand certainly wasn't immune.

Today, as cyber threats and attacks are increasing in both frequency and sophistication, the demand for cyber security professionals is by far outpacing supply. The landscape in which businesses operate is increasingly complex. With remote working fast becoming the norm and connectivity being critical to business operations, cybercriminals are actively looking at ways to gain access to business systems in order to steal data, the word execute ransomware, and/or cause disruption to services. According to our latest research, New Zealand businesses make an attractive target, with more than half saying they have suffered a cyber-attack over the past year*.

In fact, there are 3.5 million reasons to consider cyber security – that's the estimated number of unfilled cyber security jobs worldwide according to (ISC)2. It's no wonder then why a career in cyber security is a career for life.

Whilst tertiary qualifications and professional certifications are hugely important in the personal and professional development of any individual, a lack of real-world practical experience is often a barrier to get your foot in the door.

This is where we come in, with specialist training that provides hands-on practical experience. According to the ISACA 2021 State of Cyber Security survey 74% of respondents report that practical, hands-on experience is the most important cyber security qualification. In New Zealand there is even a higher demand for this. Gartner Top Security and Risk Trends highlight "ongoing strategic shifts in the security ecosystem that aren't yet widely recognized, but are expected to have broad industry impact and significant potential for disruption".

This is why Kordia established the Cyber Academy (CA) - to play our role in the community to develop security talent in the fight against cyber threats. So, if you're someone who is motivated to unleash your learning and growth potential and want to make a real impact in raising New Zealand's cyber security baseline, you've come to the right place. If you want the satisfaction of doing something that is rewarding and to make a real difference to New Zealand, applying to the Cyber Academy could be the best career decision you ever make.

Join us and create your future.

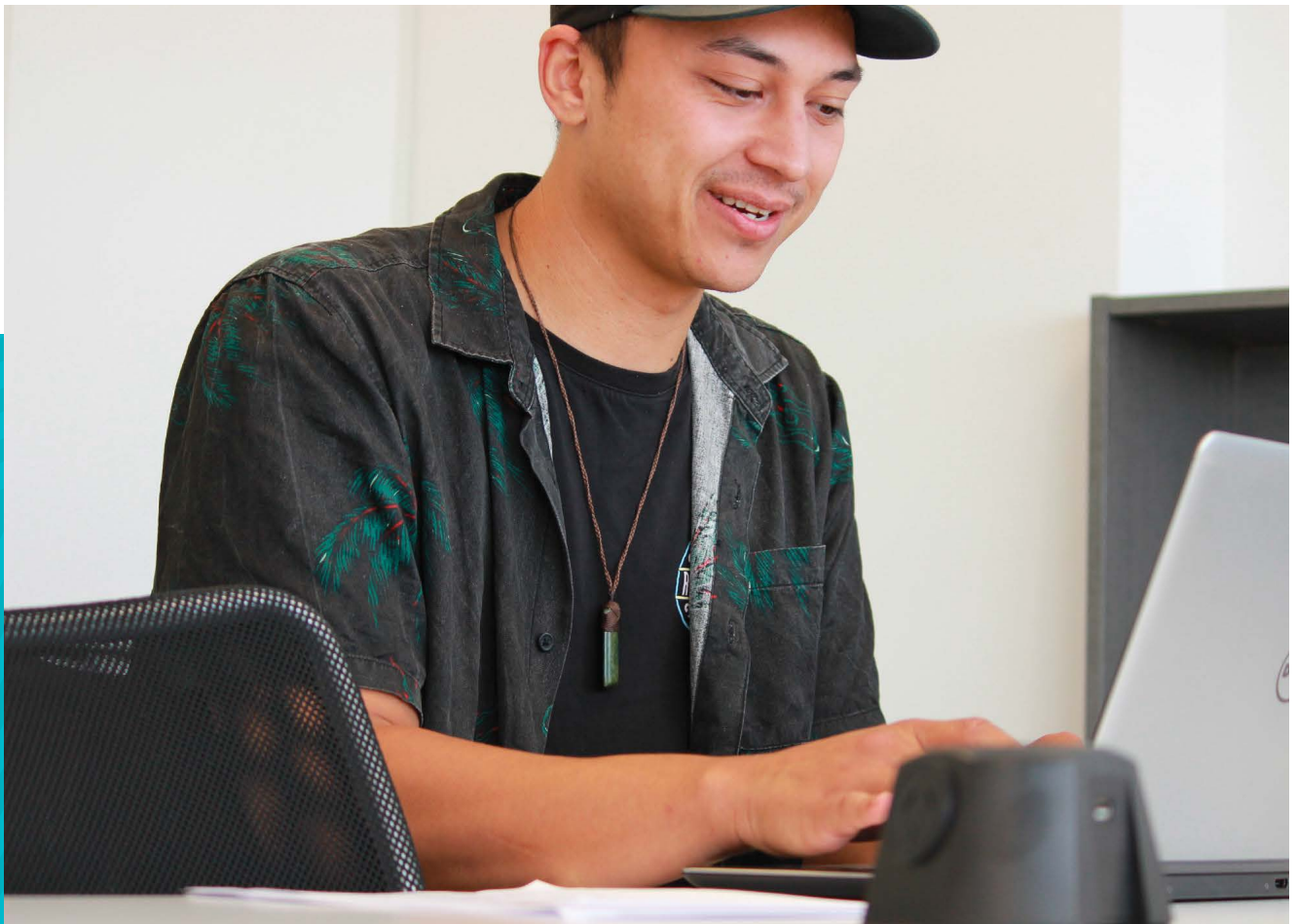


Shaun

SHAUN RENDELL
CEO, KORDIA GROUP

*Aura Information Security Market research, November 2020





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I CHOSE TO STUDY AT THE CYBER ACADEMY AFTER MEETING WITH THE AWESOME STAFF AT THE TRAINING CENTRE. MY DECISION FOR BEGINNING THE CYBER SECURITY HANDS-ON PRACTITIONER PROGRAMME WAS AN EASY ONE, KNOWING IT WOULD GIVE ME THE OPPORTUNITY TO GAIN PRACTICAL EXPERIENCE AND HELP ME KICKSTART MY CAREER IN THIS INDUSTRY.

— JOSH

A photograph of three people in a meeting. A woman in the center is looking towards the right, where a man with glasses is partially visible. Another person is on the left, seen from the back. They appear to be in a professional setting, possibly a classroom or office.

WHY CYBER ACADEMY?

CA IS KNOWN FOR ITS RELEVANCE AND QUALITY OF ITS GRADUATES



PRACTICAL AND RELEVANT CURRICULUM

CA's training is created based on the skill set demanded by employers, as opposed to more theoretical tertiary-defined criteria. Our courses are thorough, timely and most importantly, relevant.



REAL-WORLD TRAINING, DELIVERED BY EXPERTS

We enable students to work alongside real-world professionals, a Cyber Defence Operations team and offensive security team of experts who respond to and prevent actual cyber security incidents on a daily basis. This grounding and relevancy gives students unrivalled skills that will help them get ahead faster.



POTENTIAL JOB PLACEMENTS

CA has strong relationships with a number of organisations in which our students either complete placements, internships or gain employment. This pathway from study to employment is a win-win for students and organisations alike.



ALIGNED WITH LEADING TECHNOLOGY PARTNERS

Students work with a number of leading security technologies so they're ready to face real-world situations using real-world tools. Learning areas include identifying vulnerabilities, investigating, configuring and deploying solutions as well as testing and restoring.



COURSE

WHAT YOU WILL LEARN

DO YOU..

Have a keen interest in cyber security? Are you able to demonstrate a passion for IT? Have you completed or are you a current student of Computer Science/IT, Cyber Security or Developer Coding? Or are you a keen gamer? Then we want to hear from you. You will be assessed on your soft skills, aptitude to learn, acumen and foundational IT knowledge.

PROGRAMME STRUCTURE

This course is designed to build proficiency and experience across all major cyber security domains and technologies.

The course is structured as 18 hours, three days a week in-lab and possible industry placement on Thursdays and/or Fridays. The course will be conducted face-to-face in central Auckland. This provides students and employers with the opportunity to commence engagement, assisting with the transition of the student to the working world. It also provides the student insight into the corporate environment and the employer benefits from practical hands-on cyber security training.

Kordia Cyber Academy is offering places to this course as part of its social enterprise with scholarships that cover full tuition. [The value of the course is \$3,600].

ASSESSMENT CRITERIA

The assessment criteria are based upon a combination of online, written and verbal assessments with the following weightings:

- Online assessment: 37.5%
- Student report writing: 40%
- Verbal reasoning: 22.5%

65% is the minimum pass mark for the course.

THE TRAINING PROVIDES STUDENTS WITH REAL WORLD APPLICATION OF:

- | | |
|---|---|
| ▶ Asset discovery, classification and labelling | ▶ Credentials management and monitoring |
| ▶ Patch management | ▶ Privileged Access Management methods |
| ▶ Continuous vulnerability management | ▶ Authentication methods and centralised logging |
| ▶ Network segmentation and systems isolation | ▶ Business Continuity Planning and Disaster Recovery |
| ▶ Applications discovery and whitelisting | ▶ Automation of processes and effective use of AI & machine learning in security operations |



COURSE LEARNING OUTCOMES

FAMILIARISATION

Fundamental understanding of the lab layout

FRAMEWORKS

Gain awareness of the framework(s) required to build out a cyber security program

LAB HACK

Understand and learn the standard flow of penetration into a network and the impacts of poor operational processes and controls within an environment

PROTECT

- Understand the practical application of policy enforcement
- Understand the fundamentals of cloud security
- Perform real-world application
- Gain centralised visibility of internal processes within running systems
- Utilise tools and techniques to reduce the exposure of systems that cannot be patched
- Gain hands-on experience with upgrading, patching systems and mitigating system vulnerabilities
- Learn change control processes and procedures
- Data encryption
- Gain hands-on experience with endpoint and DNS security solutions
- Obtain knowledge of perimeter security
- Learn the importance of backups to protect data with hands-on experience using a backup solution

CYBER DEFENCE OPERATIONS WORK

- To be able to build the fundamental operational CDO environment

LAB HACK

- Organisational cyber security policy is established and communicated
- Real-world application of risk frameworks
- The fundamentals of ISO27001, NIST-CSF and CIS controls
- Vulnerabilities, whilst learning how to manage software and hardware assets
- Gain knowledge of current hacking methodologies

DETECT

- To understand policy enforcement breach detection methodologies
- To learn how to detect alerts in various security solutions
- Analysing events similar to a Cyber Defence Operations (CDO) environment

RESPOND

- To be able to respond to policy breaches or security incidents
- To gain an understanding of incidence response processes

RECOVER

- To understand the fundamentals of disaster recovery and business continuity
- To perform practical application of restoring data

PROTECT / DETECT / RESPOND TEAMWORK

- To perform hands-on implementation of security controls
- To learn to identify, detect and respond to unwanted or malicious security activity
- To gain hands-on experience with reporting on security findings and security posture

PEN TESTING

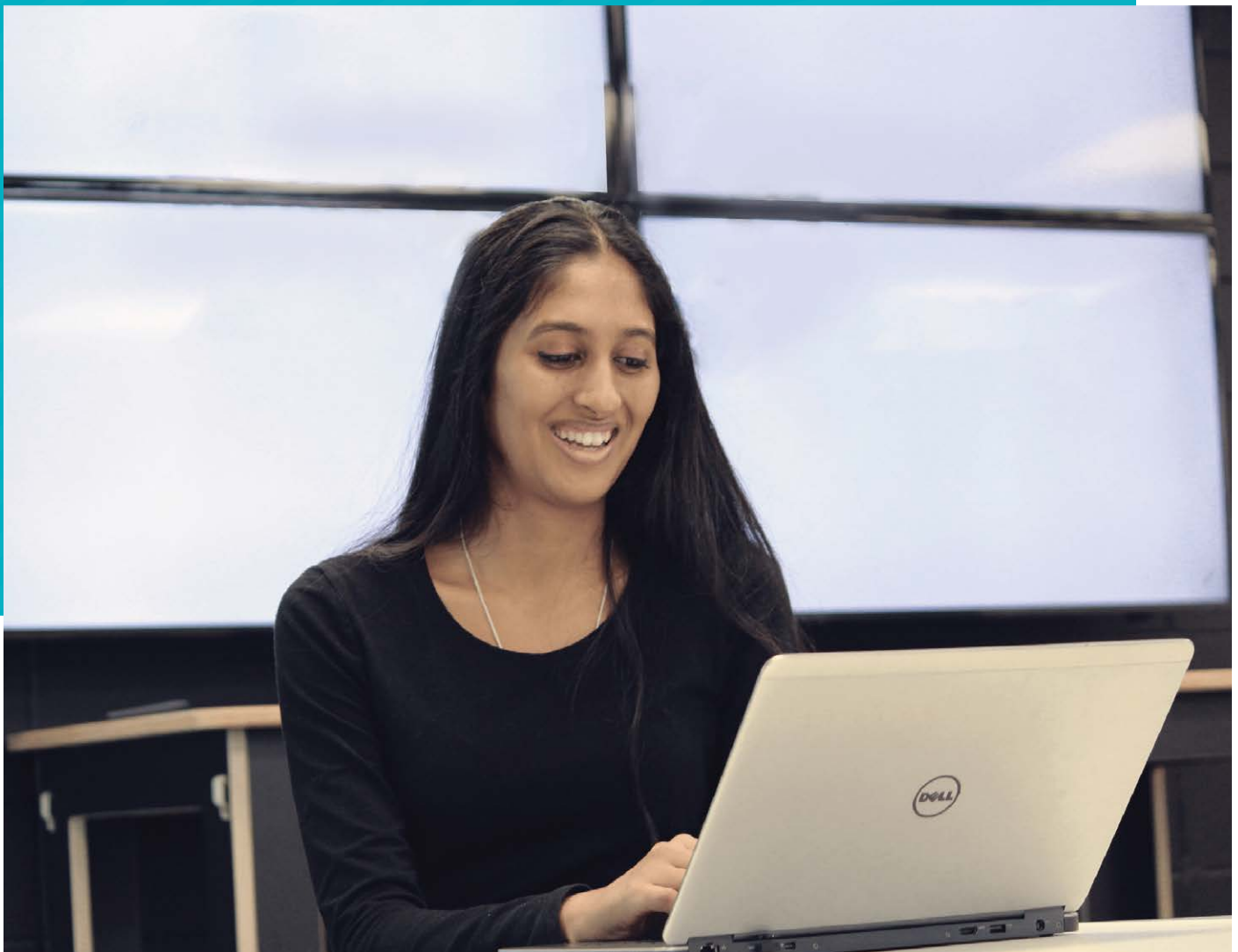
- To gain knowledge of current hacking methodologies
- To be able to test and exploit infrastructure/ applications



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YOU CAN GO ONLINE AND GO THROUGH TUTORIALS AND TEACH YOURSELF, BUT I DON'T THINK YOU'LL FIND ANYWHERE ELSE THAT WILL HAVE THIS KIND OF LAB OR CLASSROOM ENVIRONMENT. WE HAVE EXPERIENCED TRAINERS AND HACKERS TEACHING US REAL-WORLD APPLICATION.

— DIVYA



HOW TO APPLY WITH US



STEP 1: REGISTER YOUR INTEREST

Complete the online application form on our website kordia.co.nz/cyberacademy. You will be asked to include a copy of your CV.

Closing date for applications is Monday 11th October 2021 at 5pm.



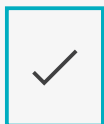
STEP 2: COME IN FOR AN INTERVIEW

Shortlisted candidates will be invited for an interview, which will be conducted by one of our specialists either in person or online in order to ensure students are the right fit for the training programme.



STEP 3: OFFER OF PLACE

If your application is accepted, you will receive an offer of place with further details on the course and timings. The course is planned to start on 1 November 2021.



STEP 4: ACCEPTANCE

To accept the offer of place, sign and return your offer letter for confirmed enrolment.





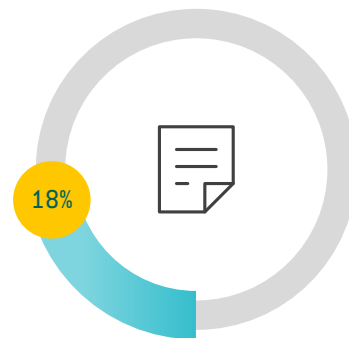
YOUR FUTURE AWAITS

**NEW ZEALAND NEEDS YOU.
CHECK OUT THESE CERT 2021 QUARTER ONE STATS:**



\$3 MILLION

IN REPORTED DIRECT
FINANCIAL LOSSES, UP **7%**
FROM QUARTER 4, 2020.



18%

INCREASE IN UNAUTHORISED
ACCESS REPORTS COMPARED
TO QUARTER 4, 2020, WITH A
DIRECT FINANCIAL LOSS OF
CLOSE TO **\$1 MILLION.**



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CYBER ACADEMY SHOWED US EXACTLY WHAT'S BEING PRACTISED IN THE REAL WORLD IN TERMS OF CYBER SECURITY, MONITORING, AND PENETRATION TESTING. YOU GET A LOT MORE THAN JUST A TEXTBOOK UNDERSTANDING OF WHAT THE INDUSTRY AND WORKING IN THE INDUSTRY INVOLVES. I FEEL INCREDIBLY WELL EQUIPPED FOR THIS CAREER PATH.

— AMAN





CREATE YOUR FUTURE

If there was ever a time to enter the Cyber Security field, now is that time.

APPLY NOW

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For questions please contact Michaela Roberts
Call **09 9551 7363** Or email **applications@kordia.co.nz**