

Tohu Paerunga Haumaru Matihiko Postgraduate Digital Security



Learn how to protect assets, personal identity and technology from viruses, spyware and hackers by studying Digital Security.

With the explosion in the use of digital technology, there is a real need for people with the right skills in the design, planning and management of secure information technology infrastructure.

You'll learn how to identify vulnerabilities within a network, manage physical security and surveillance, and provide risk analysis for networks and systems.

You'll also have the opportunity to explore integral skills in digital security by working on projects about real industry problems, supervised by our researchers.

Courses available in this subject include:

- > Advanced Information Security
- > Cryptographic Management
- > Security for Smart-devices
- > Network Defense and Countermeasures
- > Advanced Design and Analysis of Algorithms
- > Advanced Topics in Human Computer Interaction

Choosing your supervisor

Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times. Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Supervisors have limited capacity for taking on students, so make sure you talk to them sooner rather than later.

Scholarships

You can apply for a range of scholarships for postgraduate study in Science.

auckland.ac.nz/science-scholarships



Career opportunities

Any company that relies heavily on its information and technology systems has a particular need for a secure digital network. There is a demand for digital security specialists due to the increasing risks of disruption and compromise of information technology systems.

Our graduates learn the fundamentals of secure IT design, planning and management, which make this qualification very attractive to employers. You may find work in all types of industries including: airline, financial services, governmental services, healthcare and retail.

Our graduates have been employed in the following jobs:

- › Information security analyst
- › Network support engineer
- › Security operations analyst
- › Senior security specialist

This subject is available in:

- › Master of Professional Studies

You may also be interested in our programmes in Computer Science, Data Science and Information Technology.



Find out more about how your degree will be structured and what courses you need to take at

auckland.ac.nz/science/pg-digital-security

Applications close on 8 December.



Kuhua ki tō mātou hapori, ā, Kimihia tōu Pūtaiao.
Join our community and find your Science.



Disclaimer: The information in this document is a general guide only for students and subject to alteration. All students enrolling at the University of Auckland must consult its official Calendar, to ensure that they are aware of and comply with all regulations, requirements and policies. [2026]

Have any questions?
Contact the Student Hub

auckland.ac.nz/student-hubs