



Diploma of Information Technology

Cyber Security & Advanced Networking

COURSE DESCRIPTION

COURSE CODE • **ICT50120**

CRICOS COURSE CODE • **102692G**

Cyber crime and associated cyber attacks are increasing at a rapid rate. There is now an urgent demand for skilled professionals to combat this and protect our data and personal information. In this course, you will explore key aspects of advanced networking and how to address a range of cyber issues. You will develop the skills to detect and determine the severity of breaches within a network or security system. Through real life projects, you will also increase your understanding of cyber security management concepts and architecture while becoming comfortable working as part of a team.

WHAT WILL I LEARN?

NETWORKING FUNDAMENTALS

ICTICT517 • Match ICT needs with the strategic direction of the organisation
ICTNWK540 • Design, build and test network servers
ICTNWK559 • Install an enterprise virtual computing environment
BSBXCS402 • Promote workplace cyber security awareness and best practices

ADVANCED NETWORKING

ICTNWK529 • Install and manage complex ICT networks
ICTNWK536 • Plan, implement and test enterprise communication solutions
ICTNWK557 • Configure and manage advanced virtual computing environments

ADVANCED CYBER SECURITY

ICTSAS524 • Develop, implement and evaluate an incident response plan
ICTSAS526 • Review and update disaster recovery and contingency plans
ICTCYS613 • Utilise design methodologies for security architecture

CREATIVE PROBLEM SOLVING

BSBCRT501 • Originate and develop concepts
BSBLDR511 • Develop and use emotional intelligence
BSBCRT301 • Develop and extend critical thinking skills
ICTSAS527 • Manage client problems

MANAGING IT PROJECTS

BSBXTW401 • Lead and facilitate a team
ICTICT532 • Apply IP, ethics and privacy policies in ICT environments
BSBPMG513 • Manage project quality

MANAGING & SECURING ENTERPRISE NETWORKS

ICTCYS610 • Protect critical infrastructure for organisations
ICTCYS407 • Gather, analyse and interpret threat data
ICTNWK546 • Manage network security



Talk is cheap, show me the code.

LINUS
TORVALDS

01. **CAMPUS**

- Sydney Startup Hub
- Melbourne CBD

02. **DURATION**

78 weeks (including term breaks)
6 terms (10 weeks per term)
1800 hours

03. **EMPLOYMENT OPPORTUNITIES**

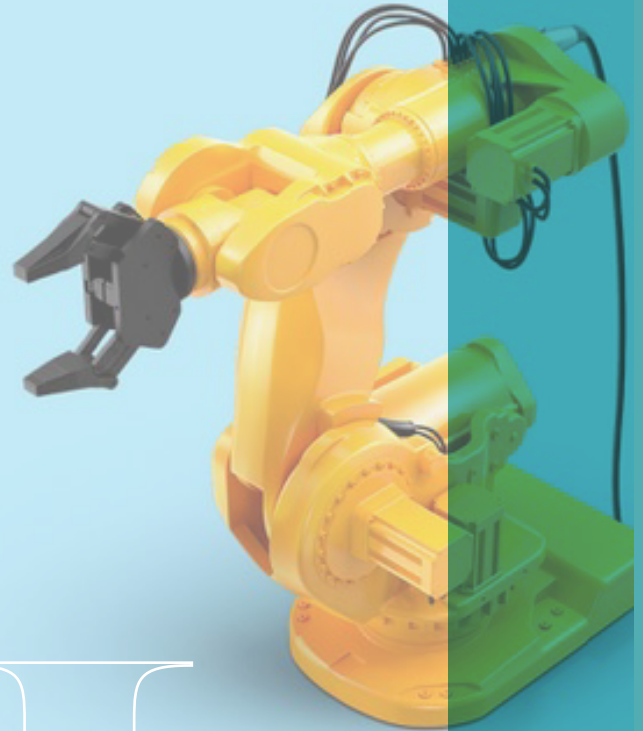
- Cyber Security Specialist
- Information systems security support officer
- Systems tester
- Network security support officer
- Website security support officer

04. **ENTRY REQUIREMENTS**

- Successful completion of Australian Year 10 or equivalent
- Must be at least 18 years of age at course commencement
- International learners must demonstrate they hold an IELTS 5.5 with no skills band less than 5 or equivalent

Information provided is current as at the date listed,
and may be subject to change. Date: 04.09.2020

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