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# Certificate IV in Information Technology

## Networking Stream

# ICT40120

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## Foundation Skills

- Service Desk operations
- Cyber-security risk management
- Evaluating emerging technologies
- Basic system administration

## Specialty Skills

- Managing virtual networks
- Network security and configuration
- Cloud computing solutions
- Installing and securing small networks
- Programming with Javascript



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# CERTIFICATE IV IN INFORMATION TECHNOLOGY

## ICT40120 - Networking Stream

SUBJECT	UNIT	CODE	DURATION (weeks)
Networking - Virtualisation	<ul style="list-style-type: none"> <li>Install and configure virtual machines</li> <li>Install and manage servers</li> <li>Configure desktop environments</li> </ul>	ICTNWK420 ICTNWK422 ICTNWK427	6
Implement Data and IP Protection Strategies	<ul style="list-style-type: none"> <li>Contribute to cyber security risk management</li> <li>Comply with IP, ethics and privacy policies in ICT environments</li> <li>Identify and report online security threats</li> <li>Protect devices from spam and destructive software</li> </ul>	BSBXCS404 ICTICT451 BSBXCS302 ICTSAS214	10
ICT Problem Resolution Techniques	<ul style="list-style-type: none"> <li>Apply advanced critical thinking to work processes</li> <li>Work collaboratively using ICT technologies</li> <li>Identify and resolve client ICT problems</li> <li>Provide first-level remote help desk support</li> </ul>	BSBCRT404 ICTICT443 ICTSAS432 ICTSAS442	8
Networking - Install Hardware	<ul style="list-style-type: none"> <li>Install hardware to networks</li> <li>Install, configure and test a router</li> </ul>	ICTNWK429 ICTTEN417	8
Evaluate Cloud and Emerging Technology	<ul style="list-style-type: none"> <li>Identify and evaluate emerging technologies and practices</li> <li>Evaluate characteristics of cloud computing solutions and services</li> <li>Identify and use industry specific technologies</li> <li>Select cloud storage solutions</li> </ul>	ICTICT426 ICTCLD301 ICTICT310 ICTICT428	8
Networking - Configure Internet Protocols	<ul style="list-style-type: none"> <li>Install, configure and test internet protocol networks</li> </ul>	ICTTEN434	6
Programming with Javascript	<ul style="list-style-type: none"> <li>Apply introductory programming techniques</li> </ul>	ICTPRG302	5
Networking - Configure Network Security	<ul style="list-style-type: none"> <li>Manage network and data integrity</li> <li>Install, configure and test network security</li> </ul>	ICTNWK423 ICTNWK421	10
Networking - Install a Small Enterprise Network	<ul style="list-style-type: none"> <li>Install and operate small enterprise branch networks</li> </ul>	ICTNWK424	10

*If you would like to discuss additional electives, please contact us.*