ICT50318 Diploma of Information Technology Systems Administration

Modification History

<table>
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<tr>
<th>Release</th>
<th>Comments</th>
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<tr>
<td>Release 1</td>
<td>This version first released with ICT Information and Communications Technology Training Package Version 4.0.</td>
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Qualification Description

This qualification provides the skills and knowledge for an individual to be competent in administering a variety of networked computer systems. The qualification has a strong information technology base of core units with the potential for inclusion of a range of broader industry-specific units in the areas of virtualisation, sustainability and project management to suit particular needs.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

Nil

Packaging Rules

Total number of units = 19

10 core units plus
9 elective units

The elective units consist of:
- up to 9 elective units from the elective units listed below
- up to 4 from elsewhere in ICT Information and Communications Technology Training Package or any other Training Package or accredited course at Diploma or Advanced Diploma level.

The elective units chosen must be relevant to the work outcome and meet local industry needs.
Core units
BSBSUS501 Develop workplace policy and procedures for sustainability
ICTICT418 Contribute to copyright, ethics and privacy in an ICT environment
ICTICT509 Gather data to identify business requirements
ICTNWK513 Manage system security
ICTSAS406 Implement and hand over system components
ICTSAS502 Establish and maintain client user liaison
ICTSAS505 Review and update disaster recovery and contingency plans
ICTSAS512 Review and manage delivery of maintenance services
ICTSAS522 Manage the testing process
ICTTEN516 Produce technical solutions from business specifications

Elective units
ICTICT501 Research and review hardware technology options for organisations
ICTICT514 Identify and manage the implementation of current industry specific technologies
ICTICT515 Verify client business requirements
ICTICT517 Match ICT needs with the strategic direction of the organisation
ICTNWK502 Implement secure encryption technologies
ICTNWK504 Design and implement an integrated server solution
ICTNWK505 Design, build and test a network server
ICTNWK506 Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network
ICTNWK509 Design and implement a security perimeter for ICT networks
ICTNWK525 Configure an enterprise virtual computing environment
ICTNWK527 Manage an enterprise virtual computing environment
ICTNWK529 Install and manage complex ICT networks
ICTNWK531 Configure an internet gateway
ICTNWK533 Configure and manage advanced virtual computing environments
ICTNWK534 Monitor and troubleshoot virtual computing environments
ICTNWK535 Install an enterprise virtual computing environment
ICTNWK536 Plan, implement and test enterprise communication solutions
ICTNWK615 Design and configure desktop virtualisation
ICTPMG501 Manage ICT projects
ICTSAD506 Produce a feasibility report
ICTSAS517 Use network tools
ICTSAS518 Install and upgrade operating systems
ICTSAS519 Perform systems tests
ICTSAS520 Develop detailed test plans
ICTSUS501 Implement server virtualisation for a sustainable ICT system
ICTSUS601 Integrate sustainability in ICT planning and design projects
ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects

ICTTEN611 Produce an ICT network architecture design

### Qualification Mapping Information

<table>
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<tr>
<th>Code and title current version</th>
<th>Code and title previous version</th>
<th>Comments</th>
<th>Equivalence status</th>
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<tbody>
<tr>
<td>ICT50318 Diploma of Information Technology Systems Administration (Release 1)</td>
<td>ICT50315 Diploma of Information Technology Systems Administration (Release 2)</td>
<td>Updated due to changes to core units of competency</td>
<td>Equivalent qualification</td>
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### Links