

RPL for Network Administrator (ANZSCO 263112)

RPL (ACS) for Network Administrator (ANZSCO 263112)

ANZSCO 263112 Network Administrator provide operational support for and management of computer networks to ensure they run efficiently. The IT networks can range from internet and private networks to large communications networks.

Description of Employment Duties:

- analyzing, developing, interpreting and evaluating complex system design and architecture specifications, data models and diagrams in the development, configuration and integration of computer systems
- researching, analyzing, evaluating and monitoring network infrastructure to ensure networks are configured to operate at optimal performance
- assessing and recommending improvements to network operations and integrated hardware, software, communications and operating systems
- providing specialist skills in supporting and troubleshooting network problems and emergencies
- installing, configuring, testing, maintaining and administering new and upgraded networks, software database applications, servers and workstations
- providing network programming in support of specific business needs and requirements
- preparing and maintaining procedures and documentation for network inventory, and recording diagnosis and resolution of network faults, enhancements and modifications to networks, and maintenance instructions
- monitoring network traffic, and activity, capacity and usage to ensure continued integrity and optimal network performance

Description of Closely Related Core ICT Units:

- Computer Communication
- Computer Network Design
- Computer Network management
- Computer Network programming
- Computer Network protocols
- Data communications – (WAN, LAN)
- Mobile technologies
- Operating systems – (Unix, Linux, Xenix, Network OS)
- Wireless technologies – (Wireless Communication, Microwave Communication)

Description of Additional Closely Related ICT Units:

- Assembler Languages – (Assembler Programming)
- Client / Server related hardware and software
- Computer Architecture
- Computer Logic Design
- Computer organization
- Digital and signal processing
- Digital circuits – (VLSI Design, Integrated Circuit Design)

- Digital technology
- Introduction to ICT – (Introduction to Computer Science, Computer Theory, Introduction to Business Computing, Computer Science I)
- Microprocessors
- Microwave technology
- Network Component technologies
- Network security
- Optical communication technology
- Peripherals and Interfacing
- Project Management
- Satellite communications

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