­­

**COMPUTER NETWORK MANAGEMENT**

**CORE UNITS OF COMPETENCY**

|  |  |
| --- | --- |
| **Trade** | **Computer Network Management** |
| **AUSTRALIAN QUALIFICATION** | UEE60411 - Advanced Diploma of Computer Systems Engineering |

|  |  |  |
| --- | --- | --- |
| **CORE UNITS OF COMPETENCY** | | |
| UEENEED144A | Commission industrial computer systems | 20 |
| UEENEED145A | Modify-redesign of industrial computer systems | 20 |
| UEENEEE015B | Develop design brief for electrotechnology projects | 40 |
| UEENEEE038B | Participate in development and follow a personal competency development plan | 20 |
| UEENEEE078B | Contribute to risk management in electrotechnology systems | 20 |
| UEENEEE101A | Apply Occupational Health and Safety regulations, codes and practices in the workplace | 20 |
| UEENEEE117A | Implement and monitor energy sector OHS policies and procedures | 20 |
| UEENEEE137A | Document and apply measures to control OHS risks associated with electrotechnology work | 20 |
| UEENEEH141A | Manage computer systems/electronics projects | 40 |
| UEENEEH188A | Design and develop electronics/ computer systems projects | 40 |
| UEENEEK132A | Develop strategies to address environmental and sustainability issues in the energy sector | 20 |
| **Total points in core** |  | **280** |
| **ELECTIVE UNITS OF COMPETENCY** | | |
| **ELECTIVE UNITS OF COMPETENCY - GROUP A** | | |
| BSBINN502A | Build and sustain an innovative work environment | 50 |
| BSBINM501A | Manage an information or knowledge management system | 50 |
| **Total Group A** |  | **100** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP B** | | |
| UEENEED102A | Assemble, set-up and test computing devices | 80 |
| UEENEED104A | Use engineering applications software on personal computers | 40 |
| UEENEED112A | Support computer hardware and software for engineering applications | 120 |
| UEENEED143A | Install and configure a client computer operating system and software | 40 |
| UEENEED146A | Set up and configure basic local area network (LAN) | 40 |
| UEENEEE104A | Solve problems in d.c. circuits | 80 |
| UEENEEE102A | Fabricate, assemble and dismantle utilities industry components | 40 |
| UEENEEE107A | Use drawings, diagrams, schedules, standards, codes and specifications | 40 |
| UEENEEF102A | Install and maintain cabling for multiple access to telecommunication services | 120 |
| UEENEEF107A | Set up and configure the wireless capabilities of communications and data storage devices | 40 |
| UEENEEF108A | Select and arrange equipment for wireless communication networks | 40 |
| UEENEEF109A | Install and connect data and voice communication equipment | 40 |
| **Total Group B** |  | **720** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP C** | | |
| UEENEED115A | Administer computer networks | 80 |
| UEENEED117A | Install and configure network systems for internetworking | 120 |
| **Total Group C** |  | **200** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP D** | | |
| UEENEED111A | Develop, implement and test object oriented code | 140 |
| UEENEED124A | Integrate multiple computer operating systems on a client server local area network | 80 |
| UEENEEH183A | Analyse the performance of wireless based electronic / communication systems | 40 |
| **Total Group D** |  | **260** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP E** | | |
| UEENEED114A | Design and manage enterprise computer networks | 80 |
| UEENEED116A | Develop computer network services | 120 |
| UEENEED119A | Design and implement advanced routing for internetworking systems | 100 |
| UEENEED120A | Design and implement remote access for Internetworking systems | 100 |
| UEENEED122A | Design and implement security for Internetworking systems | 100 |
| UEENEED123A | Design and implement wireless LANs/WANs for internetworking systems | 100 |
| **Total Group E** | | **600** |
| **TOTAL ELECTIVES** | | **1880** |
| **Total** | | **2160** |

**Note: Group B elective - UEE60411 - Advanced Diploma of Computer Systems Engineering**

Unit UEENEED146A Set up and configure basic local area network (LAN) is part of Group B electives in this qualification. In the packaging rules for this qualification it is allocated 80 points. In other sections of the Training Package it is allocated 40 points. In line with the qualification packaging rules for this qualification this unit will be treated as an 80 point unit in this qualification. Learners who complete all three qualifications in this trade area will have attained sufficient points of Group B electives to meet the packaging rules for this qualification even if the decision was taken to reduce the point value of UEENEED146A to 40 points.

**CRICOS No 00881F RTO No 0260. Training is deliver with Victorian and Commonwealth Government funding**

|  |  |
| --- | --- |
| **AUSTRALIAN QUALIFICATION** | UEE40111 Certificate IV in Computer Systems |

|  |  |  |  |
| --- | --- | --- | --- |
| **CORE UNITS OF COMPETENCY** | | | |
| UEENEED102A | Assemble, set-up and test computing devices | | 80 |
| UEENEED104A | Use engineering applications software on personal computers | | 40 |
| UEENEED112A | Support computer hardware and software for engineering applications | | 120 |
| UEENEED143A | Install and configure a client computer operating system and software | | 40 |
| UEENEED146A | Set up and configure basic local area network (LAN) | | 80 |
| UEENEEE038B | Participate in development and follow a personal competency development plan | | 20 |
| UEENEEE101A | Apply Occupational Health and Safety regulations, codes and practices in the workplace | | 20 |
| UEENEEE102A | Fabricate, assemble and dismantle utilities industry components | | 40 |
| UEENEEE103A | Solve problems in ELV single path circuits | | 40 |
| UEENEEE117A | Implement and monitor energy sector OHS policies and procedures | | 20 |
| UEENEEE124A | Compile and produce an energy sector detailed report | | 60 |
| UEENEEE137A | Document and apply measures to control OHS risks associated with electrotechnology work | | 20 |
| UEENEEK145A | Implement and monitor energy sector environmental and sustainable energy policies and procedures | | 20 |
| Total points in core | | | 600 |
| **ELECTIVE UNITS OF COMPETENCY** | | | |
| **ELECTIVE UNITS OF COMPETENCY - GROUP A** | | | |
| UEENEED101A | Use computer applications relevant to a workplace | | 20 |
| UEENEEC002B | Source and purchase material/parts for installation or service jobs | | 20 |
| ICTTEN4214A | Install and maintain a wide area network | | 80 |
| ICTTEN4210A | Implement and troubleshoot enterprise routers and switches | | 100 |
| **Total Group A** |  | | **220** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP B** | | | |
| UEENEEE105A | Fix and secure electrotechnology equipment | | 20 |
| UEENEEF102A | Install and maintain cabling for multiple access to telecommunication services | | 120 |
| UEENEEF104A | Install and modify performance data communication copper cabling | | 40 |
| UEENEEF105A | Install and modify optical fibre performance data communication cabling | | 40 |
| UEENEEF107A | Set up and configure the wireless capabilities of communications and data storage devices | | 40 |
| **Total Group B** |  | | **260** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP C** | | | |
| UEENEED117A | | Install and configure network systems for internetworking | 120 |
| UEENEED124A | | Integrate multiple computer operating systems on a client server local area network | 80 |
| **Total Group C** | | | **200** |
| **TOTAL ELECTIVES** | | | **680** |
| **TOTAL** | | | **1280** |

|  |  |
| --- | --- |
| **AUSTRALIAN QUALIFICATION** | UEE20511 Certificate II in Computer Assembly and Repair |

|  |  |  |
| --- | --- | --- |
| **CORE UNITS OF COMPETENCY** | | |
| UEENEED102A | Assemble, set-up and test computing devices | 80 |
| UEENEEE038B | Participate in development and follow a personal competency development plan | 20 |
| UEENEEE101A | Apply Occupational Health and Safety regulations, codes and practices in the workplace | 20 |
| UEENEEE102A | Fabricate, assemble and dismantle utilities industry components | 40 |
| UEENEEE137A | Document and apply measures to control OHS risks associated with electrotechnology work | 20 |
| UEENEEK142A | Apply environmentally and sustainable energy procedures in the energy sector | 20 |
| Total points in core | | 200 |
| **ELECTIVE UNITS OF COMPETENCY** | | |
| **ELECTIVE UNITS OF COMPETENCY - GROUP A** | | |
| ICTTEN2209A | Build and maintain a secure network | 80 |
| **Total Group A – note max allocation under packaging rules 60 points** | | **60** |
| **ELECTIVE UNITS OF COMPETENCY - GROUP B** | | |
| UEENEED101A | Use computer applications relevant to a workplace | 20 |
| UEENEED143A | Install and configure a client computer operating system and software | 40 |
| UEENEEE107A | Use drawings, diagrams, schedules, standards, codes and specifications | 40 |
| **Total Group B** | | **100** |
| **TOTAL ELECTIVES** | | **160** |
| **TOTAL** | | **360** |

**Note:**

**Group A Electives: UEE20511 Certificate II in Computer Assembly and Repair**

The packaging rules allow for a maximum of 60 points in this category of electives. Unit ICTTEN2209A Build and maintain a secure network is an approved elective under the packaging rules. This unit has a point value of 80 points. Given the maximum point value for this category is 60 points, this unit will be treated as a 60 point unit for the purpose of determining the total value of the qualification.

