Information, Communication and Technology
Preferred Study and Career Pathways

Job Title: Network Security Specialist, IT Security Administrator, IT Security Analyst
Job Description:
1. Manage the security of computer networks & information systems.
2. Install, support and maintain H/W & S/W infrastructure.
3. Provide IT solutions to business & management problems.
4. Ensure that IT infrastructure, process and organisation elements of a project are addressed and integrated.

Job Title: Manager in IT (Infrastructure solutions), Business Development Manager, Business Analyst, IT Project Manager
Job Description:
1. Manage a team providing design, implementation and support of the software and hardware infrastructure.
2. Ensure services provided deliver to the required SLA & provide support to the existing Service Desk.
3. Receive, prioritize, document, and resolve end-user help requests using ITIL based methodologies and software.
4. Understand the business process management of the company & design business process work flow.
5. Manage contractual agreements with solution providers and vendors.
6. Identify, maintain and manage project budgets.
7. Manage project to ensure that the project remains within agreed scope, schedule, cost and quality.
8. Ensure that IT infrastructure, process and organisation elements of a project are addressed and integrated.

Job Title: Analyst Programmer, Assistant Programming, Database Support, Analyst Programmer, Web Support Programmer, Database Administrator
Job Description:
1. Plan, develop, test and document computer programs.
2. Evaluate user request for new or modified program.
3. Analyse and develop specifications for design, determine feasibility, cost and time required, compatibility with current system, and computer capabilities.
4. Installing and testing new versions of the DBMS.
5. Maintaining data standards, including adherence to the Data Protection Act.
6. Controlling access permissions and privileges.
7. Developing, managing and testing back-up and recovery plans and procedures.

Job Title: Web Developer, Webmaster, Website Coordinator, Intranet Content Coordinator, Games Developer
Job Description:
1. Write programming code - from scratch or adapt existing website to meet business requirements.
2. Test the website and identify any technical problems.
3. Upload the site onto a server and register it with different search engines.
4. Design, create and produce computer or video games.
5. Work in games development teams with artists, programmers, producers and marketing staff.

*VENDOR CERTIFICATIONS
1A. CISCO CCNA
1B. CISCO CCNP
2. VMware
3. MTA

Certificate II in IT OR Certificate III in IT OR Skill Sets