

Occupational Map: Digital

This is one of 15 occupational maps that group together occupations that require similar knowledge skills and behaviours. Career pathways and occupational clusters have been used to provide further grouping of occupations, with the pathways indicating options for likely career progression. Every apprenticeship standard has been captured, as well as other skilled occupations where there is a substantial requirement for technical knowledge and practical skills. This map is split into 3 pathways: Digital Support and Services; Digital Production, Design and Development; and Digital Business Services. The pathways have been split further into several occupational clusters, particularly at the higher technical occupations and professional occupations levels.

Occupations in green: Standard approved for delivery
Occupations in amber: Standard published
Occupations in red: Standard in development
Occupations in black: Standard awaiting development
The number shown in brackets () is the level of the apprenticeship (if known)



[Click here for more information on the occupations listed in this map](#)

| Digital Support and Services | Technical Occupations | Higher Technical Occupations | Professional Occupations |
|------------------------------|--|--|--|
| | <p>Cluster: IT Support and Services Technician <i>Help internal and external customers to install and use IT technology along with trouble-shooting their problems. Skills are developed across IT security and data management.</i></p> <p>Digital Device Repair Technician (3) Digital Support Technician (3): - Digital Applications Technician - Digital Service Technician Infrastructure Technician (3) IT Solutions Technician (3): - Hardware Solutions - Software Solutions Network Cable Installer (3) Radio Network Technician (3)</p> | <p>Cluster: Cyber Security Technician <i>Detect security breaches and respond using alerts from automated tools to determine breach status and resolution working with the incident response team. Extended skills allow hazards, risks and controls to be managed.</i></p> <p>Cyber Security Technologist (4) - Intrusion Analyst - Technologist - Risk Analyst</p> <p>Cluster: Hardware, Networks and Infrastructure Technician <i>Design, install, maintain and support communication networks. Knowledge extends to network configuration, cloud, network administration and monitoring tools. Provides advice and guidance to internal and external customers.</i></p> <p>Digital Network & Infrastructure Engineer (4)</p> <p>Cluster: IT Systems Technician <i>Co-ordinate systems development tasks including the design, integration and formal testing, oversees transition into production.</i></p> <p>Computer Systems Analyst</p> | <p>Cluster: Cyber Security Professional <i>Provide and implement cyber security technology enabled solutions for internal and external customers.</i></p> <p>Cyber Security Technical Professional (degree) (6)</p> |

| Digital Production, Design and Development | Technical Occupations | Higher Technical Occupations | Professional Occupations |
|--|--|--|---|
| | <p>Cluster: Software Development Technician <i>Build simple software components (web, mobile, desktop applications) as a part of larger software development project. Interpret simple design requirements and testing to ensure components meet their intended functionality.</i></p> <p>Digital Front End Developer (3) Digital Test Technician (3) Software Development Technician (3)</p> | <p>Cluster: Software Development Advanced Technician <i>Build and test simple, high quality codes across various layers (front end, logic and database) and interpret design documents and specifications.</i></p> <p>DevOps Engineer (4) Digital Product Analyst (4) Digital User Experience (4) Games Designer Gaming Audio Engineer IT Product Manager Software Developer (4) Video Games Quality Assurance Technician (4)</p> | <p>Cluster: Software Development Professional <i>Software engineering covering modelling, simulation, human factors, systems engineering and influences upon product architecture throughout the whole product lifecycle.</i></p> <p>Digital User Experience (UX) Professional (6) Computer Science/Software Engineer (7) Creative Digital Design Professional (6)</p> |

| Digital Business Services | Technical Occupations | Higher Technical Occupations | Professional Occupations |
|---------------------------|--|--|--|
| | <p>Cluster: Data Analyst Technician <i>Source, format and present data securely in a relevant way for analysis using basic methods.</i></p> <p>Data Technician (3)</p> <p>Cluster: Digital Solutions Technician <i>Creating, editing, posting and updating content including e-commerce content, product information, and descriptions.</i></p> <p>Digital Content Administrator (2)</p> | <p>Cluster: Data Analyst Advanced Technician <i>Collect, organise and analyse data to provide business insights using extensive knowledge of data solutions, database systems and analytical tools.</i></p> <p>Data Analyst (4) Data Architect</p> <p>Cluster: Digital Solutions Advanced Technician <i>Facilitate and instigate direct communication online between the end user or customer and the organisation, implementing communication strategies to support business objectives.</i></p> <p>Digital Community Manager (4) Digital Content Manager</p> | <p>Cluster: Business Information Professional <i>Provide and implement data technology enabled solutions to support internal and external customers.</i></p> <p>Data Scientist (degree) (6)</p> <p>Cluster: Digital Solutions Professional <i>Provide and implement technology enabled solutions to internal and external customers.</i></p> <p>Artificial Intelligence (AI) Data Specialist (degree) (7) Digital & Technology Solutions Professional (degree) (6): - Business Analyst - Cyber Security Specialist - Data Analyst - IT Consultant - Network Engineer - Software Engineer Digital & Technology Solution Specialist (7): - Cyber Security Technology Specialist - Data Analytics Specialist - Digital Business & Enterprise System Architecture Specialist - IT Business Analyst Specialist - IT Operations Management Specialist - IT Project Management Specialist - IT Strategy Specialist - IT/Digital Futures Management Specialist - Network Engineering Specialist - Software Engineering Specialist - Systems Test & Assurance Specialist</p> |