

Occupational Area	Typical Job Function	Common Entry Level Job Titles	Technical Capability Requirements	Other Knowledge and Skills Requirements
Cyber and Information Security	Cyber Security	Cyber Intrusion Analyst Cyber Analyst Cyber Intrusion Analyst Cyber Risk Analyst Forensic technology ICT Security Specialist Information & Cyber Security Specialist Internet Security Specialist Penetration Tester Ethical Hacker	Analytical skills Degree in any subjects generally accepted Project Management skills	Interest/experience in IT Systems (hardware, software, networks) Keen interest in cyber security Communication skills
Data, Databases and Data Management	Data Analyst	Data Analyst Database Analyst	Degree in computer science, computer engineering, management information systems or related field. SQL and SSIS skills Experience of Agile Development Practices	Excellent communication and interpersonal skills Analysis and problem solving skills
Hardware, Networks, Cloud and Infrastructure	Hardware Engineer	Design Verification Engineers Hardware Developer Engineers Hardware Manufacturing	2.1 or above in Engineering, science, computer science or maths Problem solving	Keen interest in computer architecture and hardware designer
	Network Engineer	Network Designer Network Specialist	Expertise in at least one of the following <ul style="list-style-type: none"> • network engineering, mobile communications technologies, • bespoke software and hardware development and integration • technical infrastructure design and implementation 	
	Telecommunications Engineer	Telecommunications Engineer	Vendor qualifications particularly Microsoft and CISCO qualifications	
	Cloud Support	Cloud Consultant Cloud Manager Cloud Support Engineer	IT Related degree Analytical skills	

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Digital Business	Digital Marketing	Digital Brand Analyst Digital Marketing Officer Pay-per-click (PPC) Manager Search Engine Marketing (SEM) Analyst Search Engine Optimisation (SEO) Analyst Social Media and Online PR Analyst Community Manager Content Marketing Digital Marketing Executive Ecommerce & Conversion Email Marketing Mobile Marketing Search Engine Marketing Social Media	Related degrees (Marketing, IT, Journalism) Understanding of social media and research tools (e.g. Google Analytics)	Genuine interest in digital marketing Good communication skills - both written and verbal Passion for digital marketing An interest in marketing/advertising/brand communications
	IT Sales	Account Manager Customer Sales Executive Technical Sales Assistant Junior Sales Broker Business Development Analyst Sales Software/IT Executive	Good degree (2.2 or above) Knowledge of IT infrastructure Knowledge of business Experience in sales Excellent IT Skills (Excel, PowerPoint, Word)	Demonstrable communication and presentation skills Commercially minded Resilient and driven Results oriented
Project and Product Management	Project Manager	Product Planner Project Leader IT Project Manager Project Consultant Project Analyst	Website & Content Management CRM Backend systems including HR & Finance Project Management methodologies (Prince 2)	Excellent organisational skills Excellent communication skills
	Business Analyst	Business Analyst Business Process Analyst Business Architect	Business computing systems IT- related qualification Analytical skills Project Management skills	Excellent communication and interpersonal skills Group work skills

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Software and Applications Design and Development	Developer	Agile Developer Analyst Developer Android Developer Back End Developer Coder CSS Developer DevOps Engineer Front End Developer Full Stack Engineer HTML Developer iOS Developer IT Programmer Mobile Applications Developer PHP Developer Programmer Software Developer Software Engineer System Developer Systems Administrator	2.1 in Computer related degree or a science degree Experience in programming – with the most common including C, C++, JavaScript, C#, .NET, HTML, CSS, PHP, Linux – but also a wide variety of others, particularly in SMEs Familiarity with SQL or similar database structures and semantics Understanding of agile methodologies	An interest/passion for Technology/IT/Software Development Communication skills Interpersonal skills Team work
	Tester	QA Tester Solutions Tester Usability Tester Test Analyst Test Specialist	Experience as a software developer (either as a placement student or an intern)	
	Web Developer	Webmaster Web Programmer Web Producer Internet Engineer	Hobbyist games development (for gaming roles) 3D graphics technique	
	Games Developer	Games System Architect Games Programmer		
	Web Designer	Producer Multimedia Architect Multimedia Designer	Graphics or IT related degree Design experience with skills including CSS, HTML, SQL and UI desirable Web design experience (for example, from a placement year) Web design skills including WordPress and experience with Google Analytics Experience of Adobe or creative suites	Good communication skills, both verbal and written Great organisational skills

	Graphic Designer	Multimedia Designer Digital Designer Conceptual Designer Visual/ UI Designer Producer Graphic Artist Motion Graphics Designer Video Editor	Web design skills including WordPress and experience with Google Analytics Experience of Adobe or creative suites	
	UI/UX Designer	UX Researcher UI Engineer Graphic User Interface (GUI) Designer		
	Games Designer	Animator Illustrator Games Artist		
	Technical Analyst	Solutions Analyst Systems Analyst Technology Analyst	IT or related degree at 2.2 or above Analytical skills Strong understanding of IT, experience with programming languages including C and Java Understanding of database concepts	Demonstrable interest in IT Excellent communication and interpersonal skills
	Technical Consultant	Applications Consultant UX Consultant Technology Consultant IT Consultant	Degree from all disciplines (IT or Psychology desirable for UX roles) Experience of working with mobile applications Experience of UX design Excellent IT Skills (Excel, PowerPoint, Word)	Passion for technology Excellent organisational skills Results oriented
Tech Graduate Programmes	-	IT graduate programme Technical graduate programmes Technology graduate community Business intelligence graduate programme Technology Leadership programme	UCAS points or degree or equivalent Degree in Business Studies, Computer Science, Information Technology	Communication skills Leadership potential Enthusiasm Well-rounded individuals Excellent problem solving skills