

Core Skills, Core Knowledge and Core Behaviours to be assessed	Methods of Assessment	
PR: Project Report PD: Professional Discussion		
Business and change management		
(Skill) Identify, document, review and design complex IT enabled business processes that define a set of activities that will accomplish specific organisational goals and provides a systematic approach to improving those processes	PR	
(Skill) Design and develop technology roadmaps, implementation strategies and transformation plans focused on digital technologies to achieve improved productivity, functionality and end user experience in an area of technology specialism		PD
(Skill) Deliver workplace transformations through planning and implementing technology based business change programmes including setting objectives, priorities and responsibilities with others in an area of technology specialism		PD
(Knowledge) The strategic importance of technology enabled business processes, and how they are designed and managed to determine a firm’s ability to compete effectively		PD
(Knowledge) The principles of business transformation and how organisations integrate different management functions in the context of technological change		PD
(Knowledge) Own employer’s business objectives and strategy, its position in the market and how own employer adds value to its clients through the services and/or products they provide		PD
(Knowledge) How to justify the value of technology investments and apply benefits management and realisation		PD
Professional competencies		
(Skill) Negotiate and agree digital and technology specialism delivery budgets with those with decision-making responsibility		PD
(Skill) Develop and deliver management level presentations which resonate with senior stakeholders, both business and technical		PD
(Skill) Professionally present digital and technology solution specialism plans and solutions in a well-structured business report	PR	
(Skill) Demonstrate self-direction and originality in solving problems, and act autonomously in planning and implementing digital and technology solutions specialist tasks at a professional level	PR	
(Skill) Be competent at negotiating and closing techniques in a range of interactions and engagements, both with senior internal and external stakeholders	PR	
(Knowledge) The role of learning and talent management in successful business operations.		PD

Digital and Technology Solutions Specialist – Data Analytics Specialist  
Integrated Degree Apprenticeship Level 7 - Mapping of KSBs to assessment

<b>Leadership</b>		
<b>(Skill)</b> Evaluate the significance of human factors to leadership in the effective implementation and management of technology enabled business processes		PD
<b>(Skill)</b> Develop own leadership style and professional values that contributes to building high performing teams		PD
<b>(Behaviour)</b> Inspire and motivate others to deliver excellent technical solutions and outcomes		PD
<b>(Behaviour)</b> Establish high levels of performance in digital and technology solutions activities		PD
<b>(Behaviour)</b> Be results and outcomes driven to achieve high key performance outcomes for digital and technology solutions objectives		PD
<b>(Behaviour)</b> Promote a high level of cooperation between own work group and other groups to establish a technology change led culture		PD
<b>(Behaviour)</b> Develop and support others in developing an appropriate balance of leadership and technical skills		PD
<b>(Behaviour)</b> Create strong positive relationships with team members to produce high performing technical teams		PD
<b>(Knowledge)</b> The role of leadership in contemporary technology based organisations		PD
<b>(Knowledge)</b> The personal leadership qualities that are required to establish and maintain an organisations technical reputation.		PD
<b>(Knowledge)</b> The role of leaders as change agents and identify contributors to successful implementation		PD
<b>Technology management</b>		
<b>(Skill)</b> Apply broader technical knowledge combined with an understanding of the business context, and how it is changing, to deliver to the company's business strategy		PD
<b>(Skill)</b> Demonstrate effective technology leadership and change management skills for managing technology driven change and continuous improvement		PD
<b>(Skill)</b> Create and implement innovative technological strategies to support the development of new products, processes and services that align with the company's business strategy, and develop and communicate compelling business proposals to support these.		PD
<b>(Knowledge)</b> How to monitor technology related market trends and research and collect competitive intelligence		PD
<b>(Knowledge)</b> Technology road-mapping concepts and methods and how to apply them		PD

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Data Analytics Specialist Skills to be assessed		
Identify and select the business data that needs to be collected and transitioned from a range of data systems acquire, manage and process complex data sets, including large-scale and real-time data	PR	
Formulate analysis questions and hypotheses which are answerable given the data available and come to statistically sound conclusions	PR	
Conduct high-quality complex investigations, employing a range of analytical software, statistical modelling & machine learning techniques to make data driven decisions solve live commercial problems	PR	
Document and describe the data architecture and structures using appropriate data modelling tools, and select appropriate methods to present data and results that support human understanding of complex data sets	PR	
Scope and deliver data analysis projects, in response to business priorities, create compelling business opportunities reports on outcomes suitable for a variety of stakeholders including senior clients and management.	PR	
Data Analytics Specialist Knowledge to be assessed		
How key algorithms and models are applied in developing analytical solutions and how analytical solutions can deliver benefits to organisations	PR	
The information governance requirements that exist in the UK, and the relevant organisational and legislative data protection and data security standards that exist. The legal, social and ethical concerns involved in data management and analysis		PD
The principles of data driven analysis and how to apply these. Including the approach, the selected data, the fitted models and evaluations used to solve data problems	PR	
The properties of different data storage solutions, and the transmission, processing and analytics of data from an enterprise system perspective. Including the platform choices available for designing and implementing solutions for data storage, processing and analytics in different data scenarios	PR	
How relevant data hierarchies or taxonomies are identified and properly documented	PR	
The concepts, tools and techniques for data visualisation, including how this provides a qualitative understanding of the information on which decisions can be based.	PR	