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**HE07C Person Specification**

**TO BE SENT TO THE STUDENT IN ADVANCE OF INTERVIEW**

Course Title	Digital & Technology Solutions Top Up Digital & Technology Solutions Top Up (Software) Digital & Technology Solutions Top Up (Data Analytics) Digital & Technology Solutions Top Up (Networking)
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1.	<p><b>Course Details</b></p> <p>To be a student of TEC Partnership based at University Centre Grimsby studying the course BSc(hons) Digital Technology Solutions validated by the TEC Partnership&gt;.</p> <p>The validation document which describes the programme is published on the TEC Partnership website link and is version number v1</p> <p>You will be required to complete 120 credits across this programme, completing the modules below.</p> <ul style="list-style-type: none"> <li>• Innovation in IT – 20 credits</li> <li>• Business Intelligence – 20 credits</li> <li>• Dissertation – 20 credits</li> <li>• Independent Portfolio – 40 credits</li> <li>• Development Project – 20 credits</li> </ul> <p>This programme is pathways based, offering the ability to specialise in either Data Analytics, Networking or Software Development. This specialisation will award a title highlighting a student has specialised within a particular area, and is carried out through tailoring a students Independent Portfolio and Development to focus entirely on the chosen pathway</p>
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2.	<p><b>Student Activities</b></p> <p>To develop a research and writing skill to approach different writing styles level in term of approaching the professionalism research and writing skill.</p> <p>Reflecting responsibility while attending the lectures and sessions on the specified days and maintain attendance above TEC Partnership expectations of 90%.</p> <p>Demonstrate an understanding of and where applicable be able to comply with legislation relating to the use and transaction of personal data and information, particularly within the area of business intelligence</p> <p>To undertake practical and theoretical work relating to software development, networking and data analytics</p> <p>Undertake research and enhance critical thinking skills and logical problem solving in the evaluation of modern and emerging technologies and their application within a range of industries</p>
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	<p>To reflect flexibility of attendance within face-to-face lecture and online teaching.</p> <p>To demonstrate time management skills in the direction of assessed work.</p> <p>Representing renewable self-motivation towards upon successful completion.</p> <p>Work in diverse groups of students towards assessed work or otherwise.</p> <p>Demonstrate an effective presentation skill both within and outside a peer group that includes reflective practice.</p> <p>Work with Information and communications technology to convey information.</p> <p>Display effective independent skills in the creation of portfolios and project work</p> <p>Maintain backups of preparatory and assessed work to be carried out in order to avoid any loss of data and/or resources, utilising services such as onedrive and onenote</p> <p>Be available to attend lectures and sessions and complete work throughout the TEC Partnership Term Dates specified on the TEC Partnership website and in line with the details provided on the programme timetable.</p> <p>Complete up to 40 hours a week work towards your qualification made up of a range of contact delivery, set work and work towards assessments.</p> <p>Take all reasonable steps to comply with the policies and procedures of TEC partnership</p>
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3.	<p>Following full engagement in the programme, and upon its successful completion, students will:</p>
	<p>Critically evaluate theories of computing using knowledge at the forefront of a discipline.</p> <p>Critically analyse complex and real-world problems and produce plans and implement solutions using project management techniques.</p> <p>Work independently and as part of a team to provide solutions to complex computing problems to deliver complete solutions.</p> <p>Communicate complex computing information and designs to specialist and non-specialist audiences verbally and in visual formats.</p> <p>Follow moral, ethical, and legal codes of conduct being able to negotiate ambiguous situations to ensure the public good is the central concern of all development.</p> <p>Act with integrity working independently and in groups ensuring intellectual property and academic integrity are maintained.</p>

Demonstrate an understanding of project management methodologies and techniques in the management of small and medium scale development projects and portfolios.

Critically reflect upon self-managed projects and portfolios in order to identify areas for improvement and continued professional development.

Apply recognised research methodologies and techniques in context of a given IT-related research project, drawing effective conclusions and recommendations.

Critically reflect on own skills covering a range of technologies during the design and development of an independent project.

Demonstrate knowledge of IT solutions development and theories and propose solutions to complex problems utilising concepts around the chosen problem domain.

Apply appropriate and relevant development methodologies and techniques to plan, design, develop and thoroughly test an IT solution for the chosen problem domain.

Critically reflect on own skills of software development covering a range of technologies during the design and development of software (Software).

Demonstrate knowledge of software development, theories and propose solutions to complex problems utilising concepts around the chosen problem domain (Software).

Apply software development methodologies and techniques to plan, design, develop and thoroughly test software applications and prototypes. (Software).

Critically reflect on own skills of data analytics covering a range of technologies during the design, development, and execution of data analytics solutions (Data Analytics).

Demonstrate knowledge of data analytics theories and propose solutions to complex problems utilising concepts around the chosen problem domain (Data Analytics).

Critically evaluate upon the use of data and business analytics within business applications, for short- and long-term decision making (Data Analytics).

Critically reflect on own skills of networking covering a range of technologies during the design and development of local and wide area networks (Networking).

	<p>Demonstrate knowledge of networking theories and propose solutions to complex problems utilising concepts around the chosen problem domain (Networking)</p> <p>Apply theoretical and practical networking principles and technologies in order to develop Local and Wide Area Networks (Networking)</p>
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Qualities	Specific Requirements	Where demonstrated	E	D
Qualifications and Training	<p>Students will be required to have successfully completed 240 credits from on a Computing or IT related foundation degree programme or equivalent. As well as current student intake, the programme is open to students who has successfully completed a Foundation Degree programme relating to Information Technologies or Computer Science</p> <p><b>Accreditation of prior learning</b> TEC Partnership encourages student transfers from other institutions. Applicants may be admitted with credit for prior certificated learning (APcL) or work/life experience or other uncertificated learning (APeL). Please refer to the HE21 Student Transfer and the Accreditation of Prior Learning.</p> <p><b>International admissions</b> TEC Partnership recognises a wide range of entry qualifications as being equivalent to A' level standard; if students hold a qualification not listed above please contact TEC Partnership's admissions team on +44 (0) 1472 311222 ext 434.</p> <p>International students must evidence they possess a satisfactory command of English language in terms of reading, writing, listening and are expected to have achieved Level B2 on the Common European Framework of Reference for Language (CEFR), as defined by UK Visas and Immigration</p>	Application	X	
Specialist Knowledge	<ul style="list-style-type: none"> <li>Consideration of a dissertation title and topic</li> </ul>	<p>Interview/ Bridging course</p> <p>Interview</p>	X	X

	<ul style="list-style-type: none"> <li>Plan a project using established professional tools and techniques.</li> <li>Present prototypes/proof of concept and report on progress when required.</li> <li>Independent development of portfolio items relating to software development, networking, or data analytics</li> </ul>	<p>Interview</p> <p>Interview/ Bridging course</p>	X	X
Experience	Prior experience in the topics of software development, database creation and management, and the design and development of Local and Wide Area Networks.	Application and Interview	X	
Skills and Attributes	<p>Experience in the use of mathematics and data analytics to analyse effectiveness of a service or transform and analyse data.</p> <p>Ability to utilise problem solving and adaptability skills when faced with challenging circumstances.</p> <p>Manage own time to work towards multiple tasks to meet multiple deadlines.</p> <p>Ability to solve large and complex problems using project management and critical thinking skills.</p> <p>Ability to demonstrate problem solving and logic skills through programming or scripting.</p>	Interview	X	X
Other	<p>Commitment to 36 hours a week studying.</p> <p>Availability throughout the academic year and potentially the resit period.</p> <p>Knowledge about the use of Information Communication Technology to allow completion of an academic programme.</p> <p>Student finance applied for or appropriate payment plan in place.</p>	Interview	X	

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Qualities identified and determined by: E = Essential D = Desirable