

HE07C Person Specification

TO BE SENT TO THE STUDENT IN ADVANCE OF INTERVIEW

Course Title	BSc (Hons) Engineering Top-Up (Mechanical Engineering)
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1.	<p>Course Details</p> <p>To be a student of TEC Partnership based at University Centre Grimsby studying the course BSc (Hons) Engineering Top-Up (Mechanical Engineering) validated by HEQA TEC Partnership.</p> <p>The validation document which describes the programme is published on the TEC Partnership website: https://grimsby.ac.uk/higher-education-course/bsc-hons-engineering-top-up-mechanical-engineering-subject-to-validation/ and is version number v1.</p> <p>You will be required to complete four 20 credit modules and one 40 credit dissertation/project module.</p>
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2.	<p>Student Activities</p> <p>Complete academic work individually with guidance to answer questions and solve briefs.</p> <p>Work in diverse groups of students towards assessed work or otherwise.</p> <p>Work with computers and associated information and communication technology to communicate with others and complete assignment work.</p> <p>Attend sessions normally between 09:00 and 18:00 hours for any of the 5 days per week as specified on your timetable.</p> <p>Be available to attend lectures, sessions, exams and complete work throughout the TEC Partnership Term Dates specified on the TEC Partnership website.</p> <p>To attend lectures, sessions and exams on the specified days and maintain attendance above TEC Partnership expectations of 90%.</p> <p>Complete up to 39 hours a week work towards your qualification made up of a range of contact delivery, set work and work towards assessments.</p> <p>Have student finance or other means to pay for the course in place before enrolment.</p> <p>Take all reasonable steps to comply with the policies and procedures of the TEC partnership.</p>
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3.	<p>Following full engagement in the programme, and upon its successful completion, students will:</p>
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Demonstrate critical understanding of the core competencies to achieve sustainable flexible solutions to solve complex problems by integrating strategies from across the discipline.

Be pragmatic using a systematic approach to solve complex problems by applying numerical, computational, analytical and technical skills, using appropriate tools within an Engineering context.

Critically evaluate the risk, cost, ethical, social, cultural, environmental, health and safety and wider professional responsibilities in world class Engineering.

Critically review employment opportunities within the engineering sector, and/or progress to higher education qualifications by balancing employability skills with academic attainment.

Continue progression towards achieving internationally recognised registration with a Professional Body regulated by the Engineering Council having initially registered as a student member.

Initiate and carry out individual research using appropriate Engineering techniques to plan and complete a viable Engineering related project/dissertation.

Observe sound engineering practices and work ethics in their outlook, be capable of team working, and be able to exercise responsibility and sound management approaches in the global environment.

Appreciate the nature of business and enterprise in the creation of economic and social value.

Qualities	Specific Requirements	Where demonstrated	E	D
Qualifications and Training	<p>A level 5 Higher National Diploma in Mechanical or Electrical & Electronic Engineering or equivalent is required in order to be accepted onto the degree programme.</p> <p>An equivalent qualification may include a Foundation degree programme with relevance to Engineering, Science or Mathematics.</p> <p>Students who have been out of education for a while and therefore do not have the current necessary academic skills will be required to undertake a bridging course before commencing the top-up programme.</p>	Application	X	
Specialist Knowledge	<p>Knowledge of the Engineering sector and its professional requirements.</p> <p>Considered specialist Engineering research or project topic in preparation for the dissertation/project.</p>	Interview	X	X
Experience	<p>Work in the sector on a paid or voluntary basis.</p> <p>Academic experience of producing essays, reports and other assignments up to Level 5 standard.</p>	Application and Interview	X	X
Skills and Attributes	<p>Experience in the use of numbers to analyse effectiveness of Engineering solutions.</p> <p>Ability to persevere 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 work with others at a range of tasks even where there is personal disagreement.</p> <p>Ability to work as an independent learner.</p>	Interview	X X X	X X X
Other	<p>Commitment to 39 hours a week studying</p> <p>Availability throughout the academic year and potentially the resit period.</p>	Interview	X X	

	<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>		X	X

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