HE07C Person Specification

TO BE SENT TO THE STUDENT IN ADVANCE OF INTERVIEW

Course Title	HNC Mechanical Engineering

1.	Course Details
	To be a student of TEC Partnership based at University Centre Grimsby studying the course HNC Mechanical Engineering validated by BTEC Pearson. The validation document which describes the programme is published on the TEC Partnership website University Centre Grimsby | HNC Mechanical Engineering and is version number Issue 7 You will be required to complete eight 15 credit modules. Engineering Design Engineering Maths Engineering Science Managing a Professional Engineering Project Renewable Energy Mechanical Principles Fluid Mechanics Fundamentals of Thermodynamics and Heat Engines If studied on a part-time basis you will study four 15 credit modules per year.

2.	Student Activities
	Complete academic work individually with guidance to answer questions and solve briefs; Work in diverse groups of students towards assessed work or otherwise; Work with computers and associated information and communication technology to communicate with others and complete assignment work; Attend sessions normally between 09:00 and 18:30 hours for any of the 5 days per week as specified on your timetable. Be available to attend industrial visits, conferences, lectures and sessions and complete work throughout the TEC Partnership Term Dates specified on the TEC Partnership website; To attend lectures and sessions on the specified days and maintain attendance above TEC Partnership expectations of 90%; 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; Have student finance or other means to pay for the course in place before enrolment;

	Take all reasonable steps to comply with the policies and procedures of TEC partnership.

3.	Following full engagement in the programme, and upon its successful completion, students will:
	The objectives of the Pearson BTEC Higher Nationals in Engineering are as follows: ● To provide students with the core knowledge, skills and techniques that all engineers require, irrespective of future specialism, to achieve high performance in the engineering profession. ● To build a body of specialist knowledge, skills and techniques in order to be successful in a range of careers in engineering at the Associate Engineer or Operational Engineer level. ● To develop the skills necessary to fault find and problem solve in a timely, professional manner, reflecting on their work and contributing to the development of the process and environment they operate within. ● To understand the responsibilities of the engineer within society, and work with integrity, regard for cost, sustainability and the rapid rate of change experienced in world class engineering. ● To provide opportunities for students to enter, or progress in, employment within the engineering sector, or progress to higher education qualifications such as degrees and honours degree in engineering or a closely related area, by balancing employability skills with academic attainment. ● To provide opportunities for students to make progress towards achieving internationally recognised registration with a Professional Body regulated by the Engineering Council. ● To allow flexibility of study and to meet local or specialist needs.

Qualities	Specific Requirements	Where demonstrated	E	D
Qualifications and Training	Level 3 in Electrical or Mechanical Engineering Or Two A levels (48 UCAS points) one of which must be in a relevant subject Or Engineering Industrial experience with GCSE in Mathematics and English (4 or above)	Application	X	
Specialist Knowledge	GCSE in Mathematics (STEM) or Maths entrance test	Interview	X	
Experience	Work in the sector on a paid or voluntary basis Academic experience of producing essays and other assignments to desirable standard	Application and Interview		X X
Skills and Attributes	Experience in the use of numbers to analyse effectiveness of a service Ability to persevere when faced with challenging circumstances Manage own time to work towards multiple tasks to meet multiple deadlines Ability to solve large and complex problems using engineering principles Critical thinking skills Ability to work with others at a range of tasks even where there is personal disagreement	Interview	 X X X X X	X
Other	Commitment to approximately 16 hours a week studying Availability throughout the academic year and potentially the resit period	Interview	X X	

	Knowledge about the use of Information Communication Technology to allow completion of an academic programme Student finance applied for or appropriate payment plan in place		X X	

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