

HE07C Person Specification

TO BE SENT TO THE STUDENT IN ADVANCE OF INTERVIEW

Course Title	HND General 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 HND General Engineering validated by BTEC Pearson.</p> <p>The validation document which describes the programme is published on the TEC Partnership website University Centre Grimsby HND Mechanical Engineering Programme and is version number Issue 7</p> <p>You will be required to complete six 15 credit modules and one 30 credit research project. It is assumed that you will have already completed an HNC in Mechanical Engineering.</p> <p>Professional Engineering Management Further Mathematics Advanced Mechanical Principles Thermofluids* Heating, Ventilation and Air Conditioning* Lean Manufacturing* Sustainability* Industrial Services* Research Project (30 credits)</p> <p>*Not all the listed modules may be offered during the course of study.</p> <p>If studied on a part-time basis you will study four 15 credit modules in the first year and three 15 credit modules & one 30 credit module in the final year.</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 18:30 hours for any of the 5 days per week as specified on your timetable.</p> <p>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;</p>
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	<p>To attend lectures and sessions 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 TEC partnership.</p>
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3.	<p>Following full engagement in the programme, and upon its successful completion, students will:</p>
	<p>The objectives of the Pearson BTEC Higher Nationals in Engineering are as follows:</p> <ul style="list-style-type: none"> ● 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	<p>Level 3 in Electrical or Mechanical Engineering</p> <p>Or</p> <p>Two A levels (48 UCAS points) one of which must be in a relevant subject</p> <p>Or</p> <p>Engineering Industrial experience with GCSE in Mathematics and English (4 or above)</p>	Application	X	
Specialist Knowledge	GCSE in Mathematics (STEM) or Maths entrance test	Interview	X	
Experience	<p>Work in the sector on a paid or voluntary basis</p> <p>Academic experience of producing essays and other assignments to desirable standard</p>	Application and Interview		X X
Skills and Attributes	<p>Experience in the use of numbers to analyse effectiveness of a service</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 engineering principles</p> <p>Critical thinking skills</p> <p>Ability to work with others at a range of tasks even where there is personal disagreement</p>	Interview	X X X X X	X
Other	<p>Commitment to approximately 16 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>		<p>X</p> <p>X</p>	
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Qualities identified and determined by: E = Essential D = Desirable