HE07C Person Specification

TO BE SENT TO THE STUDENT IN ADVANCE OF INTERVIEW

Course Title	HNC Engineering

1.	Course Details
	To be a student of TEC Partnership based at Scarborough TEC studying the course Engineering validated by Pearson. The validation document which describes the programme is published on the TEC Partnership website https://scarboroughtec.ac.uk/he-course/hnc-engineering/ A year of study consists of 120 credits, made up of mostly 15 credit modules, some of which are set by the exam board and the remainder chosen as specialist units by our experts at the college.

2.	Student Activities
	Complete academic work individual with guidance to understand and develop skills in engineering and related fields. Work in diverse groups of students with a collaborative spirit, with generosity of learning and respect. Act as a professional during the course, especially when working with equipment and machinery, or communicating with clients, colleagues and tutors. Attend sessions normally between 09:00 and 17:00 hours for any of the 5 days per week as specified on your timetable. Be available to attend 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 minimum 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:

	Develop a knowledge and critical understanding of engineering and its relevance to technological, economic and social progress, using application of understanding, knowledge, experience, skills and know-how to create social and economic value. Using a range of established techniques, critically analyse and evaluate the complete life cycle of a product, process or service, from conception through design and manufacture to decommissioning, recycling and disposal, understanding the constraints imposed by economic, legal, social, cultural and environmental considerations. Become fully competent in the relevant principles of science and mathematics and be able to communicate parameters, model and optimise solutions and apply the theories which underpin all engineering. Be proficient in realising a solution, using a range of disciplines to bring it into fruition and to create intellectual property, associating invention with commercial or social value. Demonstrate innovation and creativity to develop economically viable and ethically sound sustainable solutions to given client briefs and in different contexts. Develop an understanding of the nature of working for national and international organisations, and being part of global projects, with an appreciation for different cultures, ethics and working practices. Act as a professional who is pragmatic, taking a systematic approach to problem solving, and show integrity and determination when faced with complex challenges. Analyse and critically evaluate the risk, cost and impact of solutions to individuals, businesses and society when producing solutions, and seek sustainability where possible, with an awareness of ethical, social, cultural, environmental and safety issues. Think critically, analyse objectively and propose a persuasive case to move the situation forward, with sound literacy and numeracy to reinforce the logic and argument. Work independently and in teams demonstrating self-management, positive interactions and successful project management, effectively communicating information, arguments and analysis in a variety of forms to specialist and non-specialist audiences.

Qualities	Specific Requirements	Where demonstrated	E	D
Qualifications and Training	48 UCAS points, preferably from a related field of study, with a minimum of grade C/4 in GCSE or equivalent qualification in English and Maths. Students with non-standard entry qualifications will be assessed at interview and may be set an appropriate piece of work (an essay to test written skills, and a practical task)	Application Interview	X X	
Specialist Knowledge	Knowledge of what a career in engineering may involve	Interview	X	
Experience	Knowledge and skills gained from a minimum of relevant level 3 study and/or knowledge and skills gained from working in an engineering industry.	Application and Interview		X X
Skills and Attributes	Ability to understand, assimilate and apply learning An ability to clearly communicate through written and verbal methods 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 critical thinking skills, logic and creativity A professional attitude to sport and understanding of the importance of a healthy lifestyle	Interview	X X X X X X	
Other	A passion for engineering and an interest to learn a breadth of skills Commitment to 39 hours a week studying	Interview	X X	

	Availability throughout the academic year and potentially the resit period Student finance applied for or appropriate payment plan in place		X X	

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