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Pearson
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Dear James

Letter of support for the Pearson Level 3 Engineering qualifications

As an employer in the sector, we recognise the following qualifications as being fit for purpose:

Pearson BTEC Level 3 National Extended Certificate in Engineering
Pearson BTEC Level 3 National Foundation Diploma in Engineering
Pearson BTEC Level 3 National Diploma in Engineering
Pearson BTEC Level 3 National Diploma in Electrical and Electronic Engineering
Pearson BTEC Level 3 National Diploma in Mechanical Engineering
Pearson BTEC Level 3 National Diploma in Manufacturing Engineering
Pearson BTEC Level 3 National Diploma in Aeronautical Engineering
Pearson BTEC Level 3 National Extended Diploma in Engineering
Pearson BTEC Level 3 National Extended Diploma in Electrical and Electronic Engineering
Pearson BTEC Level 3 National Extended Diploma in Mechanical Engineering
Pearson BTEC Level 3 National Extended Diploma in Manufacturing Engineering
Pearson BTEC Level 3 National Extended Diploma in Aeronautical Engineering

The qualifications will support learners to progress to employment or within employment in a range of job roles across the industry, including Engineering Technician roles where a broad range of engineering skills and knowledge will be required including mechanical, electrical and manufacturing skills.

The following qualifications support a more general approach to engineering by allowing learners to develop a broad range of skills to meet individual employer needs which are often required for a small/medium sized business where employees may be required to be multi-skilled

Pearson BTEC Level 3 National Extended Certificate in Engineering
Pearson BTEC Level 3 National Foundation Diploma in Engineering
Pearson BTEC Level 3 National Diploma in Engineering
Pearson BTEC Level 3 National Extended Diploma in Engineering

These qualifications will support learners to become General Engineering Technicians and Fitters where an broad range of knowledge and skills in Electrical, Mechanical, Manufacturing and Computing Engineering including Welding, Modern Manufacturing Systems, Maintenance of Mechanical Systems, Electrical and Electronic devices, systems and circuits will be required. We particularly welcome the wide range of options available to learners for these qualifications, including Mechanical Behaviours of Metal Materials, Programmable Logic Controllers and Thermodynamic Principles and Practice as this will benefit them, by giving them the wide overview of the sector that we value. The Extended Certificate is ideal for learners who require additional knowledge and skills

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development, especially where an employee has been employed for a while and wishes to develop their skills to progress within the organisation, these would be employees who are employed in operative roles. The Foundation Diploma would be targeted at employees who have larger skills requirements or for potential employees who had been studying full time prior to joining the organisation and wished to become junior technicians. The Diploma is suitable for employees or potential employees who wish to become an engineering technician. The Extended Diploma is appropriate for employees who wish to become senior engineering technicians or develop themselves further with additional training and qualifications to become Engineers.

More specifically for the following qualifications, we acknowledge that these could lead to employment in specific occupations for that sub-sector.

Pearson BTEC Level 3 National Diploma in Electrical and Electronic Engineering
Pearson BTEC Level 3 National Extended Diploma in Electrical and Electronic Engineering

These qualifications will support learners to become Electrical and/or Electronic Technicians and Fitters where an in-depth knowledge of Electrical and Electronic devices, systems and circuits will be required. We particularly welcome the wide range of options available to learners for these qualifications, including Mechanical Behaviours of Metal Materials, Programmable Logic Controllers and Thermodynamic Principles and Practice as this will benefit them, by giving them the wide overview of the sector that we value. The Diploma is suitable for employees or potential employees who wish to become an engineering technician. The Extended Diploma is appropriate for employees who wish to become senior engineering technicians or develop themselves further with additional training and qualifications to become Engineers.

Pearson BTEC Level 3 National Diploma in Mechanical Engineering

Pearson BTEC Level 3 National Extended Diploma in Mechanical Engineering

These qualifications will support learners to become Mechanical Technicians and Fitters where an in-depth knowledge of Mechanical properties of materials (including metals, polymers and composites) as well fluid mechanics will be required. We particularly welcome the wide range of options available to learners for these qualifications, including Electrical Machines, Pneumatic and Hydraulic Systems and Additive Manufacturing Processes as this will benefit them, by giving them the wide overview of the sector that we value. The Diploma is suitable for employees or potential employees who wish to become an engineering technician. The Extended Diploma is appropriate for employees who wish to become senior engineering technicians or develop themselves further with additional training and qualifications to become Engineers.

Pearson BTEC Level 3 National Diploma in Manufacturing Engineering

Pearson BTEC Level 3 National Extended Diploma in Manufacturing Engineering

These qualifications will support learners to become Manufacturing Technicians and Fitters where an in-depth knowledge of Computer aided manufacturing; additive manufacturing and CNC machining processes will be required. We particularly welcome the wide range of options available to learners for these qualifications, including Electronic Devices and Circuits, Static Mechanical Principles and Practice and Computer Programming as this will benefit them, by giving them the wide overview of the sector that we value. The Diploma is suitable for employees or potential employees who wish to become an engineering technician. The Extended Diploma is appropriate for employees who wish to become senior engineering technicians or develop themselves further with additional training and qualifications to become Engineers.



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Pearson BTEC Level 3 National Diploma in Aeronautical Engineering

Pearson BTEC Level 3 National Extended Diploma in Aeronautical Engineering

These qualifications will support learners to become Aerospace/Aeronautical Technicians and Fitters where an in-depth knowledge of Airframe construction, propulsion and aircraft maintenance will be required. We particularly welcome the wide range of options available to learners for these qualifications, including Fabrication Manufacturing Processes, Analogue Electrical Circuits and Mechanical Behaviour of Polymer, Ceramic and Composite Materials as this will benefit them, by giving them the wide overview of the sector that we value. The Diploma is suitable for employees or potential employees who wish to become an engineering technician. The Extended Diploma is appropriate for employees who wish to become senior engineering technicians or develop themselves further with additional training and qualifications to become Engineers.

For such roles, we believe that these qualifications provide an appropriate level of knowledge and skills, meeting the needs of the sector and the individual, ensuring employees are appropriately skilled for the job and able to deliver to the standard that the sector expects.

The qualification will also support the individual, should they chose to progress in to further training

We are happy for Pearson to use this letter in support of its work with government and its agencies, to ensure that this invaluable qualification can continue to be recognised for college performance tables and 19+ funding.

Yours sincerely

Chris Keane
Apprentice Development Consultant