FAQs

Question	Answer
How does the BTEC prepare learners to understand the fundamentals in Robotics arm operation?	Please refer to slide 20 of the webinar presentation and to **Page 17 of the specification**.
As an engineering teacher without special technical knowledge of robotics, can I teach this?	Yes, the learner resources cover all the content, and we have devised a scheme of work to support teaching. We advise you acquaint yourself with the simulation/hardware prior to teaching.
How can you teach a blended approach using the software?	We have devised a scheme of work that you can use to structure teaching which shows opportunities for using the simulator/hardware, class discussion and introducing assessment.
Do you need the physical robotic arm EDo? If not, how do you use the RoboSIM?	The RoboSim is free to use and available from Comau to download. Links are provided in Learning Hub. The simulator can be used instead of the EDo hardware robotic arm, though this is available to purchase.
Do I need to teach all this content in the classroom, or can learners access the modules at home?	You can set Learning Hub content for home study. Learner access is available when you purchase your subscription to the platform.
How many Guided Learning Hours per unit?	There are 55 GLH for the whole award which are split between the 4 units according to the breadth/depth required.
Do you have to apply for approval if we are already an approved BTEC centre?	You will only need to apply to add the qualification to your registration, your regional development manager can help you with this.
How can I align the course and qualification with my current curriculum? For example, BTEC Level 3 Engineering or even academic subjects?	Please refer to **slide 19 of the webinar presentation**.

Question	Answer
How does the BTEC in Robotic Operations support learner understanding of robotic operations?	Although the qualification is centred around the Comau robotic licence, many of the fundamental concepts within are equally transferable to other robotic systems and other robot manufacturers. For example, the first slides of the initial online module discuss the physical arrangement of a robotic arm, together with an overview of the control unit and a teach pendant. These concepts are consistent with most other robot manufacturers and as such provide an excellent introduction to robotic operations in general.
How does this qualification support learner progression? Where could learners go next?	Specialist qualifications such as this are designed to complement the training and/or education which the learners are undergoing in other areas. For instance, this **Specialist Award in Robotic Operations** may be suitable for a factory maintenance engineer, who needs specific knowledge on the robots within the plant, to perform fault-finding operations and program testing. This could then form part of a formal training package for the existing workforce to undertake as part of their development. Alternatively, this Specialist Award in Robotic Operations may be suitable for an apprentice or graduate trainee who may be developing knowledge in Electrical/Electronic Engineering but does not yet have specialist robotics knowledge. The qualification can also sit comfortably aside an existing **Level 3 Engineering** course in schools or colleges, offering more specialist knowledge to complement the broader qualification.