

## Introduction

The Pearson BTEC Level 1/Level 2 First Award in Engineering provides an engaging, robust, broad-based introduction to engineering. It provides underpinning knowledge, understanding and practical skills that reflect the needs of employers and higher and further education professionals. It presents knowledge, skills and understanding in a meaningful work-related context, to allow learners to understand theory and application. The Pearson BTEC Level 1/Level 2 First Award in Engineering comprises core units that underpin the knowledge and skills that are valued in the engineering sector. One core unit focuses on essential knowledge, and the other core unit focuses on applying essential vocational skills.

**Unit 1 The Engineered World:** This is a core unit which focuses on a broad range of engineering sectors and is completed through an online exam worth 25% of the final grade. Unit 1 is allocated a minimum of 30 guided learning hours in preparation for the exam.

**Unit 2 Investigating an Engineering Product:** This is a core unit, which focuses on investigating an engineering product and is completed through four separate assignments totalling to 25% of the final course grade. All four assignments in this unit are taught over 30 guided learning hours.

**Unit 5 Engineering Materials:** This is an optional unit, which focuses on the mechanical properties of materials and is completed through two separate assignments totalling to 25% of the final course grade. Both assignments in this unit are taught over 30 guided learning hours.

**Unit 6 Computer-aided Engineering:** This is an optional unit which focuses on designing products using CAD and manufacturing products using CAM. It is completed through two separate assignments totalling to 25% of the final course grade. Both assignments in this unit are taught over 30 guided learning hours.

Although each unit is worth 25% of the final grade and carry a weighting of up to 24 credits each, the course does put more emphasis on the core units. To ensure a Level 2 Pass in the course you must achieve a minimum of 48 credits in total, with a minimum of 24 credits across the core units (Unit 1 and 2).

Level 1 Pass= 6 Credits

Level 2 Pass = 12 Credits

Level 2 Merit = 18 Credits

Level 2 Distinction = 24 Credits

In November 2020 Pearson announced changes to the course due to the Covid-19 pandemic. Following discussions with Ofqual and the Department for Education, Pearson decided the best approach to meeting the needs of students and mitigating any further disruptions was to wherever possible complete all core units (Unit 2 and Unit 1). In addition to this, Pearson suggested a reduction in non-core units, asking that centres only complete one of the optional units (Unit 5 or Unit 6).

Pearson state that in 2021:

- For internal assessment, the standards verification processes will continue.
- One of the optional units can be dropped where appropriate as less time will be available.
- Core units must be completed as a priority.
- The external exam unit will not go ahead in June 2021.

As the standards verification process will continue, all assignment-based units will be awarded as usual and will not require the use of CDG's. Unit 1, the external unit will not go ahead and will require a CDG. For this reason, it is important to note that the CDG process for this subject will be different to other subjects as students will not receive a grade based solely on the evidence throughout the year.

## Sources of evidence for Centre Determined Grades in BTEC Engineering

**Assessment point 1** = For students completing Unit 5, this assessment point will be based on students' performance in the Unit 5 LA.A assignment on the 27/11/20. This grade will be confirmed by Pearson after the standards verification process.

For students completing Unit 2, this assessment point will be based on students' performance in the Unit 2 LA.A assignment on the 22/09/20. This grade will be confirmed by Pearson after the standards verification process.

\*All assignment-based units will be completed under **medium control**.

**Assessment point 2** = For students completing Unit 5, this assessment point will be based on students' performance in the Unit 5 LA.A assignment on the 13/01/21. This grade will be confirmed by Pearson after the standards verification process.

For students completing Unit 2, this assessment point will be based on students' performance in the Unit 2 LA.B assignment on the 23/10/20. This grade will be confirmed by Pearson after the standards verification process.

\*All assignment-based units will be completed under **medium control**.

**Assessment point 3** = For students completing Unit 5, this assessment point will be based on students' performance in the Unit 5 LA.B assignment on the 22/02/21. This grade will be confirmed by Pearson after the standards verification process.

For students completing Unit 2, this assessment point will be based on students' performance in the Unit 2 LA.C assignment on the 22/01/21. This grade will be confirmed by Pearson after the standards verification process.

\*All assignment-based units will be completed under **medium control**.

**Assessment point 4** = For students completing Unit 5, this assessment point will be based on students' performance in the Unit 5 LA.B assignment on the 22/02/21. This grade will be confirmed by Pearson after the standards verification process.

For students completing Unit 2, this assessment point will be based on students' performance in the Unit 2 LA.D assignment on the 30/02/21. This grade will be confirmed by Pearson after the standards verification process.

\*All assignment-based units will be completed under **medium control**.

**Assessment point 5** = Standardised assessment materials provided by Pearson. Aimed to assess all covered content in unit 1. This assessment will be completed online using a mixture of multiple choice, short answer, and long answer questions to mimic the real exam environment. Students that receive additional time will be given appropriate extra time where necessary.

This exam will be conducted WB 19/04/21 under the same conditions as the real BTEC exam and will be completed under **high control**.

**Assessment point 6** = Standardised assessment materials provided by Pearson. Aimed to assess all covered content in unit 1. This assessment will be completed online using a mixture of multiple choice, short answer, and long answer questions to mimic the real exam environment. Students that receive additional time will be given appropriate extra time where necessary.

This exam will be conducted WB 26/04/21 under the same conditions as the real BTEC exam and will be completed under **high control**.