

## Product Design and Development Engineer Apprenticeship Standard

Product Design and Development Engineers work on all stages of product creation, product modification and product componentry. They support activities ranging on early concept feasibility, Computer Aided Design and other modelling, activities and stages through to final preparation for launch and customers. This includes working in concept studios, rapid prototyping, assembly, testing, validating and analysing performance. Typically they work closely with suppliers and managers in bringing new concepts to life or contributing to redesigns of existing products.

Delivery model and duration: Part time 5-year apprenticeship with first three years spent at Gloucestershire College and the remaining two years at UWE, Bristol. This can be supported by some remote delivery if required. Duration: 5 years.

Ideal for: • Product Design Engineer • Development Engineer • Product Developer • Manufacturing Engineer

The apprenticeship will cover the following core areas: • Systems Design • Dynamics, Modelling and Simulation • Structural Mechanics • Thermofluids • Applied Electrical Technologies • Engineering Practice • Engineering Project • A range of options in year 5

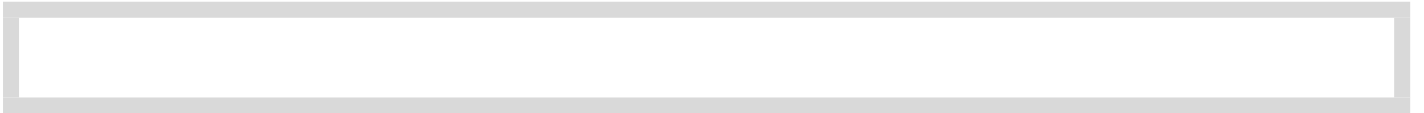
Benefits for learners: • Learn practical and logical approaches to problem-solving • Develop the ability to work well under pressure and take on new challenges • Gain project management skills and the ability to work to tight deadlines • Develop good commercial awareness

## Entry Requirements

Successful candidates typically have 5 GCSE's at Grade C/4 or above, including mathematics, English and a science, technology or engineering related subject, as well as A Levels at grade C or above in both a mathematical based subject and a science, technology, engineering or additional mathematics related subject, or 90+ credits in an Engineering BTEC

## What's Next

Completers may want to progress to Working towards Incorporated Engineer (IEng) status within the Institution of Engineering and Technology (IET) or Institution of Mechanical Engineers (IMechE) Masters qualification - Level 7



## Your Options

	Start Date	End Date	Course Level
<b>Product Design and Development Engineer Apprenticeship Standard (Part Time)</b>			
Cheltenham	TBC	TBC	6
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