

# Pearson BTEC Level 5 Higher National Diploma in Engineering (Mechanical Engineering)

**Course Code:** CM5PHNDM1

**Level:** 5

**Type:** Part Time, Higher Education

20/09/2027 - 23/06/2028 (VAR)

09:00 - 18:30

2 Year(s)

Cambridge Campus

£2745.00 per year (Subject to confirmation)

**Need to speak to us about a course?**

01223 226315

enquiry@camre.ac.uk

**Apply Here:**

https://www.camre.ac.uk/course/pdf/CM5PHNDM1/

This 2 year 1 day per week course is designed to provide:

- Training for technicians in design research, development and service support activities in Engineering, Manufacturing and Maintenance
- Progression to Engineering or Mechanical Engineering Degree Programmes.
- The language, knowledge and practical skills demanded in the Engineering Industry.
- Technical Certificate for the Higher Apprenticeship in Engineering.

Units of study include:

Year 1
Unit 35 Professional Engineering Management (15 credits)
Unit 36 Advanced Mechanical Principles (15 credits)
Unit 39 Further Mathematics (15 credits)
Unit 49 Lean Manufacturing (15 credits)

Year 2
Unit 34 Research Project (30 credits)
Unit 37 Virtual Engineering (15 credits)
Unit 64 Thermofluids (15 credits)

This is classed as a part-time course. On successful completion of this course, you will gain a BTEC Level 5 HND Diploma.
Home & EU students are eligible to apply for a part-time loan from Student Finance England.

**About the course**
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- Training for technicians in design research, development and service support activities in Engineering, Manufacturing and Maintenance
- Progression to Engineering or Mechanical Engineering Degree Programmes.
- The language, knowledge and practical skills demanded in the Engineering Industry.
- Technical knowledge for the Higher Apprenticeship in Engineering.

Year 1
5003 Manufacturing Principles,
5004 Virtual Engineering,
5006 Further Mathematics,
5016 Lean Manufacturing.

Year 2
5002 Principles of Engineering Management,
5005 Further Thermodynamics,
5015 Manufacturing Systems Engineering,
5023 Thermofluids.

This is classed as a part-time course. On successful completion of this course, you will gain a BTEC Level 5 HND Diploma.

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**Progression and career opportunities**

After completing the qualification, candidates will normally continue in employment as a skilled engineer and progress on to Engineering , Engineering Management or Mechanical Engineering degree programmes.

**Entry requirements**

Pearson BTEC Level 4 Higher National Certificate in Mechanical Engineering for England (HTQ).

- English and Maths GCSE at grade 9 - 4 (A* - C)

- Relevant employment or offer of employment.

**Assessment**

Assessment will be by case studies, assignments, presentations and problem solving.

**Disclaimer**

Whilst every effort is made to ensure the information is correct, some details may be subject to change. Cambridge Regional College reserves the right to make amendments to the courses, dates, fees or other details, and to make cancellations or changes if numbers are insufficient.