



CAMBRIDGE TECHNICALS IN ENGINEERING

Routes to Assessment

For Cambridge Technicals in Engineering, we have provided a wealth of flexible learning resources for all 23 units – just choose the resources you need.

Not only are OCR's learning resources flexible, but there is a variety of assessment routes available for the non-examined units (i.e. internal assessment by you, external moderation by OCR).



Examined by **OCR**

Non-examined,
internal assessment
by **you**, external

Unit 1 Mathematics for engineering

Unit 2 Science for engineering

Unit 3 Principles of mechanical engineering

Unit 4 Principles of electrical and electronic engineering

Unit 5 Electrical and electronic design

Unit 6 Circuit simulation and manufacture

Unit 7 Electrical devices

Unit 8 Electrical operations

Unit 9 Mechanical design

Unit 10 Computer Aided Design (CAD)

Unit 11 Materials science

Unit 12 Mechanical simulation and modelling

Unit 13 Mechanical operations

Unit 14 Automation control and robotics

Unit 15 Electrical, mechanical, hydraulic and pneumatic control

Unit 16 Systems and programming

Unit 17 Computer Aided Manufacturing (CAM)

Unit 18 Lean and quality

Unit 19 Inspection and testing

Unit 20 Business for engineering

Unit 21 Maintenance

Unit 22 Engineering and the environment

Unit 23 Applied mathematics for engineering

Further information:

www.ocr.org.uk/qualifications/cambridge-technicals-engineering-level-3/

For all units, deliver the learning – using:

- OCR's resources:
 - Project Approaches (contextualised holistic learning, for all units within a pathway, excluding examined units). Clear links to assessment activities as contained in the unit model assignments.
 - Delivery Guides.
 - Lesson Elements.
 - Resources Links.
 - Skills Guides.
- Centre's own learning resources

Assessment Route 1 (examined units) – using:

OCR-set timetabled exams (maximum one re-sit), two exams per year (January and June)

Assessment Route 2 (non-examined units) – using:

OCR's unit model assignments for assessment

Assessment Route 3 (non-examined units) – using:

Centre-set assignments for assessment

or

Employer-set assignments for assessment

(NB, if for mandatory units, use OCR's free assessment assignment checking service)
www.cpdhub.ocr.org.uk/DesktopDefault.aspx?e=fjefcbdbhgnidcpoonia&CATN_ID=3



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