

Engineering English Vocabulary

(EEV-104)

MARBELLA INSTITUTE OF TECHNOLOGY

Course Utility

Engineering English Vocabulary is for engineering students and engineers who need to use English at work.

Suitable for Intermediate to Upper Intermediate level learners of English (CEF B1-B2), gaining proficiency thru practice and exercises in technical fields.

Course Purpose

Engineering English Vocabulary provides vocabulary reference and practice, covering the essential technical English that all engineers need, as well as high-priority terminology for mechanical, civil and electrical engineering. Topics include Design, Materials Technology, Manufacturing and assembly and dynamic principles.

Method of study

Learn new words and expressions by taking part in activities that develop understanding of technical language.

Practice the vocabulary and expressions that you learn and relate the to your own work or studies.

We use authentic texts, real companies and credible scenarios to present the vocabulary, which ensures maximum practicality for engineers.

Periodical valuation tests will monitor the progress of each student

Text Book

'Cambridge English for Engineering' is authored by a qualified engineer with professional experience in both engineering and English language teaching. You can trust this book to provide the specialist vocabulary that engineers really need.

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COURSE OUTLINE

Design

Class

- 1 Drawings
- 2 Design development
- 3 Design solutions

Measurement

Class

- 4 Horizontal and vertical measurements
- 5 Locating and setting out
- 6 Dimensions of circles
- 7 Dimensional accuracy
- 8 Numbers and calculations
- 9 Area, size and mass
- 10 Measurable parameters

Materials Technology

Class

- 11 Material types
- 12 Steel
- 13 Non-ferrous metals
- 14 Polymers
- 15 Minerals and ceramics
- 16 Concrete
- 17 Wood
- 18 Material properties 1
- 19 Material properties 2
- 20 Forming, working and heat-treating metal
- 21 Material Formats

Manufacturing and assembly

Class

- 22 3D component features
- 23 Machining 1
- 24 Machining 2
- 25 Interconnection

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- 26 Mechanical fasteners 1
- 27 Mechanical fasteners 2
- 28 Non mechanical joints 1
- 29 Non Mechanical joints 2

Static and dynamic principles

Class

- 30 Load, stress and strain
- 31 Force, deformation and failure
- 32 Structural mechanics
- 33 Motion and simple machines
- 34 Moving parts

Energy and temperature

Class

- 35 Energy
- 36 Heat and temperature

Fluids

Class

- 37 Fluid containment
- 38 Fluid pressure
- 39 Fluid dynamics

Mechanisms

Class

- 40 Engines and motors
- 41 Transmission 1
- 42 Transmission 2

Electricity

Class

- 43 Current, voltage and resistance
- 44 Electrical supply
- 45 Circuits and components