

*Eurospeak's **English for Specific Purposes: Engineering** course is suitable for students interested in a career in engineering. Eurospeak's **ESP Engineering** gives students the language, information, and skills they will need for a career in the Engineering industry.*

A highly communicative course, Eurospeak's ESP Engineering provides students with functional language to use in a variety of work scenarios. It develops the vocabulary, language, and skills that students need for use in a range of different types of engineering, including Mechanical, Electronic, Electrical, Design, Civil & Structural, Aerospace, and Materials, with a special focus on number work throughout. It provides students with authentic articles and exercises that teach language in context, and are relevant to the workplace.

The course is available for students of level B1+

Eurospeak's **ESP Engineering** comprises 120 hours of training (4 weeks) and allows students to:

- ✓ Improve their general English
- ✓ Learn the professional language they need to communicate effectively in professional contexts.

On successful completion of the course, you will be awarded the Eurospeak **ESP Engineering** certificate.

Course Components

Language Development (60 hours – morning sessions)

Learners study the English language in a variety contexts and learn to use English with greater fluency, accuracy and confidence.

Module Objectives

- ✓ Improve the trainees' knowledge and understanding of the English Language.
- ✓ Develop their own reading, writing, speaking and listening skills.
- ✓ Develop their ability to use English in a variety of contexts.
- ✓ Allow them to become more fluent and confident in their use of English.

Module Content

Depending on the trainees' level of English. A2 to C1 options available.

Proficiency Objectives:

- ✓ A2 - Learners are able to deal with everyday situations with predictable content, produce brief everyday expressions about personal details, daily routines, wants and needs, requests for information and use simple sentence patterns to talk about themselves and other people, what they do, places, possessions etc.
 - ✓ B1 – Learners are able to enter unprepared into conversation on familiar topics, express personal opinions and exchange information on topics that are familiar, of personal interest or pertinent to everyday life.
 - ✓ B2 – Learners are able to participate in standard interaction likely to be encountered in social, professional or academic life, identifying speakers' viewpoints and attitudes as well as the information content.
 - ✓ C1 – Learners are able to participate in a range of discussions and interactions on complex points identifying subsidiary points, reasons and relevant examples and finer points of detail including implicit attitudes and relationships between speakers.
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English for Specific Purposes (60 hours – afternoon sessions)

Learners study the language and strategies they need to communicate effectively in professional contexts.

Module Objectives

- ✓ Develops the vocabulary, language, and skills that students need to understand the industry.
- ✓ Apply this knowledge to practical situations in a range of different types of engineering,

Module Content (B1+)**1 Engineering**

- Choosing a career in engineering, subjects within engineering

2 Design and Modelling

- Discussing a prototype, calculations, computers in design and modelling

3 Measurement

- Weights and measures, inspection and quality control, units and measurements

4 Strength and Stiffness

- Numbers, talking about forces and stress, test processes, testing strength and stiffness

5 Movement

- Thrust, speed, velocity and acceleration, technical specifications

6 Electricity

- Resistance, electrical safety, warnings and instructions

7 Electronics

- Capacitor ratings, small numbers, diodes, LEDs and transistors

8 Computing and Logic

- Decimal and binary systems, logic gates, networks

9 Materials

- Strength, stiffness and toughness, stress-strain curve

10 Air and Water

- Units of pressure, building under the sea, pumps and compressors

11 Heat

- Saying temperatures, power stations, engine cycles

12 Light and Sound

- Frequency and wavelength, lasers, parabolic energy

13 Manufacturing

- Cost engineering, the manufacturing process

14 Codes and Standards

- ISO strength rating, comparing codes, certifications

15 Helping to save the planet

- Explaining trends, the greenhouse effect, carbon storage, the carbon cycle

