KKCL ENGLISH

telc LANGUAGE TESTS

TECHNICAL ENGLISH FOR ENGINEERS

Technical English for Engineers

Engineers are highly skilled, knowledgeable people; yet communicating their expertise in English often proves to be a deeply frustrating experience that prevents both students and workers from publishing in journals, participating in conferences and communicating effectively with fellow professionals.

Our Technical English for Engineers course focuses on the communication skills required to work effectively with people in an international environment in areas such as problem-solving, team coordination and project management.

The structure is an intensive 6 week course which consists of one independent module per week. This system is very flexible and allows the students to enter the course on any Monday.

The course also prepares students for the TELC Technical B2 certificate. This widely recognised certificate is offered exclusively in the UK by KKCL and tests the student's English competence at an advanced level in technical areas such as chemistry, electronics, communication technology, mechanical engineering and energy and the environment. The emphasis of the exam is on communicative ability and real-world functions, meaning that the certification is a truly reliable confirmation of English ability.

Course Options:

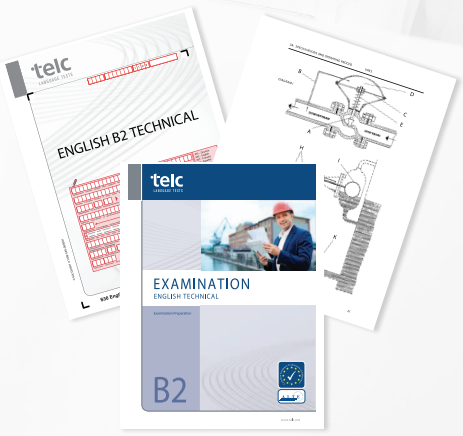
- **Part-Time** (15 hours per week) - Our standard Technical English for Engineers course provides three-hour lessons every day from Monday to Friday, with one fifteen-minute break. As part of the course, students are prepared for the TELC Technical B2 Exam, as well as covering topics as diverse as formal and technical writing, understanding technical texts and practising situational grammar
- **Full-Time** with General English (30 hours per week) – The more intensive version of the course combines our standard Technical English for Engineers course preceded by level-specific General English each morning. The skills and knowledge gathered in these General English sessions can then be used as the base on which to build the specific technical knowledge of Engineering later in the day.

Program Details:

Level required: B1 or higher
Lessons: 15 hours p/w (PT) - 30 hours p/w (FT)

Timetable / Class size:
General 09.00 – 12.15 / 15 Max
Technical 13.00 – 16.15 / 6 Max

Duration: from 1 week up to 6 weeks



Core Modules

Each module takes one week, and is focused on giving the student the language required to function in the essential areas of Engineering. Below is a list of topics which will be used as the basis for in-class learning.

1 Measurement and Materials Technology

- Tools
- Standards and regulations
- Measurement (Decimal and Imperial units, length, weight, temperature, electricity, light, resistance, endurance, sound, pressure, deformation)
- Describing material types, properties and treatments

Project: Pitch materials and specifications for a new product

Practical Task: Dual phone conversations (supplier: purchase materials to build a final item) for instance iron sheets to build some furniture made of steel with some specific composition, amount, shape.

2 Design and Technical Development

- Collaborative development: objectives, problems and solutions
- Design solutions
- Drawings: types, scales and views
- Needs-analysis, brainstorming and drafting
- Modeling and simulation
- Technical requirements

Project: Create a design and specification for an identified need.

Practical Task: Pitching a product to the group from an initial design.

3 Manufacturing and Components

- Factoring Machines: cutting, bending, drilling
- Fasteners and Joints
- Machining and Fabrication
- Assembling components: welding, clinching and adhesive technologies
- Mechanical and Electrical Installations, systems and processes
- Renewable Energies (Solar panels, biogas, cogeneration)

Project: Create an operational manual

Practical Task: Give instructions to a co-worker about a process.

4 Project Management

- Project management methodology
- Project planning and logistics
- Deliverables and milestones
- Communication and task delegation
- Language for assessing feasibility and ideas

Project: Create a project plan

Practical Task: review a project which is in process but experiencing problems.

5 Client and Supplier Relationships for Technical Staff

- Features, Advantages and Benefits (strengths and weaknesses)
- Company communication flow: Face-to-face, telephone, email
- Suppliers: negotiation, pricing, delivery options, cost analysis.
- Customers: Quoting, negotiating and closing the deal.
- Simplifying and explaining technical drawings

Project: Create a sales plan for a product and apply it.

Practical Task: Responding to customer requests for advice and information.

6 Maintenance and Troubleshooting

- Identifying problems
- Discussing repairs and maintenance
- Test sessions
- Health and Safety (writing reports and assessments)
- Cost effectiveness
- Risk management and Reliability Engineering

Project: Develop a health and safety plan.

Practical Task: Assisting a client with a problem over the phone.

KKCL ENGLISH

- ✓ For professionals that want to work in an English speaking country or in an international company.
- ✓ For those who want to develop an international career.
- ✓ For students that want to start studying Engineering at a University in an English speaking country
- ✓ Students that complete 6 modules can take the TELC exam for free.

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