



## BSOL Academic

Enabling tomorrow's professionals today

**bsi.**

...making excellence a habit.™

# Introduction

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Since 1901, BSI has been making excellence a habit in the workplace. As the first National Standards Body, BSI has originated many of the world's most widely adopted standards, including ISO 9001 and ISO 14001. We do this through our extensive links with industry and working with thousands of independent experts on a global scale. Together, we shape standards of excellence across products and business processes.

Now, your researchers and students can access the same high-quality information that drives industry, helping them to develop a deeper understanding of the impacts of standards and the solutions they provide to many of today's economic and societal issues.

Access to standards will provide your students with an excellent technical knowledge of their subject and help to establish them as the next generation of experts and specialists.

What's more, producing outstanding students consistently perceived as being able to apply knowledge and identify, formulate and solve problems will also enhance your institution's reputation and ranking, helping to secure its long term success.



# Developing Standards

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The standards included in BSOL Academic are in use by over 90,000 sites across 150 countries. They influence best practice on a world-wide basis. BSOL Academic covers different types of standards to give access to a wide scope of information to deepen subject knowledge.

## These include:

### British Standards (BS)

British standards are created in conjunction with qualified and experienced people who are brought together by BSI to form committees. They are automatically adopted by all British companies.

### European Standards (EN)

EN standards are developed by relevant CEN Technical Bodies or Technical Boards. Once published, EN standards are given the status of national standard in all EU member countries and override any similar national-level standards that may be in place.

### International Standards (ISOs)

ISO International Standards provide a globally consistent approach to the safety, reliability and quality of products and services. They help businesses access new markets and support fair trading on global basis.

### Country-specific standards (including ASTM, DIN, AFNOR)

These are developed in response to specific quality control measures as identified by individual countries. Companies operating within those countries are obliged to adopt these standards.

## BSOL Training team

On hand to help you with your specific training needs.

They are available to help you either over the phone, online (via webinars) or to visit your institution.

Call +44 845 086 9001  
or email [subscriptions@bsigroup.com](mailto:subscriptions@bsigroup.com)

# What are standards?

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Standards impact almost every aspect of our world; from the quality of the water we drink to the way the food we eat is prepared, from the shape and size of our credit cards to the levels of service received in our banks, and from the materials used to make cars or aircraft to the width of railway lines. They are the building blocks of daily life.

In its most basic form, a standard is an agreed way of doing something. It could be about making a product, managing a process, delivering a service or supplying materials.

**Standards cover a huge range of activities undertaken by organizations, for example organizations might use:**

- a quality management standard to help them work more efficiently and reduce product failures
- an environmental management standard to help reduce environmental impacts, reduce waste and be more sustainable
- a health and safety standard to help reduce accidents in the workplace
- an IT security standard to help keep sensitive information secure
- an energy management standard to help cut energy consumption
- a food safety standard to help prevent food from being contaminated



**84%** of companies say that using standards enhances their reputation



**37.4%**

of UK productivity growth can be attributed to standards



**50%**

of companies say standards encourage innovation through diffusion of knowledge



**89%**

of companies say that standards contribute to the optimization of compliance with regulations such as health and safety legislation

## About BSOL Academic

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BSOL Academic is a key resource for all your institution's departments. It includes over 50 subject modules covering all disciplines from management, law, finance and technology to food, transport, energy, textiles, sciences and healthcare.

No other standards database offers the breadth and depth of information contained in BSOL Academic. Developed by BSI, the world's first and oldest National Standards Body, this unique resource offers a quality of information that is second to none. As well as standards developed by BSI, BSOL Academic includes standards from leading European and international standards development organisations including ISO, CEN, CENELEC and IEC. All the most widely adopted standards are included alongside documents specific to individual countries and industries to help students compare and contrast information.

### **BSOL Academic provides:**

- Complete access to key standards information, applicable for all your library users
- Full text access to over 90,000 adopted standards and best practice guides
- High quality, trusted information developed by prestigious and influential organisations including BSI, the first National Standards Body, and leading standards development organisations including ISO, IEC, CEN and CENELEC
- Comprehensive coverage of information spanning all subject areas
- Daily updates for access to the latest best practice
- Current standards and standards that have been withdrawn or are under review
- Ability to set up notification alerts to track changes to standards



### Available through library discovery tools

BSOL Academic and its content is indexed by the following discovery tools: EBSCO Discovery Service (EDS), Ex Libris Primo and The Summon Service (ProQuest). These products offer seamless searching across library collections with links through to full-text for those educational establishments that have a BSOL Academic subscription.

 **EBSCO** Discovery Service

 **Ex Libris**  
Primo

 **Summon**<sup>®</sup>

# Using standards in teaching and learning

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With BSOL Academic, you can help prepare your students for life beyond university. While academic journals, books and databases deliver primary research that underpins theory, standards help students to put this research into context and develop a better knowledge of their subject area.

Whatever their chosen discipline, the ability to interpret and apply standards information is a skill every university student should have. Whether they are training to be engineers, accountants or aiming to influence climate change policy, understanding how best practice knowledge can be applied is an essential requirement that will improve your students' employment opportunities.



## Access to the Knowledge Centre

A team of professional researchers are on hand with access to standards from all over the world.

If you need to know what standards your course leaders need to know about we can help.

Call +44 845 086 9001 or email [subscriptions@bsigroup.com](mailto:subscriptions@bsigroup.com)

# Standards can be used in the classroom in a variety of ways ...

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.. and some examples might include:

## Civil Engineering

A group of students are tasked with designing a basic bridge as part of their course. Using BSOL, they can explore different options to solve design problems in an innovative yet practical way.

For example, they can trace historical approaches to bridge construction by reviewing early standards that specify the use of steel; they can see how the evolution of man-made materials such as concrete, asphalt and composites have enhanced modern bridge design and they can explore wiring regulations for information on lighting and electrical requirements.

## Financial Services

A business student is tasked with developing a paper that explores the different standards that apply to the financial sector. These might range from security systems, implementing a public key infrastructure to support electronic transactions, protecting customer information, establishing a corporate social responsibility policy through to following best practice for staff and customer relations.

Students can use BSOL Academic to identify the relevant standards, learn about their importance and assess their impact on the globalisation of the industry.

## Textiles

A fashion student experiments with different types of materials in order to create an innovative new garment. As well as ensuring the materials meet all relevant safety regulations, the student will need to consider societal issues such as sustainability and adhering to consumer rights legislation.

With BSOL Academic, the student can find out how to conduct tests to measure shrinkage of materials, flammability and colour fastness as well as learn about requirements for labelling and packaging of garments

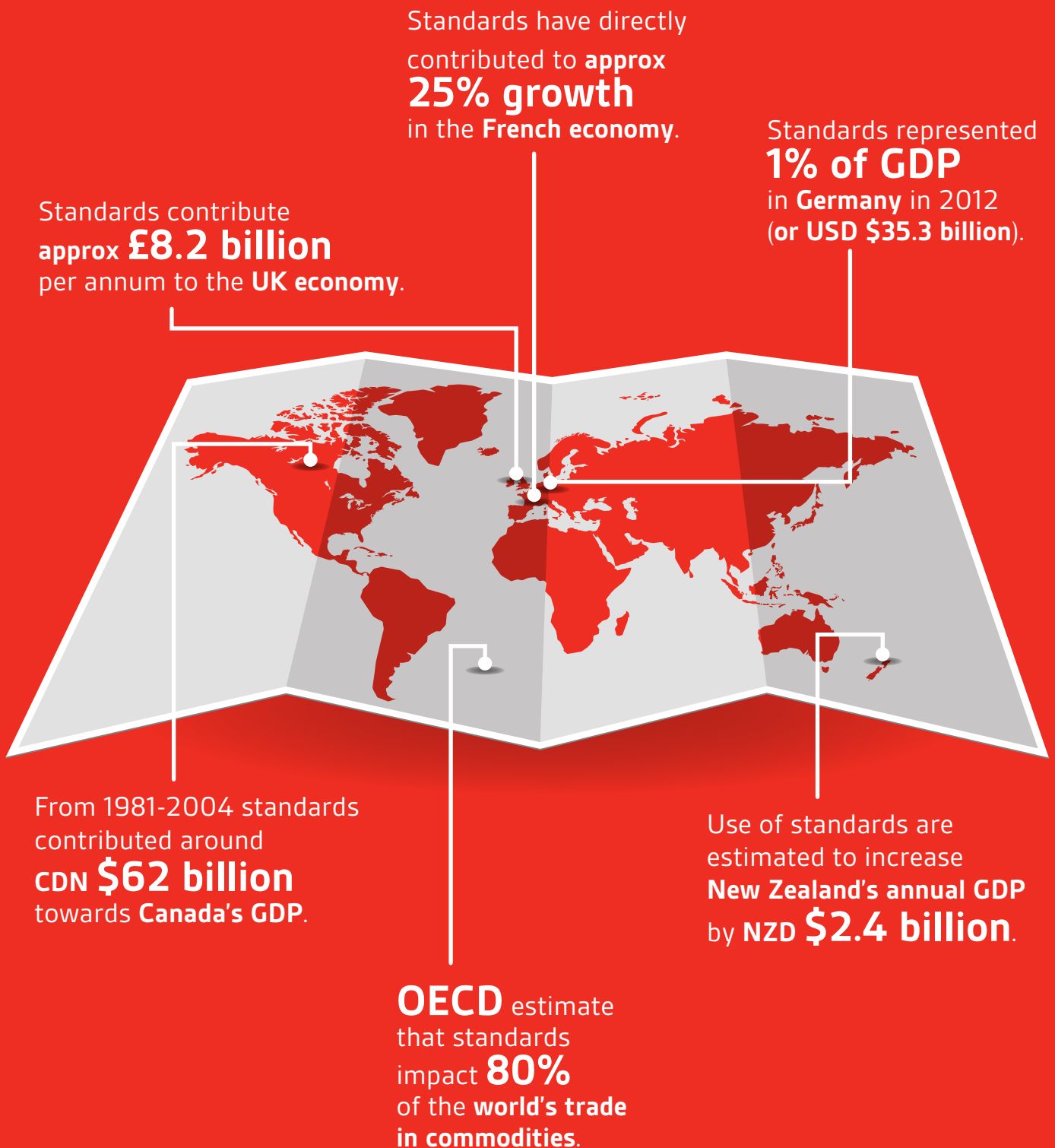
**As well as understanding practical implications, reference to standards while studying also helps students to:**

- Develop an awareness of guiding principles for chosen fields of employment – demonstrates student's knowledge of the principles for their field of employment
- Understand the importance of adhering to guidelines – illustrates to students that for most tasks, there will be a tried and tested way of doing something that is in place universally and is proven to give consistent results
- Understand the role that professional associations and organisations play in standards development – and how being involved with these groups at an early stage helps further subject knowledge and potentially improve employment opportunities





# Global Economic Impacts of Standards



# BSOL Modules

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BSOL covers all industries and sectors. It is relevant to virtually all courses, which makes it invaluable to both your students and academics. Below is a complete listing of all the modules within the complete collection. Other tailored packages are available on request.

01 Documentation	20 Electric Lamps, Power Generation, Distribution & Storage	39 Mining & Petroleum Technology
02 Information & Finance	21 Electronic Components & Devices	40 Metallurgy
03 Vocabularies	22 Electromechanical Components	41 Metal Products
04 Management, Law & Quality	23 Telecommunications	42 Wood Technology
05 Sciences & Healthcare	24 IT Software & Networking	43 Glass & Ceramics Industries
06 Environment & Waste	25 IT Hardware & Office Machines	44 Rubber Industry
07 Occupational & Personal Safety	26 Image Technology	45 Plastics Industry
08 Fire, Accident & Crime Prevention	27 Road Vehicle Engineering	46 Paper Products & Technology
09 Metrology	28 Railway Engineering	47 Paint & Colour Industries
10 Testing	29 Shipbuilding & Marine Structures	48 Construction in General
11 Screw Threads & Fasteners	30 Aircraft & Aerospace Engineering	49 Building Materials & Components
12 Mechanical Systems & Components	31 Materials for Aerospace Construction	50 Building Installations & Finishing
13 Fluid Systems & Components	32 Aerospace Components & Fasteners	51 Civil Engineering
14 Manufacturing Engineering	33 Materials Handling Equipment	52 Domestic Equipment & Appliances
15 Metal Treatment & Welding	34 Packaging & Distribution	53 Sports Equipment & Entertainment
16 Energy & Heat Transfer Engineering	35 Textiles, Leather & Clothing	71 BSI Books - Management, Quality & Risk
17 Electrical Engineering General	36 Agriculture & Agricultural Engineering	72 BSI Books - ICT & Informatio Governance
18 Electrical Components	37 Food Technology	73 BSI Books - Construction & Fire
19 Electrical Accessories, Switchgear and Controlgear	38 Chemical Technology	81 Wiring Regulations collection

## How to get started

If you'd like to find out how BSOL can help your organization, or request a no-obligation quote or demo:

Visit [bsigroup.com/BSOL](https://bsigroup.com/BSOL)

Call **+44 845 086 9001**

Email [BSOLsales@bsigroup.com](mailto:BSOLsales@bsigroup.com)

Office hours: Monday to Friday 09:00-17.00 (UK time)

