



BSOL Academic

Empowering future professionals today

bsi.

...making excellence a habit.™

Introduction

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.

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.
- Understand the importance of adhering to guidelines.
- Understand the role that professional associations and organisations play in standards development.

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.



What are standards?

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 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.**

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 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 that may be in place.

International standards (ISO)

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 and IEC)

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.



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



Standards contribute to the global economy of which the UK's economy benefited from

£8.2bn

About BSOL Academic

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, ASTM, 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, ASTM, 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**[®]

The value of BSOL Academic

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.

The figures below reflect the value of BSOL Academic to universities throughout the UK.

Total value of standards
downloaded by UK universities

£45,776,573.43

Average value of standards
downloaded per university

£704,254.98

Total number of
standards accessed

640,557

Average number
of standards
accessed
per university

10,009

Average saving per university

£698,207.90

Average number of
logins per university

3,547

Total number
of BSOL logins

226,998



Remember – you can **save 50%** on your subscription by becoming a BSI member

Find out more and subscribe to BSOL Academic visit
www.bsigroup.com/bsol-academic-uk
or call **+44(0) 345 086 9001**

* All statements refer to academic year 2014-2015

Quick-start guide to BSOL Academic

Basic or Simple Search

Search for standards by keyword, phrase or number using Basic or Simple search. The auto-suggest feature will suggest possible phrases or keywords to consider based on your search term(s).

Advanced Search

For more complex searches, use Advanced Search. Here you can combine a number of options to pinpoint the standards you need. Search fields include Status of a standard (e.g. amended, new, reinstated, withdrawn, other), Publication date, Update type (which relates to the status of a standard within BSOL and not the publication status of the standard), ISBN, Module (BSI's classification for standards) and ICS Category (international classification system for standards).

Filtering Results

From your results list, you can choose to filter records by Status, ICS Category, Module, Industry Sector, or Standards Committee. Click on a filter to open the options menu. You can also search within your results list for a more focussed set of records.

Viewing Standards

You can view standards documents in your subscription using the in-browser Quick View option, which opens the document without leaving your web browser, or you can download it to view with PDF viewers such as Adobe Acrobat Reader. Icons for each viewing option are displayed next to each record in your results list.

Bibliographic Data

The bibliographic data page provides details about the standard document including documents replaced by and replacing the standard, amendments, cross-references contained in the standard, publication and withdrawal dates, keywords, module number and ICS codes.

To open the bibliographic data for a standard, select the standard number or the View details link.



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(0) 345 086 9001
or email subscriptions@bsigroup.com

Using standards in teaching and learning

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.

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.

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



Teaching Excellence

BSI offers free guest lectures for mainly postgraduate students to raise awareness of industry standards and help students with their studies and future careers. Traditionally, these lectures are delivered by a member of staff from BSI and potentially by industry experts from standards committees. These sessions can be tailor-made to better suit your needs and programmes curriculum.

There are some examples of lectures we have done so far:

"Knowledge of sustainability related standards are essential for students going to work in sustainability related areas in consultancies or large companies. Students find reading the standards tedious but the discussions and lectures are useful. Overall they see the module as essential for their future careers."

William Young

Professor of Sustainability & Business



UNIVERSITY OF LEEDS

"Approach from tutors is interesting and the variety of guest lectures facilitates improving student knowledge of practical possibilities.

Programme is very useful and beneficial with lectures and presentations being well organised and interesting along with tutors being well supportive and approachable."

Dr Jason Underwood

Senior Lecturer

MSc. BIM & Integrated Design, Postgraduate course

**University of
Salford
MANCHESTER**

"It's a fantastic arrangement, because students get to appreciate standards from a general perspective, which gives them the opportunity to prepare more specific questions for when BSI staff visit.

The lectures have been very well received and that's certainly been backed up by the highly positive feedback students have given."

Dr Eujin Pei

Senior Lecturer

*BA / BSc / MDes Product & Furniture Design,
Undergraduate and Postgraduate course*



Book your free lecture

Let us know if you would like to invite us to host a lecture or discuss your specific needs

Call **+44(0) 345 086 9001**

Email **marketing.services@bsigroup.com**

Global Economic Impacts of Standards



BSOL Modules

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

New ASTM and ISO standards can be added to your collection. **Call to find out more.**

“Efficient service that provides our business with relevant technical information at a time we need it, our twelfth man.”

Matthew Charlton, Applications & Development Engineer,
Weir Valves & Controls UK Ltd

“It’s just one minute to find it, download it, and it’s there on your desktop.”

Craig Ashbridge, Engineering Manager, Pulse Home Products

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

Call **+44(0) 345 086 9001**

Email BSOLsales@bsigroup.com

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