

Faculty of Engineering



UNIVERSITY OF LEEDS



Materials Science Undergraduate Courses

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Image accreditations
page 8, football boots, Adidas

Materials Science

Materials Science is an exciting and ground breaking discipline that builds upon the physical and biological sciences and mathematics. It is concerned with the wide variety of both natural and synthetic materials used in engineering, sport and medical applications, which includes metals, alloys, ceramics, semiconductors, polymers and glasses, as well as composites and devices made from these materials.

Today, most materials are the results of chemical and physical processes which are applied either to naturally available raw materials or some form of reclaimed or recycled waste. Understanding the relationship between the way in which the material is processed and the structure (even down to the atomic scale), properties and performance of the resultant material or component, makes it possible to improve the properties of conventional materials or to create and engineer new materials for innovative and demanding applications. It is these processes, together with the operations used to convert the primary materials into usable and saleable products, and the optimum use of materials in specific design applications, that are the prime concern of the materials scientist and materials engineer.

The availability of raw materials have given rise to major industrial and technological advances. For example, high strength steels in construction, semiconductors in electronic devices, optical fibres in telecommunications, strong, and lightweight materials in sport and bioactive materials in medicine and dentistry, have all had a major impact on society. The emerging field of product design relies heavily on the application of both conventional and novel materials in a ergonomic and artistic manner. Whilst the new industrial revolution of nanotechnology depends on understanding how materials can be engineered from the “bottom up” and in appreciating what the likely properties of miniaturised materials components will be.

Clearly, materials makes a vital contribution to all areas of science, engineering and technology and life in general. There will always be a demand for better, cheaper and more environmentally friendly materials, ensuring challenging, rewarding and well-paid careers for qualified materials scientists and engineers.



Why Leeds?

Leeds has a long and distinguished history of materials teaching and research spanning over 100 years. Many internationally renowned materials scientists and engineers are, and have been associated with the University.

We offer three degrees in materials science and engineering:

- **Materials Science and Engineering (BEng/MEng)**
- **Sports Materials Technology (BSc)**
- **Biomaterials (BSc)**

All three courses are accredited or undergoing retrospective accreditation by the relevant professional institute and therefore once you graduate you can apply for Chartered Engineer (CEng) status. The School acts as a regional centre for activities organised by the relevant professional bodies, giving you access to various talks, lectures and seminars, keeping you up to date with the professional world.

Our Credentials

Materials at Leeds has an extremely active and well funded research profile, recognised both nationally and internationally. Staff in the School achieved one of the highest ratings (5) in the recent UK Government Research Assessment Exercise (RAE). The RAE is a recognised mechanism for evaluating the quality of research in higher education. This means that not only are we able to attract the best staff and invest in excellent laboratory facilities, but that our courses are at the forefront of thinking in the field as we go to great lengths to ensure that this cutting-edge research feeds directly into our teaching. We believe that this active research environment is vital in achieving the highest calibre tuition in the field of materials engineering.

First Class Facilities

The majority of teaching takes place within the School of Process, Environmental and Materials Engineering (SPEME), one of the five schools which make-up the Faculty of Engineering. Based in a self-contained building the School offers a pleasant and friendly environment for study, with central University facilities (including the Students' Union) just a few minutes walk away. Facilities for materials students include:

- excellent lecture and tutorial facilities;
- dedicated laboratories for materials practicals containing modern state-of-the art equipment used in both teaching and research;
- integrated computer based learning resources.

University-wide, the University of Leeds has one of the highest ratios of computers to students in the UK and includes computing clusters with 24-hour, seven days a week provision. The University Library is one of the largest in the country with over 2.7 million items and the Library's website provides access to electronic resources, including networked databases and electronic journals.

A recap of the benefits to you...

- your University of Leeds degree will be recognised and respected throughout the world;
- you will be taught by world-class research-active staff who are at the cutting-edge of their field;
- you will have access to state-of-the-art technology;
- you will develop skills that are highly sought after by industry;
- you will be a part of a friendly, supportive School within a large multicultural University.



Teaching & Assessment

We have an integrated approach to teaching and learning, combining and tailoring a number of teaching and assessment techniques in the most effective way for each subject area. Lectures and problems-classes are the primary form of teaching and these are underpinned by small-group tutorials that allow detailed discussion and understanding of lecture and laboratory material. Laboratory classes provide practical hands-on experience and allow the material studied in lectures and tutorials to be investigated and applied in a real-world context. Throughout the course there is an emphasis on acquiring transferable skills, together with developing abilities in presentation, both oral and written. We take every effort to ensure that our courses meet the needs of students as well as equipping them for a successful career.

The year is divided into two semesters and you study for 120 credits each year. A single module can be worth between 10 and 40 credits. A 10 credit module is equivalent to 75 hours of student workload and typically involves 2 lectures per week. All lectures are supported by small group tutorial and laboratory classes and by computer-aided learning facilities. The results of continuously assessed course work, undertaken both individually and in groups, throughout the year are generally combined with the results of written examinations which are held at the end of each semester. Overall progress is reviewed at the end of the academic year. Our philosophy is to give you a clear and

constructive idea of your individual progress, identify areas that merit particular attention, and ensure that you perform to the very best of your capability. We are distinctive for the level of individual support given to students. When you arrive you will be assigned a personal tutor who will provide help and guidance throughout your course. Regular, timetabled, one-to-one meetings with the personal tutor ensure that any problems, associated with studies or otherwise, are identified and appropriate remedies speedily put in place. As the course progresses and becomes more flexible, and you become more independent, the number of formal contact hours is reduced, although the School has an open-door policy so that teaching staff are always available for consultation.

We take active steps to ensure that our courses are relevant and interesting. Students are invited to assess each module by means of a questionnaire and we have an Industrial Advisory Board that advises us on course content. By using student feedback, industrial advice and input we ensure that our courses remain interesting and well presented, as well as highly relevant to industry practice. Alongside this, we run a joint staff/student committee, where any potential problems can be resolved.



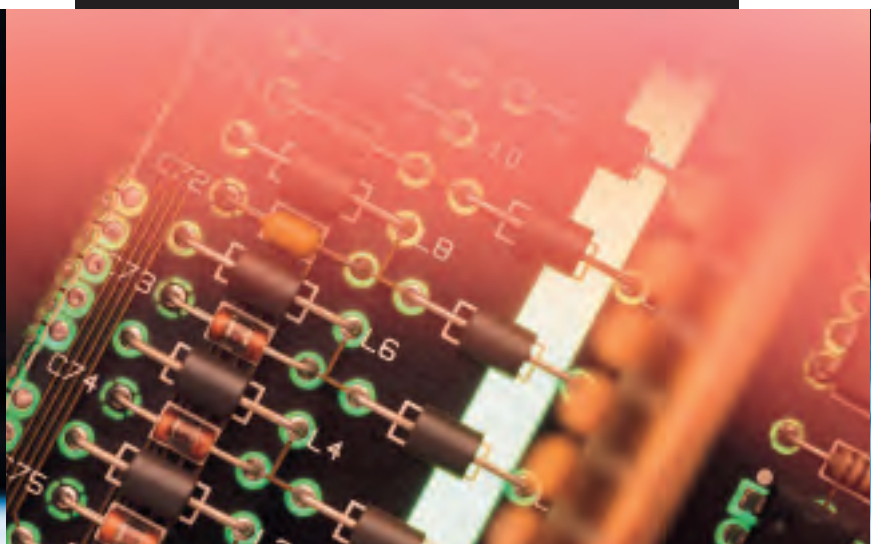
Projects

For many students, project work is the most challenging, satisfying and memorable part of their course. These projects develop a number of essential skills required to succeed in industry, such as problem solving, team work, and time management, as well as giving you the opportunity to demonstrate your imagination and flair. As well as smaller individual and group projects undertaken through the earlier years of the course, in the final year, you will undertake an individual experimental research project as a significant proportion of your study.

Design and Selection projects taken throughout the course help you appreciate how both materials engineering and design are critical aspects for the production of both mass-market components and specialised components for advanced niche applications. Meanwhile, the experimental research project in your final year is an exciting chance to display your interests and your potential for research and self-study. The project areas are arranged in close consultation with an academic supervisor and involves a review of the relevant literature, carefully planned experimental work, an oral presentation and finally a professionally produced project report. Students are also given the opportunity to attend research and training seminars and take part in industrial visits. In addition to the experimental scientific research project, students on the MEng course undertake an industrially focused research project in Year 4.

Some recent project topics have included:

- Development of glass ceramics for biomedical and dental applications;
- Environmental scanning electron microscopy for studying dynamic processes;
- Production of metal nanoparticles by inert gas condensation;
- An investigation of water resistant zips in performance sportswear;
- Development of new refractory feeder tubes for the glass industry;
- Properties and mechanism of formation of chevron cracks in steel welds;
- A comparison of cast and superplastically formed titanium alloys;
- An investigation of secondary dendrite arm detachment during alloy solidification;
- Graphitisation of steel for high speed cutting applications;
- Microanalytical characterisation of airborne pollution particles;
- An investigation into energy-filtered imaging in the transmission electron microscope;
- Computer modelling of the stability of crystal structures;
- Manufacture of new broad band fibre optic cables;
- Design and materials selection for pole vaulting;
- Hydroxyapatite nanopowders for the treatment of sensitive teeth.



Our Degrees in Detail

All undergraduate courses at Leeds are based on a credit-based modular system, which allows greater flexibility and choice as well as making access easier for students with non-standard qualifications. This modular system can, in principle, also allow you to transfer between the three materials courses up to the beginning of the second year.

In the first year of your course, you will gain a broad overview of the whole course via integrated modules which combine introductory material and dedicated laboratory classes. This is combined with study of the physical and biological sciences and mathematics relevant to your course. You will also develop useful transferable skills such as computing, study techniques and engineering appreciation. First year students may also be able to choose a number of optional modules from the wide range available at the University of Leeds, such as management studies and foreign languages.

In the second year, you will consolidate your knowledge of the relationship between the processing of materials, the structure that they develop and their electronic, chemical and mechanical properties.

In the third year, you will study the specific applications of materials in different sectors of technology: automotive and aerospace engineering, information and communication technology, biomedical engineering, sports and construction.

Finally, in the fourth year, MEng students will study the analysis of the failure of materials, industrial research practices as well as discovering the latest areas of materials research including nanotechnology and optoelectronics.

Materials Science and Engineering BEng/MEng (J511)

Materials Science is the market leading, enabling, technology with a worldwide industrial value of well over \$1 trillion. The subject lies at the interface between the physical sciences and the traditional major engineering disciplines (Civil, Mechanical, Electronic) as well as many areas of medicine and physiology, such as prosthetics, biomechanics and sport. The major advances in technology throughout history have been dependent on materials, whether through a better understanding of traditional materials or the development of improved or novel systems. With the ever increasing pace of technological development the importance of Materials Science will continue to increase.

The subject is founded on the fact that virtually all materials' properties are extrinsic, i.e. they depend sensitively on processing route rather than solely on composition. The reason for this behaviour is to be found in the material's microstructure - structural features in the material on a scale of a few nm up to a mm which can be drastically modified by changes in the material's processing history. You will study the processing-microstructure property relationships for a very wide range of materials (ceramics, metals, polymers, composites) and will therefore become familiar with the control of material properties which can be exerted by proper choice of processing route as well as the failure mechanisms of materials, their interaction with the environment and the scientific methodology behind materials selection for mechanical, chemical and electronic design.

The course is accredited by the Institute of Materials, Minerals and Mining, the professional body associated with our courses. This means that, after a period of structured training and experience in industry, graduates are eligible for corporate membership of the Institute, and, through this, for the status of Incorporated (IEng) or Chartered (CEng) Engineer.

There is an extremely high demand for good Materials Science and Engineering graduates from a wide range of international industries, from material producers to end users. Currently the demand for such graduates far exceeds their supply.





The Materials Science and Engineering degree can be taken as either a three year BEng or a four year MEng course, with the MEng being an integrated masters course and more in-depth. The first two years are common to both BEng and MEng students, and cover the fundamental principles and skills required to be a qualified materials engineer. In all cases initial enrolment on the MEng depends on your entry qualifications, however the decision on whether you progress to either the BEng or MEng is not made until the end of year two and depends on the overall level of performance at this stage.

Sports Materials Technology BSc (HJ65)

Science, engineering and design all play a key role in Sport. Sports Materials Technology which involves the selection, specification and design of materials used for sports equipment and clothing specifically for the enhancement of human performance.

Our degree in Sports Materials Technology covers not only a fundamental understanding of materials processing, properties and performance, but also the fields of sports and exercise science and textile studies. It is specifically designed to meet the needs of the rapidly expanding international sports industry.

On successful completion of the course you will have the capability and skills to select, specify and design materials for advanced sports equipment ranging from running shoes, bike frames, climbing equipment, surf and snow-boards through to artificial playing surfaces. The UK specialist sports equipment industry is particularly successful in the workplace. However, the current lack of materials science expertise means that much of the equipment is heavily over-engineered to guard against failures. Therefore there is a demand for technologists with specialised knowledge who will lead many of the future developments in this area. Many recent advances in human sporting achievement have come about via a better understanding of how either traditional materials, such as steel, plastics and glass, as well as improved or novel materials, such as polymer and

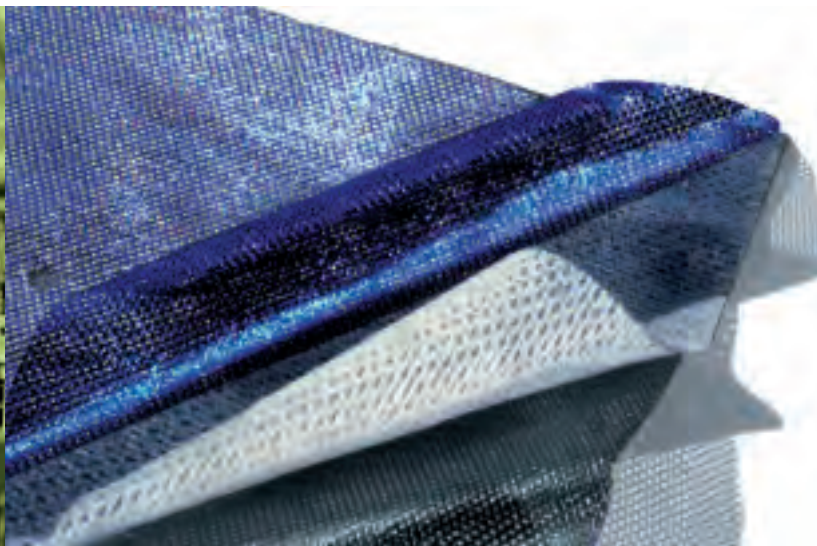
carbon fibres and composite materials, may be used in sports equipment and clothing.

The aim of the course is to help you gain an appreciation of the relationships between manufacturing, microstructure and properties for a wide range of materials as well as the nature of the interaction between materials and the sporting environment in which they operate. The latter appreciation will be developed by parallel studies in physiology, biomechanics and sports practice.

Being a highly interdisciplinary course, it brings together expertise from the fields of materials, sports science and advanced textile studies. The core of which is based on a combination of materials, biomechanical engineering and textile science modules coupled with specific materials laboratory modules and a choice of options. The course also includes both individual and group work, with design and research projects focused on the real applications of materials in sport. When these core capabilities are combined with a broad portfolio of transferable skills, such as team working, study skills, presentation skills, experimental design, computing and IT, graduates from this course will be well prepared for a rewarding and challenging career in the sporting goods production and leisure industries.

In addition, there is an opportunity to undertake an industrial placement during the course and you will also study for a National Coaching Certificate in a sport of their choice.

The course is currently undergoing retrospective accreditation by the Institute of Materials, Minerals and Mining, the professional body associated with our courses. This means that if successful, after a period of structured training and experience in industry, graduates will be eligible for corporate membership of the Institute, and, through this, for the status of Incorporated (IEng) or Chartered (CEng) Engineer.



Biomaterials BSc (H673)

The impact of science and engineering on health, the environment and the general quality of life is vast. Biomaterials is an emerging area of technology which lies at the interface between the physical and the life sciences, encompassing not only the study of how biological processes and components work in the human body, but also of how they may be repaired, replaced and sometimes improved through biomedical engineering and design.

The course provides a broad-based education in the application of materials science in the fields of medicine and dentistry and is designed to meet the needs of the biomedical engineering industry. The demand for Biomaterials graduates capable of working in this rapidly expanding sector exceeds supply, so job prospects are extremely good.

Recent advances in medical science have come about via a better understanding of how both traditional materials, such as steels, ceramics and glasses, as well as improved or novel materials, such as electroceramics, polymers and composite materials, may be incorporated and interact within a biological environment.

The aim of the course is to help you gain an appreciation of the relationships between processing, microstructure and properties for a wide range of materials as well as the nature of the interaction between materials and the extremely demanding biological environment in which they operate.

Being highly interdisciplinary, the course brings together expertise from the fields of materials science, medical engineering and human biology. The core of which is based on a combination of materials, biological, and biomechanical engineering modules coupled with specific laboratory modules and also a choice of options. You will also undertake both individual and group work, with

design and research projects focused on the real applications of materials in medicine and dentistry. You will study the principles of mechanical design with particular emphasis to materials selection and acquire more general skills of particular relevance to the healthcare industries, such as medical statistics and management. These aspects, together with an emphasis on transferable skills such as team working, study skills, presentation skills, experimental design, computing and IT, form a substantial part of this biomedically-focused degree course.

The course is currently undergoing retrospective accreditation by the Institute of Materials, Minerals and Mining, the professional body associated with our courses. This means that if successful, after a period of structured training and experience in industry, graduates will be eligible for corporate membership of the Institute, and, through this, for the status of incorporated (IEng) or Chartered (CEng) Engineer.



Module Table

Year 1		
<p>5 compulsory modules for all three courses:</p> <ul style="list-style-type: none"> • Introduction to Engineering Materials • Introduction to Materials Science • Mathematical Techniques for Process Engineers 1 • Thermodynamics • Data Analysis & Presentation <p>Plus of options from a range of topics such as : Foundation Mathematics/Physics/Chemistry, European Language, Management, Economics of Industry, Polymer Science and Fluid Mechanics & Heat Transfer</p>		
Including the following modules compulsory to each course:		
<p>Materials Science & Engineering</p> <ul style="list-style-type: none"> • Topics in Nanotechnology • Engineering Design & Practice 	<p>Sports Materials Technology</p> <ul style="list-style-type: none"> • Functional Anatomy • Introduction to Textiles 	<p>Biomaterials</p> <ul style="list-style-type: none"> • Basic Gross Anatomy • Medical Engineering 1
Year 2		
<p>4 compulsory modules for all three degrees:</p> <ul style="list-style-type: none"> • Materials Processing • Materials Characterisation • Materials Properties & Performance • Mathematical Techniques for Process Engineers 2 		
Including the following modules compulsory to each course:		
<p>Materials Science & Engineering</p> <ul style="list-style-type: none"> • Nanoparticle & Colloid Science • Mathematical Techniques for Process Engineers 3 • Project Management 	<p>Sports Materials Technology</p> <ul style="list-style-type: none"> • Mechanics of Sport • Design for Performance 	<p>Medical Engineering</p> <ul style="list-style-type: none"> • Medical Engineering 2 • Medical Statistics • Project Management
Year 3		
<p>2 compulsory modules for all three degrees:</p> <ul style="list-style-type: none"> • Design of Materials for Structural Applications • Experimental Project 		
<p>Materials Science & Engineering</p> <ul style="list-style-type: none"> • Materials Modelling & Simulation • Design of Materials for Functional Applications • Sport Materials • Biomaterials 	<p>Sport Materials Technology</p> <ul style="list-style-type: none"> • Sports Materials • Materials Modelling & Simulation • Mechanics of Sport • Textile Engineering • Sports & Exercise Science <p>Plus options from a range of topics such as: Movement Analysis, Land, Water & Air Based Activities, Mechanics of Sport & Performance</p>	<p>Biomaterials</p> <ul style="list-style-type: none"> • Biomaterials • Biomedical Engineering • Surface Engineering • Medical Imaging • Movement Analysis
Year 4 (Materials Science and Engineering- MEng Only)		
<p>All undertake:</p> <ul style="list-style-type: none"> • Industrial Research Project • Interdisciplinary Design Project • Advances in Engineering Materials • Failure Analysis <p>Plus options from a range of topics such as: Introduction to Nanotechnology, Inorganic Nanomaterials, Nanoparticles &Thin Film Technology, Extractive Metallurgy, Dialectic Properties, Fibre & Planar Optical Technology</p>		

The module table provides a flavour of what students may study. It is important to note that the availability of some options in later years will be determined by earlier choices. We also regularly review the structure, content and assessment of our courses and may vary them from time to time in light of experience and new developments.

Opportunities

Industrial Links

The well established reputation of materials science and engineering at Leeds means that we have built strong links with both UK and international industry. As well as working with various companies on wide-ranging research projects, members of staff maintain close contact with relevant industries to ensure that course material is up-to-date. Each course also has an input from industrial advisors who give advice on content and overall direction. Industrial visits and lectures will form an integral part the course and this will significantly improve your ultimate employment prospects. Strong industrial links also provide the opportunity for industrially sponsored research projects during your degree as well as independent summer placement work.

“There are so many employment opportunities that involve Materials Engineering, from the engineering of hip implants, space travel, military applications to your favourite football players football boots! I've enjoyed every single one of my four years at Leeds and have made so many unforgettable friends, and have so many amazing memories, that are all thanks to the city's fantastic vibrancy!”

Tim, Material Science and Engineering

Work Experience and Placement Opportunities

Two schemes allow our students to take advantage of the University's strong reputation with employers, and the School's substantial industry connections, to gain paid work experience.

An optional Industrial Placement Year is available within all the Materials Science degrees. Working with our Careers Centre, we assist students in identifying and applying for placements, providing an academic staff supervisor to maintain contact during the placement, and assess the students' reports. Students taking a placement year normally do so between the second and third year, and have the phrase 'with Industrial Placement' added to their final year degree certificate. Since many materials companies are international, industrial placements can also offer the chance to experience life in a foreign country as well as the opportunity to brush up your language skills.

In addition, MEng students can undertake paid work placements through our prestigious International Corporate Leadership Programme (ICLP). This is a collaboration between the University of Leeds and a range of internationally based companies supported by visiting professors and industrialists and gives students a competitive advantage when starting their career. Each student is sponsored by a company, with whom they undertake 10 - 12 week summer placements. This is supplemented by academic project work, mentoring and 10 credit interdisciplinary modules on personal development, leadership skills, business and management awareness. In many cases, students are recruited to work with their ICLP company on graduation.



Careers

Study Abroad

Two University-wide schemes enable you to spend one academic year at a university overseas; this is usually the second year of the three-year BEng/BSc programme, or the third year of the four-year MEng programme.

For those with foreign language skills, ERASMUS exchanges are available with several European countries, including France, Germany, Italy and Spain. You can take an additional module in the first year to brush up your language skills if you wish to take part in this programme. A second programme, Junior Year Abroad, offers exchanges to the USA, Canada, some Latin American countries, and Singapore, amongst others. Most Junior Year Abroad exchanges do not require a language other than English. You must however, achieve a good academic standard at Leeds in order to take part in either scheme.

Both schemes provide a fantastic opportunity to live and study abroad; students who have participated in them say that they found the experience life-changing.

extremely high demand, therefore as a Materials graduate you will have excellent career prospects and will be able to choose from a wide range of employers and will be financially rewarded accordingly. Opportunities can be found in materials production and fabrication, research and development, the public utilities, consultancy and design, education, technical sales and marketing.

The broad base of science and engineering, which is a feature of all our materials courses, also allows graduates to compete well for jobs where a specific degree is often not required, such as in finance, computing, the civil service or the armed forces. Since Materials Science is an exciting and continuously developing subject, research is a highly important aspect of the discipline. Many of our graduates continue at University to study for a higher degree, usually either a taught Master's degree or a PhD research doctorate.

"The skills and knowledge I gained from the course were indispensable and gave me an excellent grounding to build my career from. It's wonderful to be a part of an industry that is so vital to modern civilisation."

Former student David, (Materials Science and Engineering) Cast Product Development Manager, Corus Group



Entry Requirements & How to Apply

All undergraduate applications should be made through the Universities and Colleges Admissions Service (UCAS). Completed forms are submitted to UCAS and are then forwarded to the University. The deadline for applications is January of the year of entry however, we are usually able to consider late applications, provided places are available.

The principal entry qualification is the GCE A level although a wide range of other qualifications are welcomed and are accepted, and informal enquiries are encouraged. Typical A-level offers are detailed below:

Course	UCAS Code	Typical Entry Requirements
Materials Science and Engineering (BEng/MEng)	J511	BBB (MEng), BBC/BCC (BEng) including 2 from Mathematics, Chemistry, Physics or Design
Sports Materials Technology (BSc)	HJ65	BBC, including 2 from Chemistry Mathematics, Biology, Physics, Sports Studies or Design
Biomaterials (BSc)	H673	BBC, including 2 from Chemistry, Mathematics, Physics, Biology or Design

Equivalent UK or overseas qualifications (Scottish Highers, Irish Leaving Certificate, European/International Baccalaureate, BTEC, GNVQ, Access, etc) are also welcome and accepted, and enquiries are encouraged. Some VCE qualifications, or combinations of VCE and GCE, are also acceptable. These will be dealt with on a case-by-case basis and applicants are advised to contact the School's Undergraduate Admissions Team for advice.

English Language Requirements

There are certain minimum qualifications for entrance to the University. The most important of these is a qualification in English Language. A pass at GCSE in English Language (grade C or above) or a pass in the Common Skills course of the BTEC scheme would satisfy this.

International students must have an English language qualification at a suitable level, for example IELTS 6.0. The University's Language Centre offers several courses to help international students improve their English language skills. If you have not yet reached the University's English requirement you can take the Pathway English Language Programme, intended specifically for those who are applying for, or planning to apply for, an undergraduate degree, but who need to improve their level of English to meet University requirements. There is also a Pre-session Programme for students who have fulfilled the English requirement but would like to improve their academic language skills before starting their degree. You can find more information on the Language Centre website - www.leeds.ac.uk/languages/lc_home.html

Foundation Year for International Students

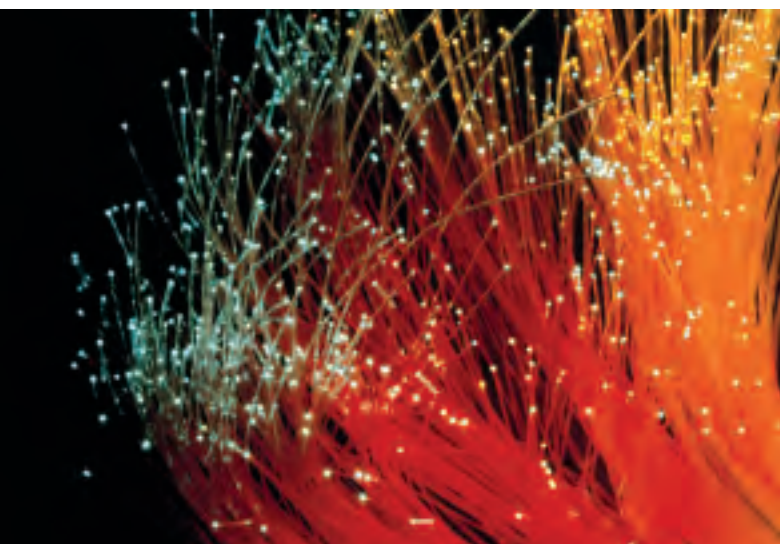
The University of Leeds also offers the Foundation Year for International Students in Engineering, which can provide alternative entry to our degrees. This one-year course is available for those with a background equivalent to AS-level, for example a School Leaving Certificate. Contact information for these programmes is also provided overleaf.

Scholarships

We offer an automatic £1500 scholarship to any new Home/EU fee paying student who achieves 3As at A-level (A2) or equivalent and enrolls on any undergraduate course in the Faculty of Engineering. Certain conditions apply, students must achieve the As in the A-level subjects required for the course. For more information about the scholarship and eligibility please visit: www.engineering.leeds.ac.uk/ug/scholarship.shtml

Additionally, through the Institute of Materials, Minerals and Mining we also provide a scholarship for the student with the best entry qualifications.

For details on other scholarships offered by the University, including scholarships for International students, please contact the School's Undergraduate Admission Team.



The University & the City

The University of Leeds is one of the UK's top universities, in the heart of a vibrant and student friendly city. Established in 1904, The University of Leeds is a member of the prestigious Russell Group, formed by 19 leading research universities. It is well known throughout the world for the quality of its teaching and research, and degrees from Leeds are well respected by employers and universities worldwide.

The University is one of the largest single site universities in the UK. It has all the advantages of a campus university with the bonus of being just a ten-minute walk from the city centre and a twenty minute drive from open countryside. The Students Union is amongst the UK's most active. Over 175 clubs and societies offer social and sporting activities, from national groups such as the Chinese Society to scuba diving, football and hang-gliding.

Leeds regularly tops the polls as the favourite UK destination for students. With over 50,000 students in the University and other higher educational establishments, the city is multicultural and student focused, offering an affordable alternative to the South of England, whilst enjoying the status as one of the most cosmopolitan cities in the North.

Simply take a short stroll from the campus and you will soon find yourself immersed in the UK's fastest growing city- a haven for designer boutiques and shops, and home to a range of theatres, museums and sport clubs. However it is at night that the city really comes to life with countless bars and clubs to choose from and a wide range of entertainment venues, restaurants and cafes to suit all tastes.

Guaranteed Accommodation

We know how important finding the right accommodation is, so the University guarantees accommodation for all first year undergraduates who apply before July of the year of entry. If you want accommodation for you and a partner or your family, we do have some suitable accommodation but places are limited. However, assistance is provided via the accommodation office and UNIPOL. More information about University accommodation and how to apply is available on our accommodation office website, visit: www.leeds.ac.uk/accommodation.

Student Support

The University provides a number of welfare and support services to assist you during your time at Leeds. You may go through your studies without the need for them, but if you do there is a range of services including chaplaincy, childcare, counselling, disability support, Joblink (for work experience or to gain extra cash), medical practice and the Student Union Welfare Service.



Visit Us

Many students take the opportunity of visiting the University during the year before they apply. The general University Open days are in June and September. On these days you can explore the campus, talk to undergraduates and visit the school. For more information, visit www.leeds.ac.uk/opendays.

Once your UCAS form has reached our Admissions Tutor and, if we make you an offer, you will be invited to visit the School where you will be able meet with staff and students informally. You will also be shown round the School and the campus. It is important that you feel happy about your choice of course and University, do not hesitate to ask for further information which will help you make the right choice.

All students should read a current edition of the University of Leeds prospectus which has information on life as a student at the University. Copies are available from the Undergraduate Admissions Team. Students who require further detailed information, are uncertain about their suitability as applicants or who have special needs are strongly encouraged to contact the Undergraduate Admissions Team prior to making a formal application. Specific enquires about student eligibility or information on course fees should also be directed to Undergraduate Admissions Team.

The School of Process, Environmental and Materials Engineering (SPEME), part of the Faculty of Engineering, is home to the Materials Science courses. To find out about other courses within the Faculty visit: www.engineering.leeds.ac.uk

Contact Information

If you want to know more, contact us now, at the address below:

Undergraduate Admissions Team,
School of Process,
Environmental and Materials Engineering,
University of Leeds,
Leeds
LS2 9JT
United Kingdom
Tel: +44 (0)113 343 2535
Fax: +44 (0)113 343 2549
Email: ugspemeadmissions@leeds.ac.uk

For further information on Materials education and careers contact:

The Education Department,
The Institute of Materials, Minerals and Mining,
Danum House,
South Parade,
Doncaster
DN1 2DY
www.iom3.org or www.materials-careers.org.uk

For information about student fees, fee status and LEA enquires contact:

Central Student Administration
University of Leeds,
Leeds
LS2 9JT, UK
Tel: +44 (0)113 343 3999
Fax: +44 (0)113 343 3877

UCAS code: L23
UCAS (Universities and Colleges Admissions Service)
PO Box 67,
Cheltenham,
Gloucestershire
GL50 3SF
www.ucas.ac.uk

International Foundation,
International Office,
Blenheim Terrace,
Leeds
LS2 9JT
Tel/Fax: +44 (0) 113 343 2264
Email: intyear@leeds.ac.uk





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