

Appointment of

Dean of The School of
Aeronautical, Automotive,
Chemical and Materials
Engineering



**Loughborough
University**

Welcome

Loughborough is an exceptional University. Our world-leading research, excellent education and student experience, unparalleled sporting achievements, and commitment to change, allow us to offer something truly distinctive from other UK Universities. We continue to make significant steps towards being a proactively equitable, diverse and inclusive University. At Loughborough, the Deans of our Academic Schools are central to the success of the University, leading our staff, inspiring our students, and shaping the university.

Our School of Aeronautical, Automotive, Chemical and Materials Engineering (AACME) is home to a warm and vibrant academic community of 85 academics, 60 post-doctoral researchers and 100 PhD students, supported by 60 members of professional services and technical staff. The constituent departments — Aeronautical and Automotive Engineering, Chemical Engineering and Materials — deliver high quality teaching and impactful research. All the departments are consistently ranked in the Top 10 in the Complete University Guide and score highly in the National Student Survey.

As Dean you will lead a School with impactful, world-leading high-quality research, and intensive industrial and international collaboration. In REF2021, AACME formed a large part of our UoA B12 return in which 96% of our Engineering Research was rated as World Leading or Internationally Excellent. AACME has particular strengths in the areas of combustion and aerothermal technology (including hydrogen and alternative fuels), the chemical circular economy, control and autonomous systems and materials characterisation. We have strong collaborations with major industrial partners such as Rolls-Royce, Caterpillar and Ford.

You will be joining Loughborough at an exciting time, our new University Strategy ('Creating Better Futures. Together.') is advancing our purpose, values and aims, offering a platform from which we will change the University and the world for the better.

I look forward to receiving your application and thank you for considering this opportunity.

A handwritten signature in black ink that reads "Nick Jennings". The signature is fluid and cursive, with the first letters of "Nick" and "Jennings" being capitalized and prominent.

Professor Nick Jennings CB FREng FRS
Vice-Chancellor and President



Our people

Life at Loughborough has a strong community feel. It is a factor we pride ourselves on.

Our students, graduates, staff and campus based partners are at the heart of all that we do.

Within this close-knit community, there is a shared atmosphere of determination, community, and a will to succeed. It is an environment that involves and motivates everyone to be the best they can be.

Our students

Student numbers 2022/23 UK/EU and international

Undergraduate	15,191
Postgraduate taught	3,025
Postgraduate research	1,247
Further education	114
Other (including temporary exchange and staff research)	190

Our alumni

Loughborough University has a global community of 200,000 graduates.

£6 million has been donated by alumni and friends of the University over the last three years.



27,000

applications were made for around 3,800 undergraduate places for 2022/23



19,700

students from 135 different countries



3,750

of our students on campus are international

Our staff

Staff numbers (Dec 2022)

Administrative, management and specialist staff	1,315
Researching, teaching, enterprise, specialist and supporting academic	1,365
Operational and technical staff	965

We have 3,500 members of staff. 17% of our employee numbers are represented by international members of staff, covering 75 different nationalities.



3,500

staff, Loughborough's
biggest employer



We have received the
**Race Equality Charter
Bronze Award**
that recognises we are beginning
our journey to advance race equality.

Our collaborations

The University works with organisations worldwide, exchanging knowledge to drive innovation, boost performance and meet current and future challenges.

Our strategic collaborations include

Adidas
[volume.lboro.ac.uk/
winning-its-all-about-teamwork](http://volume.lboro.ac.uk/winning-its-all-about-teamwork)

Joseph Rowntree Foundation
www.lboro.ac.uk/research/crsp

Caterpillar Innovation
and Research Centre
www.lboro.ac.uk/caterpillar-irc

Leicester Biomedical
Research Centre
www.leicesterbrc.nihr.ac.uk

National Centre for Sport and
Exercise Medicine
www.ncsem-em.org.uk

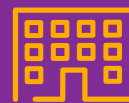
Rolls-Royce University
Technology Centre
www.lboro.ac.uk/rolls-royce-utc

SportPark
www.LUSEP.co.uk/sport-park

The Manufacturing Technology
Centre (MTC)
www.the-mtc.org

National Football League Academy
www.nflacademy.com

West Ham United Women
www.whufc.com



90 tenant partners are based
on Loughborough University Science
and Enterprise Park (LUSEP)

Our achievements

We successfully combine a world leading research endeavour with arguably the UK's best student experience. We are home to the worlds leading academic lead elite sport ecosystem, as well an outstanding estate and innovative enterprise work.



OUR LONDON CAMPUS

OPENED IN 2015
AND IS HOME TO OVER
800 POSTGRADATES



NATIONAL STUDENT
SURVEY 2023
TIMES HIGHER EDUCATION
ANALYSIS

**7TH IN ENGLAND
FOR OVERALL
SATISFACTION**



LSU ACTION
AWARDED
**QUEEN'S PLATINUM
JUBILEE AWARD**
FOR SUPPORTING LOCAL
COMMUNITY (2022)



BRITISH UNIVERSITY
AND COLLEGE
SPORT CHAMPIONS

**42 YEARS
IN A ROW**



TEACHING EXCELLENCE
FRAMEWORK 2023

**AWARDED GOLD
OVERALL,
GOLD FOR STUDENT
EXPERIENCE AND
GOLD FOR STUDENT
OUTCOMES**



AWARDED
**SEVEN QUEEN'S
ANNIVERSARY
PRIZES**
FOR THE QUALITY OF
OUR RESEARCH



GREEN FLAG AWARDS
SINCE 2018

**ONE OF THE
NATION'S BEST
GREEN SPACES**



INTERNATIONAL
QS STARS SCHEME
2023

**FIVE STARS PLUS
INSTITUTION**

– ONE OF ONLY
20 WORLDWIDE



QS WORLD
UNIVERSITY RANKINGS
BY SUBJECT 2023

**BEST UNIVERSITY
IN THE WORLD FOR
SPORTS-RELATED
SUBJECTS**



**RAISED THROUGH
LOUGHBOROUGH
STUDENTS' UNION
RAG**



TIMES HIGHER
EDUCATION IMPACT
RANKINGS 2023

**1ST IN UK AND 15TH
GLOBALLY FOR
ADVANCING
AFFORDABLE AND
CLEAN ENERGY**



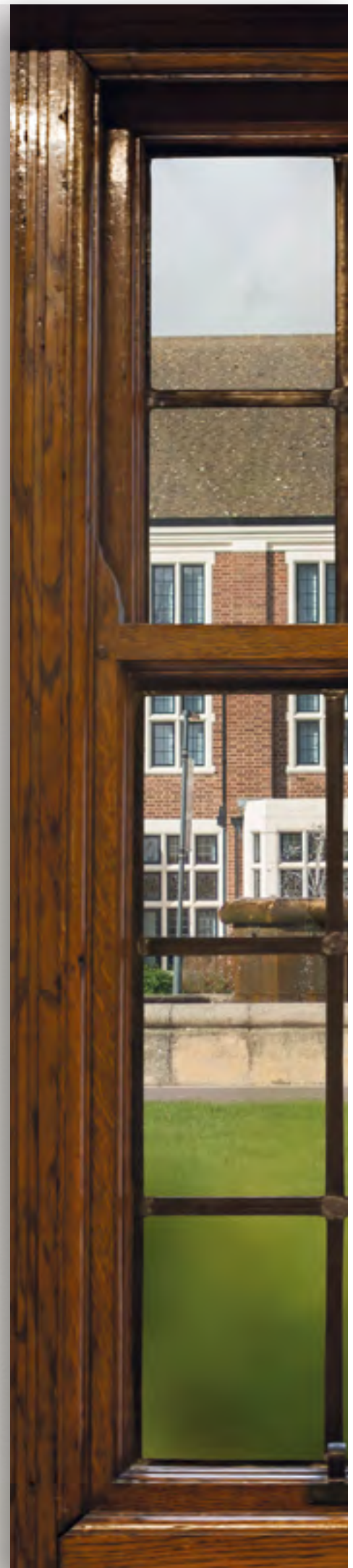
WHATUNI STUDENT
CHOICE AWARDS 2023

**1ST FOR
UNIVERSITY
FACILITIES**



THE COMPLETE
UNIVERSITY GUIDE
2024

**RANKED 7TH
OUT OF 130 UK
UNIVERSITIES**



Our strategic aims

Ambitious research and innovation

At Loughborough we think differently: we challenge convention, solve problems and take action. Through our research and innovation we are finding answers, discovering the things that matter and adding to knowledge, creating positive change across society.

Sector leading education and student experience

We provide our students with an exceptional learning environment that offers outstanding, innovative teaching, opportunities to contribute to pioneering research, and options to maximise their business potential. Working with Loughborough Students' Union, we offer the best possible all-round experience, providing our students with a wide range of opportunities that enable them to achieve their full potential, professionally and personally as well as academically.

A history of sporting excellence

We are proud of our hard-earned global reputation for sport. From elite-level athletes to trying to keep fit, we ensure that everyone at the University can enjoy sport regardless of ability or interest. Through world-leading coaching, outstanding student experiences, state of the art facilities and superb events, we create an inclusive, positive and life-shaping sporting experience for all.

International engagement and impact

We are establishing a compelling international profile and reputation, built on our distinctive strengths. We are valued for the relevance and impact of our research and for our important contribution as an international partner. Coupled with our sporting expertise, outstanding education and vibrant student experience, this engagement is helping us to build a community of committed alumni and advocates across the world.

An equitable, diverse and inclusive environment

Our campuses are home to a diverse body of people with different perspectives, values and attitudes. We are working to create an inclusive environment where such differences are shared and valued; where all individuals can reach their full potential regardless of their background.

Extensive global partnerships

Strong partnerships and collaborations are central to everything we do. We work with organisations around the world to drive innovation, boost performance and meet current and future challenges.





We have

A distinctive international reputation for excellence

The relevance of our research to real-life issues places us at the forefront internationally, increasing significantly the global visibility and reputation of the University. Our contribution, at the very highest levels, to new knowledge and understanding boosts our links with some of the best universities in the world and expands our breadth of well-established partnerships with leading international companies.

A life-shaping student experience

We provide our students with an exceptional learning environment that offers outstanding, innovative teaching, opportunities to contribute to pioneering research, and options to maximise their business potential, coupled with wide-ranging personal support. We engage with our students to ensure we deliver the best possible academic experience. There is high demand for our programmes and we deliver outstanding levels of student satisfaction.

Working in partnership with Loughborough Students' Union, we offer the best possible all-round experience, providing our students with a wide range of opportunities that enable them to achieve their full potential, professionally and personally as well as academically.

Outstanding partnerships to deliver social, economic and cultural prosperity

We pursue the commercial potential of our research and forge productive, collaborative links with partners across all sectors. We will meet their requirements and our activities help support economic development and drive innovation and performance locally, nationally and internationally.

We work closely with local partners to enhance the social, cultural and economic wellbeing of the communities and regions in which we reside. We embed sustainability and social responsibility into all of our processes, operations and developments.

A culture of delivering excellence in all that we do

Through the integration of influential research, a vibrant enterprising culture and outstanding learning opportunities, we enhance our ability to drive forward solutions to contemporary global challenges.

We support staff to attain the highest standards, and our international profile attracts the very best in their fields.

We have cemented our position as the UK's premier university for sport and are recognised globally for our unique ability to shape sport and exercise policy and practice both nationally and internationally.

One outstanding university: two vibrant campuses

Our distinctive ability to integrate research, teaching and enterprise has strengthened the activities in which we excel and created new capacity in areas of excellence.

Our international ambitions are being enhanced through a thriving postgraduate campus on the Queen Elizabeth Olympic Park in London, complementing our outstanding green-field campus in Loughborough and creating distinct campus communities, that share a common ethos, purpose and values.

University governance

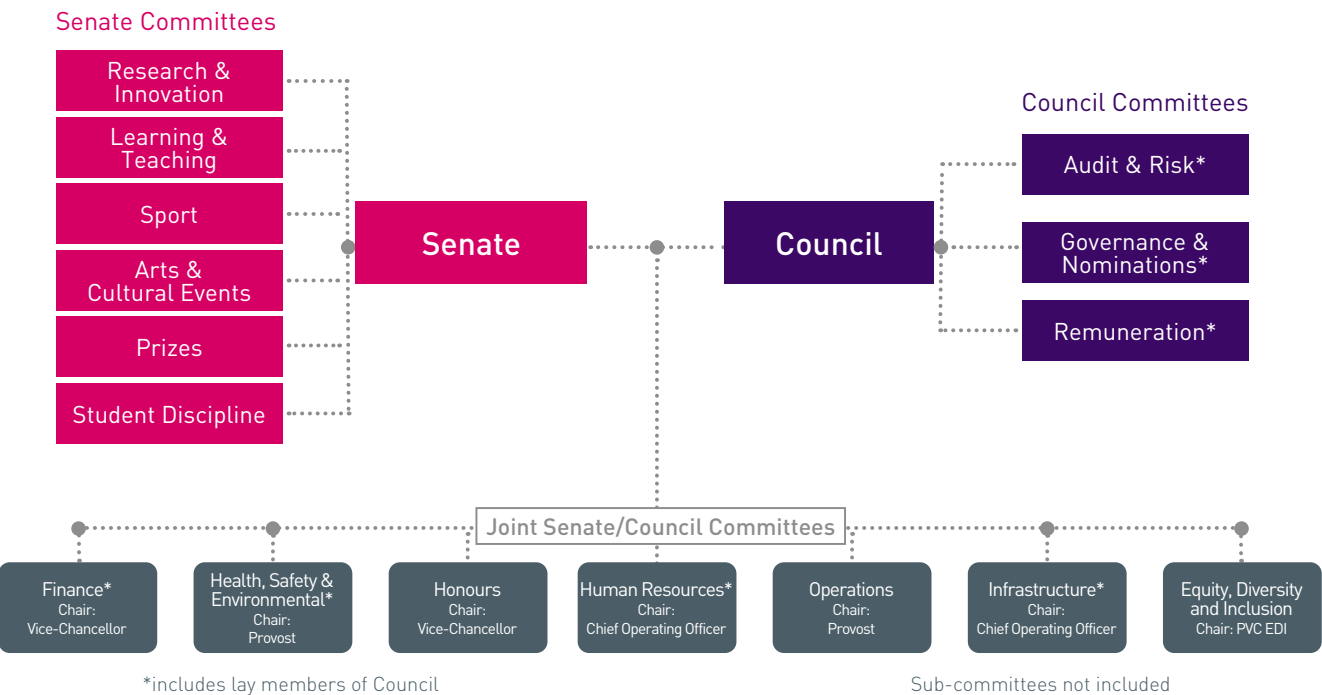
The University Senate

The University Senate is responsible for the academic work of the University, including programmes, examinations, teaching and research quality. Its membership is drawn from the University.

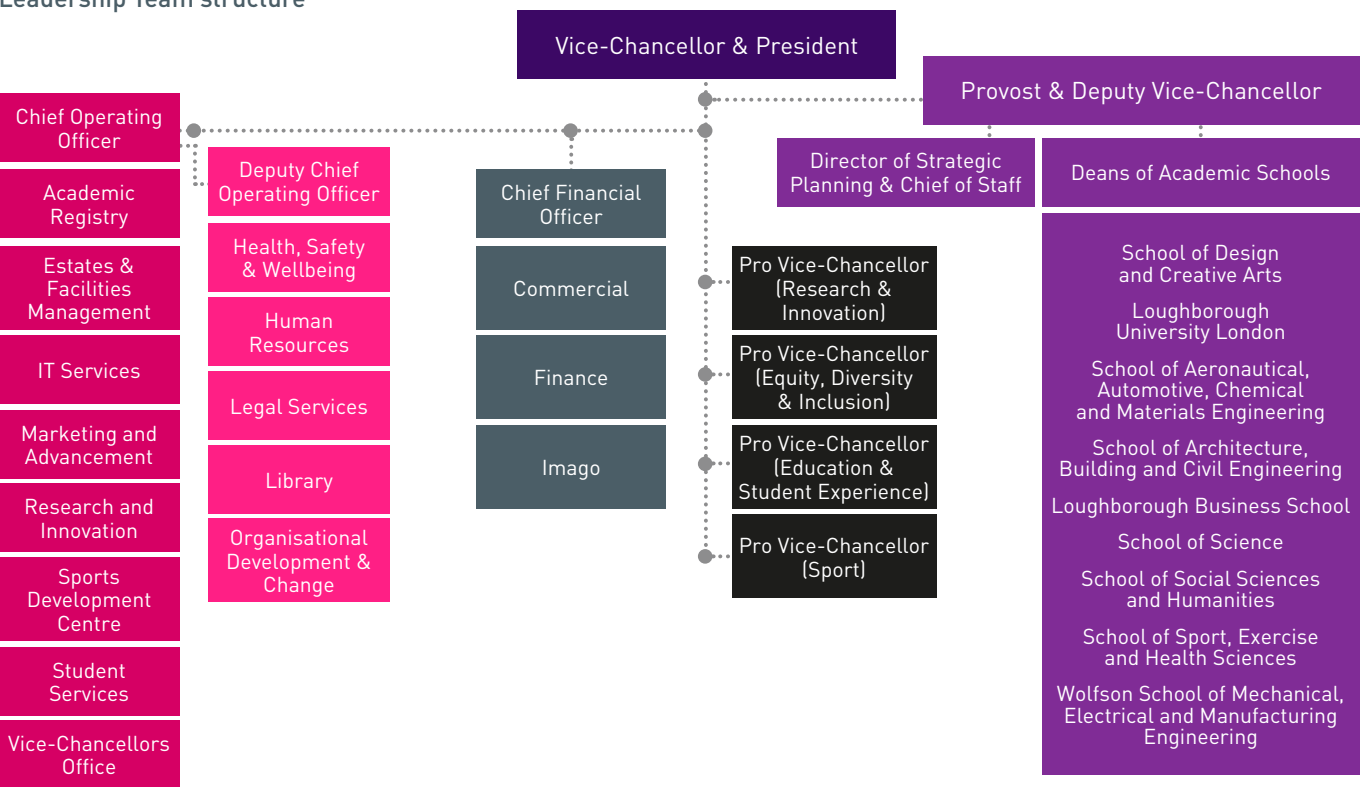
The University Council

The University Council is the governing body, responsible for the University's finances, buildings and land. It is the official employer of all staff and meets several times a year. Its Chair is the Senior Pro Chancellor, Christine Hodgson CBE.

Senate & Council structure



Leadership Team structure





About the School

The School comprises three departments, Aeronautical and Automotive Engineering, Chemical Engineering, and Materials, which run discipline based teaching programmes, but are highly collaborative in research.

We have excellent facilities, recently refurbished labs and state-of-the-art-equipment, which support our world-leading teaching and research programmes. The School of AACME, is a community of 80 academic staff, 53 post-doctoral research associates, 100 research students and a team of 68 highly-skilled technical and administrative staff. The School's new research grants and contracts income are around £10 million pa, funded by EPSRC, Innovate UK, industry partners, EU, government and charities. In both research and teaching, the School enjoys strong industrial links that support research sponsorship and collaboration, student placements and graduate employment.

Research highlights and key partnerships include:

- Rolls-Royce University Technology Centre in Gas Turbine Combustion
- National Centre for Combustion and Aero-thermal Technology
- National Centre for Circular Chemical Economy
- Centre for Biological Engineering
- Loughborough Materials Characterisation Centre
- Caterpillar Innovation and Research Centre
- Intelligent Mobility and Autonomous Systems
- Advanced Propulsion Centre (APC) funded projects with Jaguar Land Rover, Caterpillar and Ford
- UKRI Strength in Places Fund for Advanced Ceramics
- Innovate UK SuPharma and EPSRC Manufacturing Made Smarter Digital Medicines Manufacturing Research Centre



The role

Deans are senior members of staff appointed to provide leadership not only of their Schools but across the University. Deans are members of the Executive Board (UEB), whose purpose is to put academic leadership at the heart of decision-making processes in the University. Matters considered at UEB feed into the activities of the University and its main committees. Deans report to the Provost and Deputy Vice-Chancellor and have regular contact with other Senior Officers including the Pro Vice-Chancellors, Director of Finance, Chief Operating Officer and Vice-Chancellor and President. Deans play a crucial role in ensuring that policy is effectively developed and implemented in the interests of the entire University.

Job purpose:

- To lead by example the University's commitment to excellence and enable all individuals to realise their full potential.
- To be an integral member of the University's Executive Board, chaired by the Vice-Chancellor, thereby contributing to the strategic leadership of the whole University.
- To provide strategic and operational leadership for the School, maintaining and developing the School's outstanding international reputation in research & innovation, education & student experience and equity, diversity & inclusion, in line with the University's strategy.
- To ensure that statutory requirements are met.

Job duties:

(a) Lead the School, developing and delivering a rolling strategic development plan, designed to maintain and further develop the School's excellence in research & innovation, education & student experience and equity, diversity & inclusion in line with University strategy.

(b) Represent the School in the international and national academic and practitioner communities, with the object of promoting the School and enhancing its status and esteem.

(c) In consultation with the Provost and Pro Vice-Chancellors, work with the School's Senior Management Team to foster an environment and culture that delivers excellence in all activities and, in particular:

- Enhance the School's distinctive international reputation for research & innovation,
 - Strengthen the University's sector-leading position for education and student experience,
 - Intensify the School's international engagement and impact,
 - Invest in all staff and their career development via appropriate training and through annual Performance and Development Review (PDR),
 - Promote collaborations in research & innovation and teaching & learning leading to outstanding partnerships which deliver social, economic and cultural prosperity,
 - Foster an inclusive and equitable environment for all staff, students and visitors,
 - Promote a collegial approach to delivering success.
- (d) Exercise high standards of skill and care in managing the School's finances, its organisational structures, resource allocation and deployment, staff development arrangements (including PDR and promotion), reward & incentive mechanisms, and risk management.
- (e) Work within the approved School budget, devising appropriate arrangements for the management of resource. Whilst Deans may delegate authority for the day-to-day management of budgets, they retain responsibility for them at all times.
- (f) Represent the School at appropriate University decision-making bodies.
- (g) Chair appointment panels for appointments within the School and to serve on other appointment panels as required.
- (h) Identify and then manage underperformance,

implementing the University's procedures and processes as appropriate.

(i) Undertake appeals/grievance/disciplinary processes as required.

(j) Contribute a School perspective to the collegial development of the University.

(k) Pursue his or her own research, scholarship and teaching and contributing to the School's research and teaching programmes.

(l) Engage in training programmes in the University, consistent with the needs and aspirations of the post holder and the University.

(m) Be responsible for health & safety within the School. Implement the University's health and safety management systems and policies and ensure effective arrangements with regard to employees, students and other individuals whilst engaged in School activities.

(n) Represent the School and its interests on ceremonial and on other occasions.

(o) Undertake other duties as required by the Provost and Deputy Vice-Chancellor.

Points to note:

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed.

Special conditions:

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures. Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

Organisational responsibility:

Reports to the Provost

Conditions of service

The position is full time. The term of office as Dean of School is for a period of five years, at which time the position will be reviewed. The postholder will also hold the role of Professor of the University which is open-ended. While Dean of School, an honorarium is payable in addition to the postholder's salary. A competitive salary will be confirmed on offer of appointment.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found by visiting:

www.lboro.ac.uk/services/hr/conditions-of-service/

Application and interview

Application

Please complete a University application form online at: www.lboro.ac.uk/join-us

Interview

Shortlisted candidates will be invited to University tours and informal meetings in June with formal interviews expected to take place in mid-June.

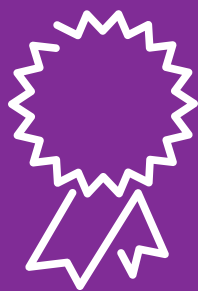
Informal enquiries

Informal enquiries should be made to **Megan Garner**, Recruitment and Resourcing Manager at: **M.Garner2@lboro.ac.uk** or by telephone on **+44 (0)1509 226782**



This publication is available in large print.

Please email Visual.Identity@lboro.ac.uk and quote reference 85596 to request a copy.



RANKED 7TH
IN THE COMPLETE
UNIVERSITY GUIDE 2024,
OUT OF 130 UK UNIVERSITIES