



Royal Academy  
of Engineering

# Engineering Leaders Scholarships:

**Supporting future engineering leaders**

**2022 Applicant guidance notes**

**Deadline: 4pm 10 January 2022**

# Introduction

**The Engineering Leaders Scholarship (ELS) programme supports undergraduates at UK higher education institutions who demonstrate a passion for engineering, the potential to become leaders in engineering and who will act as role models to future engineers.**

**These scholarships help ambitious and inspiring students, who want to become leadership role models for the next generation of engineers, to undertake an accelerated personal development programme.**

## Academy support

If your application is successful, you will receive an exceptional package of support, including:

### Primary

- £5,000 to use on career development activities over three years
- An annual training and networking event (over a weekend, usually in September or October)
- Access to Royal Academy of Engineering Fellows, Sainsbury Management Fellows and ELS alumni for advice and support.

### Additional

- Invitations to Academy events and opportunities to participate in other activities such as the Academy stand at New Scientist Live and the Big Bang Fair!

## Sir Ralph Robins Scholarships

**If your application meets some additional criteria, you could also receive the following enhanced support:**

- £5,000 towards your university fees
- A potential 10-week or one-year paid internship at Rolls-Royce plc
- An award produced by Rolls-Royce plc and presented at an annual drinks reception at the Academy, attended by current and previous scholars, organisers and funders of the scholarship
- Your name on a roll of honour plaque in the Rolls-Royce room at the Academy.

## Six additional scholarships funded by The Happold Foundation

Thanks to the generosity of The Happold Foundation, we are able to offer a further six Engineering Leaders Scholarships in this application round. The Happold Foundation shares the Academy's aims of encouraging and supporting greater numbers of students from a greater diversity of backgrounds to pursue professional engineering careers.

As well as the standard ELS scholarship worth £5,000 to be used over three years towards career personal development activities, successful applicants will benefit from the additional variant of a paid internship with Buro Happold, providing them with practical, hands-on work experience. The length and frequency of the internship will be confirmed with the successful applicants.

Note: Applicants from underrepresented and underprivileged backgrounds are especially encouraged to apply for this enhanced award. Preference will be given to students studying degrees related to the built and natural environment, including associated degrees such as computer science.





You can find  
frequently asked  
questions about  
the scheme on our  
website

# Eligibility criteria

## Engineering Leaders Scholarships

Scholarships are available to undergraduates who meet the following criteria:

- Undertaking an undergraduate degree at a UK higher education institution, including those completing degree apprenticeships.
- The degree must be in an engineering related discipline.
- Have completed at least one year (full-time equivalent) of your degree, and have at least two years' full-time equivalent (including the current year) left until graduation.
- Ordinarily resident in the UK (excluding for the purposes of your degree) and eligible to pay UK home fees.

## Sir Ralph Robins Scholarships

If you wish to be considered for the enhanced Sir Ralph Robins Scholarship you will need to have attended a non-fee-paying secondary school AND meet one or more of the following criteria:

- You have at some point been eligible to receive free school meals.
- You are from the first generation of your immediate family to attend university.
- You have spent time in local authority care.



## Additional support

### Sir Ralph Robins Scholarships

© Rolls-Royce

#### **What is a Sir Ralph Robins Scholarship?**

As part of ELS, enhanced scholarships will be made to three eligible individuals to encourage and support students from underrepresented backgrounds.

The scholarships will support the next generation of leading engineers and help address the engineering skills shortfall by driving more exceptional, ambitious and diverse students to pursue careers in engineering.

Eligible candidates will need to answer some additional questions within the application form. We can only consider you for this additional support if you answer these questions.

#### **Who is Sir Ralph Robins?**

Sir Ralph Robins DL FREng is one of the UK's most distinguished industrialists. During his 48-year career at Rolls-Royce, he held many senior roles including

managing director, deputy chair and then chair, serving in the latter post for 11 years. Renowned for his foresight – and unwavering belief in investing for the long term – Sir Ralph was instrumental in committing Rolls-Royce to the groundbreaking Trent engine programme. Trent engines continue to power much of the world's civil aviation fleet and are one of the UK's most successful technology exports.

Sir Ralph was born in 1932 and studied at Imperial College London. He first joined Rolls-Royce in 1955. Among many other honours, he was knighted in 1988 and elected a Fellow of the Royal Academy of Engineering the same year. In 1990, he was elected an Honorary Fellow of the Royal Aeronautical Society. During his long career, he has also held senior roles at Cable & Wireless plc, Marshall of Cambridge Holdings Ltd and Schroders plc, among others.





© This Is Engineering

# What to expect

## Planning for your career development

Each year you will be given an opportunity to develop a career personal development plan (PDP). This will allow you to think about what activities will help you meet your career goals and shape the activities you will use your funding for.

## £5,000 to spend over three years

### What can you use your funding for?

There are many various ways that you can use your funding. Some of the activities that have been funded in the past include:

- Visits to engineering companies
- Volunteering on engineering projects
- Non-course-related learning to enhance skills

### Training, mentoring and internship

- An annual training and networking weekend early in the academic year
- Access to advice and mentoring from senior engineers and scheme alumni
- A paid internship with Buro Happold (ONLY for those whose awards are funded by Buro Happold)

### Reporting

An annual report is expected each year, detailing the activities you have undertaken, how you have spent your award and the benefits you have received.

### Sir Ralph Robins Scholarships

You will receive:

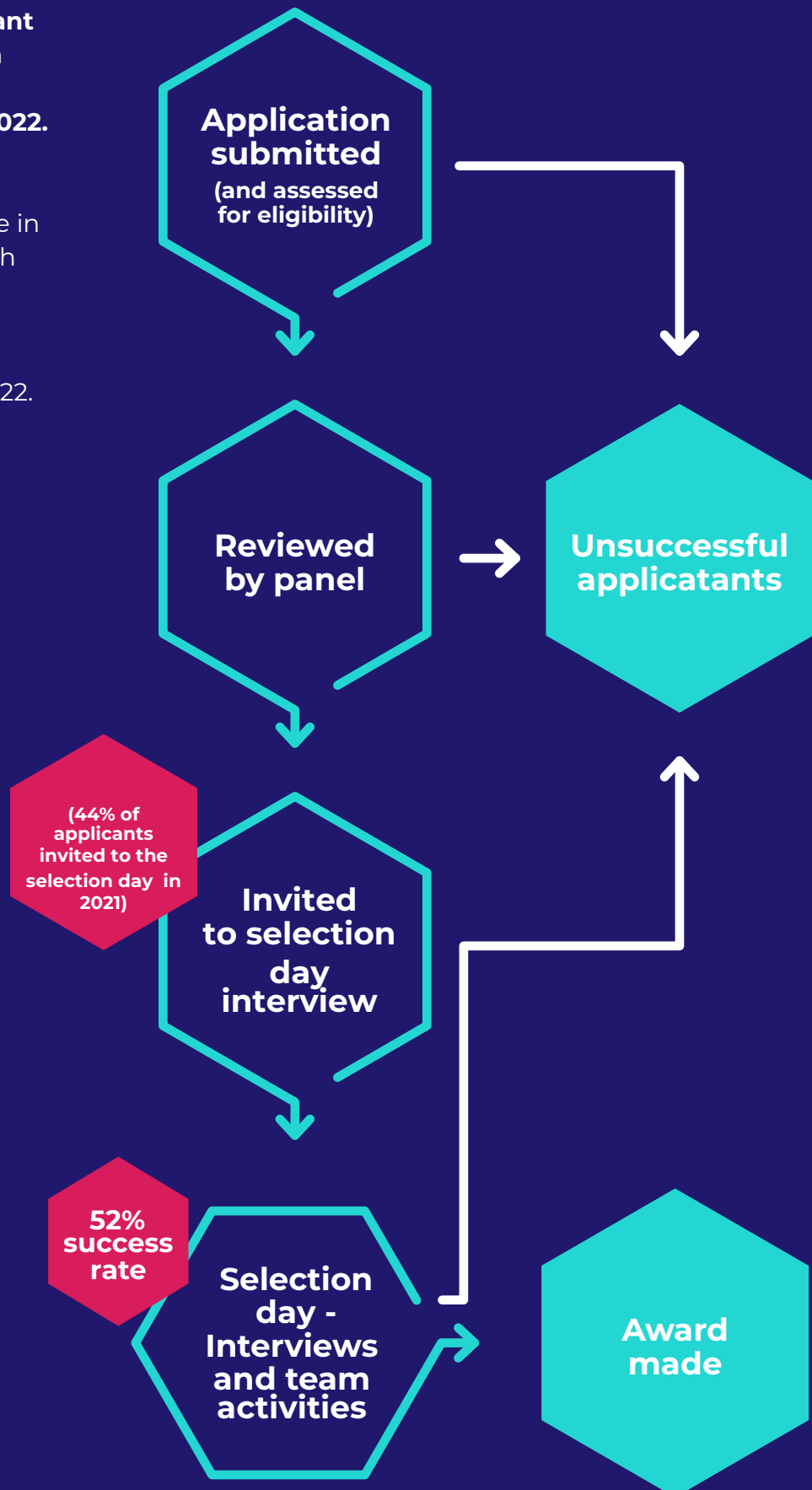
- An additional £5,000 to be used towards tuition fees
- A potential paid internship at Rolls-Royce plc
- An award presented at an annual drinks reception
- Your name added to a roll of honour plaque

# Application process

Applications need to be submitted via the grant management system (GMS) by 4.00pm on Monday 10 January 2022.

Selection of the 2022 scholars will take place in the final week of March 2022.

Awardees will be announced in April 2022.







# How to apply

## Create an account

**All applications must be submitted via the Academy's online grant management system (GMS) available at <https://grants.raeng.org.uk> All applicants must first register with the online system and provide some basic login details to create a profile.**

Before completing the application form, applicants are asked to complete a Diversity Monitoring Form to help the Academy monitor and assess its equality, diversity and inclusion policy. The information will be treated as strictly confidential, non-attributable and only reported when collated. It is gathered, stored and used in compliance with the Academy's Privacy Notice in line with the General Data Protection Regulations 2018. The information will only be used for statistical purposes with access restricted to staff involved in processing and monitoring the data. It will not be seen by anyone involved in any selection processes. No information will be published or used in any way that identifies individuals. The Academy will retain personal information for six years from close of award.

The application form has four sections and should take between one hour and one day to complete, depending on whether the applicant has already considered the questions prior to applying. A summary of the guidance notes is embedded within the system itself. However, the guidance given below may be more detailed so we recommend you keep this document to hand. Many of the questions have prescribed word limits, which are designed to keep your answers focused and to give you an indication of the level of detail we require. In such cases, the number of words you have used will be displayed beneath the question and updated in real time.

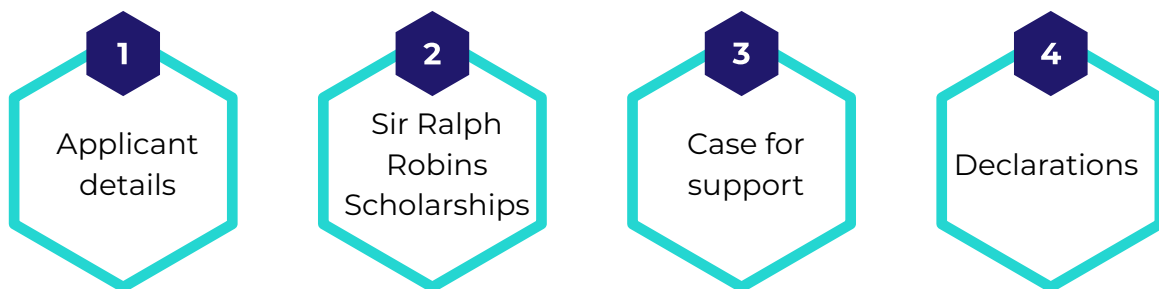
Applicants can download a PDF of their applications after submission, which is recommend for reference. There is only one application stage and those meeting the eligibility criteria will enter the assessment stages.

If you have any questions concerning the application or the online system, please contact [els@raeng.org.uk](mailto:els@raeng.org.uk)

# Completing the application form

After registering and logging in to the online grants system, select the 'RAENG Portal' tab on the top left-hand side of your screen. Here you will be presented with a list of all Academy schemes that are currently accepting applications.

Find the ELS scheme and click on 'Start an application'; here you should be presented with the 'Instructions' screen, where you will see general instructions on how to use the system, and links to the four sections of the application form given below:



You can save your work at any stage in the application process and return to it later. You can answer the questions in any order you like so you may freely skip some sections to return to later. It is therefore worth viewing the application early on for an indication of what is required.

Also, you should ensure that you have all the necessary documentation when you start completing the application, including the following:

## Higher education institution endorsement

We need your institution to submit a letter to support your application, which should confirm:

- That you are studying an undergraduate degree at a UK higher education institution and that you have satisfactory academic standing
- The length of your degree programme and which year of the degree you are currently on (including if you are currently on a placement year)
- That you are eligible to pay UK home fees (not international fees).

## Personal reference

We also require a personal reference from a member of staff at your higher education institution (for example your tutor or a lecturer) or, if you are currently on a year in industry, the person you report to if that is more appropriate. The reference must be on headed paper and include how that person knows you. Please treat this as a separate document to the endorsement of your higher education institution.

We recommend that your higher education institution endorsement and personal reference are uploaded with your application. However, if the author of the documents is unwilling to do so you can invite them to upload to your application.

**79%**  
of previous awardees have  
gone into engineering  
roles



# Questions

## 1. Applicant details

### Q – Applicant details

You will have provided some details when you registered, please ensure that your contact details are correct including a non-university email address

### Q - UK resident

To be eligible for ELS or a Sir Ralph Robins Scholarship you will need to normally reside in the UK (not just for your course) and be eligible to pay the equivalent of UK home fees. If you are unable to meet this criteria, please do not progress any further with this application. We may ask for confirmation that you meet this criteria at a later date.

### Q – Institution

Enter the full name of your higher education institution (for example 'University of ...') and not an abbreviation or just the name of the city the institution is located in.

### Q - Course details

Enter the name and type of course (for example mechanical engineering MEng).

### Q - Name of department/school

Enter the name of the department or school within your higher education institution that operates your course.

### Q - Year of course

You must be in at least the equivalent of your second year and not in your final year equivalent. Please confirm which year of your course you are currently on.

### Q - Duration of course

Please state how many years (full-time equivalent) that your course takes, include any placement years or year in industry in the total figure.

### Q - Course start date

What year did you start your course?

### Q - Course graduation date

What year and month do you expect to graduate?

### Q - Engineering sector

Which engineering sector do you most closely identify with?

### Q – Post-16 studies

Post 16, what have you studied (excluding your current degree) and what have been your most notable achievements? We would expect to see both academic and non-academic achievements here.

## 2. Sir Ralph Robins Scholarship

If you wish to be considered for a Sir Ralph Robbins Scholarship you will also need to answer the questions below.

*(please note if you do not answer these questions you cannot be considered for this additional support)*

### Q - Do you wish to be considered for this additional support?

Tick either yes or no to confirm if you wish to be considered for this additional support.

### Q - Type of secondary school attended

From age 11, have you attended a fee-paying school at any point? To be eligible for the additional support available through the Sir Ralph Robins Scholarships you must not have attended a fee-paying school and you must be able to say yes to at least one of the three questions that follow on from this question.

### Q - Free school meals

Have you ever been eligible for free school meals?

# Questions

## **Q - First generation university attendance**

Are you in the first generation of your immediate family to attend university?

## **Q - Local authority care**

Have you ever been in local authority care?

## **Q - Additional circumstances to be considered**

Are there any other social circumstances you would like us to take into consideration?

## **3. Case for Support**

### **Q1 - What difference do you want to make as an engineering leader to promote a sustainable society and inclusive economy?**

The Academy's overarching goal for 2025 is to harness the power of engineering to build a sustainable society and an inclusive economy that works for everyone.

We want to understand what drives your passion for engineering and how you want to direct it in your role as a leader, to contribute to achieving that goal.

Please note: there are no right or wrong answers here. Also, you will have the opportunity to expand on this in your multimedia message.

### **Q2 - Tell us about an engineering project/piece of work that excites you and why**

Engineering is everywhere. It underpins our daily lives and helps ensure our readiness for the future. We are curious to hear from you about an engineering project or piece of work that excites you. What it is so exciting about it?

Again, there are no right or wrong answers. We want to know what excites you in the world of engineering and why.

### **Q3- Tell us why this scholarship will help you become an engineering leader and provide detail of how you will use the funding**

Provide examples of how you intend to make the most of this scholarship in your goal to become an engineering leader. Please note that we want to know about more

than just how you would spend the money. The scholarship cannot be used to offset your university fees and cannot be used to pay for activities that are expected to be undertaken as part of your course.

## **Multimedia message**

The multimedia message should expand on your previous answer to Q1 (*i.e. What difference do you want to make as an engineering leader to promote a sustainable society and inclusive economy?*). The message can be in any format and must take no longer than four minutes to view.

There must be no limitations on the length of time the content is available to be viewed and it must not be password protected.

## **4. Declarations**

### **Q - A personal reference**

Include a letter from your personal referee who should be either an academic staff member from your course (course tutor etc) or, if you are on a placement year, it can be someone you currently report to in your role. The reference must be submitted on headed paper from either your higher education institution or employer, confirming the capacity in which they know you. A family member or personal friend cannot act as your referee.

### **Q - Letter of confirmation from your higher education institution**

Upload a letter from your higher education institution confirming the following:

- You are studying an undergraduate degree at a UK higher education institution and have satisfactory academic standing.
- The length of your degree programme and which year of the degree you are currently on (including if you are currently on a placement year).



# Questions

- You are eligible to pay UK home fees and do not pay international fees.

This letter should be on headed paper from your higher education institution and should be submitted as a PDF.

## **Q - Applicant declaration**

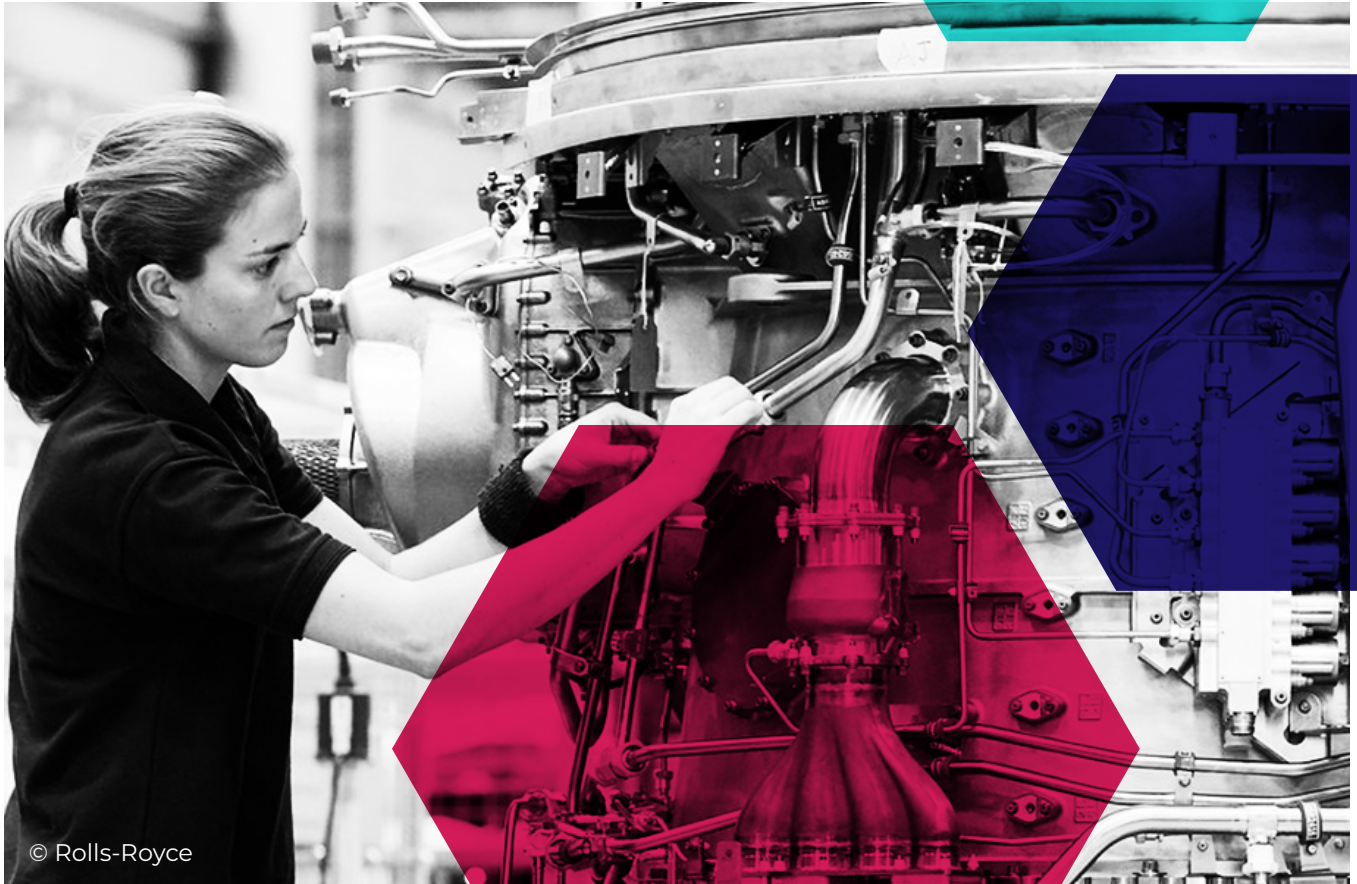
This section will ask the applicant to confirm that all the information they have submitted in their application is accurate and that they will update the Academy of any changes that may affect the application.

This section will also ask the applicant to acknowledge that the Academy will disclose the information contained within the application to external parties for the purpose of assessing the application.

## **Q - Where did you hear about the scheme?**

Let us know how you heard about the programme. The information provided will help us improve our communication strategy and will not be seen by reviewers.





# Stage 2

## Selection day

**Where possible, the selection day will take place in person at the Royal Academy of Engineering. However, it is still to be confirmed for 2022 (COVID permitting). Interviews will take place in the final week of March 2022, dates and format to be confirmed closer to the time. You must be able to take part in an interview to be eligible for an award.**

### **What to expect**

The 80 applicants that best meet the selection criteria at the application stage will be invited to take part in an interview and, if possible, group activities. The interview will last no longer than 30 minutes and will be conducted by two people, usually at least one Royal Academy of Engineering Fellow and either another Academy Fellow,

a Sainsbury Management Fellow, alumni of the ELS scheme or senior Academy staff. It is still to be determined if any additional activities will take place as part of the final selection for 2022.

Following the event, the selectors and Academy staff will come together to decide which 44 applicants will be awarded an ELS (including the 6 scholarships funded by Buro Happold and the 3 Sir Ralph Robins scholars). Those applicants eligible for the Sir Ralph Robins Scholarships, and who are among the 80 invited to the selection event, will be considered for an ELS in the first instance. We will then choose from those successful that also meet the additional criteria for the three Sir Ralph Robins Scholarships. Applicants will generally be provided with the outcome within a month of the interview.



# About us

The Royal Academy of Engineering is harnessing the power of engineering to build a sustainable society and an inclusive economy that works for everyone.

In collaboration with our Fellows and partners, we're growing talent and developing skills for the future, driving innovation and building global partnerships, and influencing policy and engaging the public.

Together we're working to tackle the greatest challenges of our age.

## What we do

### Talent & diversity

We're growing talent by training, supporting, mentoring and funding the most talented and creative researchers, innovators and leaders from across the engineering profession.

We're developing skills for the future by identifying the challenges of an everchanging world and developing the skills and approaches we need to build a resilient and diverse engineering profession.

### Innovation

We're driving innovation by investing in some of the country's most creative and exciting engineering ideas and businesses. We're building global partnerships that bring the world's best engineers from industry, entrepreneurship and academia together to collaborate on creative innovations that address the greatest global challenges of our age.

### Policy & engagement

We're influencing policy through the National Engineering Policy Centre – providing independent expert support to policymakers on issues of importance. We're engaging the public by opening their eyes to the wonders of engineering and inspiring young people to become the next generation of engineers.



© This Is Engineering

PORTWORTH



## Royal Academy of Engineering

### **Key dates**

The submission deadline is 4.00pm (GMT)

**Monday 10 January 2022.**

If you are successful in being invited to the selection event you will be notified in early March 2022. Applicants must be available to take part in the interview process to be considered for an award. Selection will take place in the last week of March 2022.

### **Contact**

If you have any questions about your eligibility, the programme, or problems with your application, please contact:

[els@raeng.org.uk](mailto:els@raeng.org.uk)

### **Further information**

For more information on eligibility and frequently asked questions, please follow the links to the [website](#).