

# Research in Engineering and Materials Science

The School of Engineering and Materials Science provides internationally-leading research activity represented by five academic divisions. Research is supported by industrial, clinical and academic partnerships as well as a thriving Joint Research Institute with Northwestern Polytechnical University in China. We have a long track record of worldwide research impact. Examples include the widely-used lightweight self-reinforced plastic (Tegris®) and innovative new biomaterials now treating 100,000s of patients across the globe.

## Research Areas

Research within the School is coordinated with the following five research divisions:

- Aerospace Engineering and Fluid Mechanics
- Bioengineering
- Chemical Engineering and Renewable Energy
- Materials Engineering
- Mechanical Engineering, Robotics and Design

In addition there is also the Joint Research Institute (JRI) of Advanced Materials and Structures (AMAS) which facilitates collaboration between researchers at the two institutes.

Please visit [sems.qmul.ac.uk/research](https://sems.qmul.ac.uk/research) for further information or email SEMS Research Admissions at [sems-research-admissions@qmul.ac.uk](mailto:sems-research-admissions@qmul.ac.uk)

## 2021 Research Excellence Framework (REF)

In the 2021 REF, QMUL's Engineering was ranked 7th in the UK out of 89 universities that were assessed. QMUL's Engineering research publications were ranked 2nd in the UK, with 61.5% of publications assessed as world-leading. Our research continues to be published in the highest quality journals.

## Industrial Liaison Forum

Our Industrial Liaison Forum provides an opportunity for students, academics and industrial links to interact and further Queen Mary's strong position and reputation within the engineering and materials science sectors.

Please see the School's Youtube page for more info: [youtube.com/c/QMULSEMS](https://youtube.com/c/QMULSEMS)

## Application process

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### 1. Identify a potential supervisor whose research interests match your own.

Applicants are encouraged to contact potential supervisors.

### 2. Consider your funding options.

At this stage it's important to have a realistic plan to fund your PhD studies for a minimum of 36 months.

### 3. Submit an online application.

Please include copies of transcripts, two references/referees details, statement of purpose, and a research proposal or studentship reference (if applying for an advertised studentship opportunity). See [qmul.ac.uk/postgraduate/research/applying-for-a-phd/](https://qmul.ac.uk/postgraduate/research/applying-for-a-phd/)

### 4. Interview.

If the prospective supervisor is interested in taking the application further, applicants may be invited for a formal interview.

Please visit [sems.qmul.ac.uk/research/programmes/howtoapply/](https://sems.qmul.ac.uk/research/programmes/howtoapply/) for further details.

## Funding

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Details of studentships are advertised throughout the year at: [sems.qmul.ac.uk/research/studentships/](https://sems.qmul.ac.uk/research/studentships/)

We also have specific scholarship schemes for applicants from Pakistan, China, Mexico, Chile, Colombia, USA and Commonwealth nations.

Further information on sources of funding is available at: [qmul.ac.uk/postgraduate/research/funding\\_phd](https://qmul.ac.uk/postgraduate/research/funding_phd)

## Entry requirements

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- Bachelors degree 2:1 and above or a masters degree in a relevant subject
- IELTS 6.5 with 6.0 in writing if English is not your first language.

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[sems.qmul.ac.uk/research/](https://sems.qmul.ac.uk/research/)

## Application deadlines

### September 2024 entry

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- China Scholarship Council, QM Science and Engineering Studentships and BAME studentships: **31st January 2024**
- Self-funders can inquire with prospective supervisors throughout the year.

**NOTE:** Some external funding bodies require a separate application, with different deadlines.

Please check here for information:

[qmul.ac.uk/scholarships/database](https://qmul.ac.uk/scholarships/database)

## Contact

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Special guidance for disabled students:  
[dds.qmul.ac.uk](https://dds.qmul.ac.uk)

Open day/evening info:

[qmul.ac.uk/postgraduate/meet-us/openevents](https://qmul.ac.uk/postgraduate/meet-us/openevents)

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