



THE UNIVERSITY of EDINBURGH
School of Engineering

Postgraduate opportunities



MSc Structural and Fire Safety Engineering

The School of Engineering offers a world-leading master's degree designed to meet a growing demand for advanced knowledge of structural behaviour in fire.

Introducing Fire Safety as an Integral Part of Innovative Structural Design

Innovative design allows more interesting and functional architecture but challenges traditional concepts of fire safety. To respond to these demands takes specialist knowledge and advanced skills in engineering analysis.

The BRE Centre for Fire Safety Engineering is the largest structures and fire research group in the world and is unique in its offering of a holistic teaching programme. It is an ideal place to learn and equip yourself with leading research, skills and knowledge to address the world's growing demand for skilled professionals in structural fire safety engineering. The key focus of this course is on acquiring the knowledge and skills of fire safety engineering for structures, enabling innovative designs to be realised with the same level of safety as those using traditional design techniques.

Scholarships
[www.ed.ac.uk/
student-funding](http://www.ed.ac.uk/student-funding)

Programme Structure

This programme is delivered on-campus full time for 12 months

Taught component

Fire Science and Fire Dynamics
Fire Safety Analysis and Design
Fire Safety, Engineering and Society
Finite Element Analysis for Solids
The Finite Element Method
Structural Design for Fire
Thin-Walled Members and Stability
Fire Science Laboratory
Structural Dynamics and Earthquake Engineering

Dissertation

While studying the taught courses you will also undertake preparatory work for your project. This dissertation will be completed over the summer after conclusion of the taught courses.

Careers

This programme will offer you the knowledge and skills you need to work in fire safety engineering, encompassing the built environment along with a large range of other industries. Many of our graduates are leaders in these fields, initially pioneering the application of advanced methods for structural fire safety engineering. You will also benefit from networking opportunities offered by our numerous research links.

Accreditation

This MSc programme is fully accredited by the Joint Board of Moderators (JBM), reflecting the acceptance that it meets the requirements to register as a professional engineer with the Engineering Council.

Entry requirements

You should have a UK 2:1 degree or its international equivalent preferably in civil engineering or a related area such as mechanical engineering or applied mathematics. Further information on international equivalencies can be found at: www.ed.ac.uk/studying/international/postgraduate-entry

Tuition Fee 2017/18*

UK/EU Students: £10,800

International Students: £23,700

*Fees change annually. For the most up-to-date information about fees see: www.ed.ac.uk/student-funding/tuition-fees/postgraduate/taught-fees

English Language Requirements

IELTS Academic module 6.5 (with 6.0 in each section), TOEFL iBT 92 (with 20 in each section). For more information about other qualifications we accept please go to: www.ed.ac.uk/studying/international/english/postgraduate

Contact Us

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The University of Edinburgh is ranked 19th in the world by the QS World University Rankings 2016/17.

QS World University ranking, 2016/17



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