

## Postgraduate Programme Specification

# Energy Resilience and the Built Environment PhD

Academic Year 2022/23

Awarding body	Loughborough University
Teaching institution (if different)	Loughborough University and UCL (EPSRC funded) and Irish Universities, that are partners in the Marine and Renewable Energy Ireland (MaREI) centre (SFI funded).
Programme title	Energy Resilience and the Built Environment
Primary award	Doctor of Philosophy (PhD) or Master of Philosophy (MPhil)
Mode of Study	Full-time and Part-time
Programme length	Full-time: 4 years Part-time: 8 years
Owning school/department	School of Architecture, Building and Civil Engineering
Campus	Loughborough
Admissions criteria	<a href="https://www.lboro.ac.uk/study/postgraduate/research-degrees/">https://www.lboro.ac.uk/study/postgraduate/research-degrees/</a>
Date at which the programme specification was published	

## Accreditation

None

## Programme Aims

This intensive four-year programme will train graduates to understand the complex, systemic, interdisciplinary challenges faced in achieving a resilient supply of energy to create a healthy and productive built environment. The programme will equip students with the research skills and multi-disciplinary credentials needed to be leaders in the field.

This will be achieved by immersion in a four

The Frameworks for Higher Education Qualifications of UK Degrees  
Doctoral Degree Characteristics Statement (QAA)  
Credit Level Descriptors for Higher Education (SEEC)  
Loughborough University Quality Reviews  
Research Council Mid-term and Annual Reviews

## Learning Outcomes

### Knowledge and Understanding

The creation, development and implementation of a significant programme of research concerned with the built environment, its energy demands and energy supply that will lead to new knowledge disseminated through the production of a PhD thesis.

This will be supported by:

- An understanding of the UK and European energy landscape and how energy and climate change challenges are interlinked through technical, environmental and behavioral factors.
- The acquisition of core skills in the areas of energy flexibility and resilience, technology and system performance and comfort, health and well-being.
- The acquisition of the research-specific skills that are needed to successfully complete the individually chosen doctoral level research programme.
- The assimilation of the generic skills needed to conduct ethical and safe research, to critically assess research findings, to effectively communicate research outcomes, and to convince others of its importance.

### Skills and other attributes

Subject -specific cognitive skills:

See above

Subject -specific practical skills:

See above

Key transferable skills :

See above

## University Regulations

University Regulations for Postgraduate Research study are set out in [Regulation XXVI](#) (Higher Degrees by Research).

Please see the

## Part R0

Doctoral Researchers will complete the following:

### ***Research-specific training courses assessed on a pass/fail/attendance basis***

Students will undertake eight compulsory, assessed, training courses in year R0.

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Module title

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Part-time	1,000-word research report	2,000-word mid-part report	10,000-word end of part report
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## Part R2

Doctoral Researchers will complete the following:

**Research-specific training courses assessed on a pass/fail/attendance basis.**

PhD project-specific R2.6