



MSC

Advanced Sustainability of the Built Environment

Fostering the hallmark spirit of independent enquiry and enterprise, the School of Architecture continues to build on contemporary research areas of particular strength including environmental analysis, sustainable design, architecture & urban design theory, and lightweight structural design.

MSc Advanced Sustainability of the Built Environment

The connection between energy consumption, buildings, urban planning and environmental pollution has been acknowledged only in recent years, with a strong emphasis now on improving the sustainability of the built environment “from cradle to grave”. The management of sustainability requires the reconciliation of the differing perceptions of all stakeholders in the development process and building shared approaches to realising an improved environment. In addition, the built environment including buildings, infrastructure and the construction industry, is being confronted with a new set of regulatory practices, indicators, measurements, and priorities, largely generated by the push for sustainability.

- This unique multi-disciplinary programme is designed to provide a holistic knowledge of the sustainable built environment
- The programme will be taught by world class academics and industrial contributors from around the world
- The programme is suitable for architects, engineers, planners, regulators and facilities managers
- Emphasis is placed on skills and technologies for sustainable design, construction and management to meet changing environmental, socio-cultural, technological and economic needs

Course content

Core modules:

- Foundation in renewable energy, climate change and sustainable development
- Principles of sustainable built environment, philosophy in practice
- Stakeholders and commercial viability vs. sustainability
- Sustainability assessment (implications, indicators, assessment methods and the whole life value)
- Planning Knowledge Management

Plus 2 specialist modules from:

- Sustainable heritage and building conservation: culture and environment
- Intelligent buildings: strategic design and management
- Building energy and environmental performance simulation
- Sustainable urban development and management at the city level
- Zero-Carbon and low energy housing development: strategies, challenges and design
- A research project, in which students pursue their area of specialism, completes the programme

To apply

- An honours degree at 2.1 or above in architecture, building services, planning, engineering, science or related disciplines or an ability to demonstrate considerable experience in a relevant field.
- Individual modules can be taken as personal Continuing Professional Development courses (CPD), in which case you do not necessarily need to hold a degree.
- IELTS 6.0 (or equivalent) for applicants whose first language is not English
- For application information: <http://www.dundee.ac.uk/postgraduate/> or email: postgrad-admissions@dundee.ac.uk

Further information contact course leader

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