MSc Renewable Energy and the Built Environment

Centre for Alternative Technology
Canolfan y Dechnoleg Amgen

Graduate school of the Environment

Why study at CAT?

Studying at the Centre for Alternative Technology (CAT) is a truly unique experience. For the past 40 years CAT has been at the forefront of the environmental movement, pioneering low-carbon living and renewable technology. At the Graduate School of the Environment (GSE), students benefit from our extensive practical and academic knowledge, graduating with the skills needed to become leading players in the sustainability sector.

At CAT, hands-on learning takes place side by side with academic study. Our 40 acre site in mid-Wales is powered by one of the most diverse renewable energy systems anywhere in the world. Lectures and seminars take place in the flagship Wales Institute for Sustainable Education – a low-carbon architectural marvel.

All of our Masters courses offer a practical and flexible approach to education, with students completing the required modules over one year full-time, or two years part-time. On-site teaching forms one week per module, allowing students to continue working or to spend time with their families. Further tutorials and study are offered through a range of interactive formats. For those keen to take the next step on the way to becoming a renewable technology specialist, there is no better place to learn.

"If society has a chance of averting climate change, renewable energy is definitely the way to go. Getting a degree fro m CAT will allow me to play a part in this crucial sector. Coming to CAT has been the best thing I've done."

Christopher Moreton, GSE graduate

MSc Renewable Energy and the Built Environment

The programme examines the theory and practice of renewable energy technologies and the built environment. It places this topic within the political, economic and social background of energy issues, including global examination of energy provision, consumption, climate change and local environmental considerations. The theory and practice of renewable energies are examined through both practical work and the lecture programme, enabling students to critically analyse the benefits and drawbacks of renewable energy systems.

Throughout the programme students are made aware of the relationship between the supply of renewable energy and the demand made by buildings.

The programme offers a unique combination of design, evaluation and practical experience that will equip students with skills that are becoming increasingly sought after in all areas of professional practice.

Topics covered by the course include:

- Biomass
- Solar Thermal
- Wind Power
- Hydro-electricity
- Solar Photovoltaics

Is this the course for you?

If you would like to visit for a free overnight stay during a module, attend lectures and workshops and meet staff and students, please contact the Student Support Officer : **msc.rebe@cat.org.uk**

Key Course Information

Entry requirements

Either an undergraduate degree in a technical subject or relevant life experience is required to study on this course. Please note that this is a rigorous academic course, which will require significant written and practical output. Minimum age is 21.

Fees

For further information on fees and accommodation, please visit our website

Contact Us

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