

*Presentation pattern*      *October to June*

*Module description*

Are fossil fuels running out? Can nuclear power, carbon capture and storage or renewable energy sources provide solutions to the problem of global warming? How can we provide clean, safe, sustainable energy supplies for the UK, and the world, despite increasing population levels and affluence? In this module students will look at the basic principles underlying the design and efficient use of energy and energy supply systems. Using a range of study materials and online activities, they will learn to use the appropriate scientific and mathematical techniques applied to energy related issues.

*Person specification*

The person specification for this module should be read in conjunction with the [generic person specification](#) for an associate lecturer at The Open University.

As well as meeting all the requirements set out in the generic person specification, you should have:

- a degree in physical or environmental science, or engineering
- recent experience and expertise in energy and sustainable technologies
- expertise in supporting students with numeracy, including economic and technical calculations relevant to energy
- an understanding of the current debates in the energy field.

It would be an advantage to have:

- experience of *Energy for a sustainable future* (T206) or similar curriculum
- an interest in, and commitment to, student-centred electronic tuition
- membership of a relevant professional body.

*Module related details - a full explanation can be found on the website*

Credits awarded to the student for the successful completion of a module:	30
Number of assignments submitted by the student:	3
Method of submission for assignments:	2
Level of ICT requirements:	2
Number of students likely to be in a standard group:	20
Salary band:	3
Estimated number of hours per teaching week:	3.5

*There may be opportunities for ALs to undertake associated assessment work for which there will be additional payment and about which you will be contacted separately if applicable.*