

Energy

Heriot-Watt University

Venues

Edinburgh Campus

Content

This course combines engineering and business studies and is offered by the School of Engineering and Physical Sciences but includes contributions from all Engineering disciplines represented at Heriot-Watt and from the Edinburgh Business School (EBS). Energy – based on fossil fuels and, increasingly, renewables – is an essential component of our existence. The cost, availability and efficient utilisation of energy are increasingly strong focal points in the strategies of governments world-wide, as they realise that the 'raw material' for most of the energy used today has a finite life.

Core modules: Foundation of energy; Technology futures and business strategy; Critical analysis and research preparation.

Optional modules: Renewable energy technologies; Economics of renewable energy; Environmental impact assessment; Demand management and energy storage; Energy technology; Ventilation and air conditioning; Computational fluid dynamics with heat transfer; Heat transfer and heat exchangers; Process intensification; Sustainable processing; Oil and gas field appraisal; Oil and gas field development; Electrical power systems; High voltage.

From the School of Management and Languages Courses (maximum 3): Environmental and energy economics; Competitive strategy; Strategic project management; Financial analysis; Project economics and evaluation; Business economics.

You can exit after Stage 1 with PgDip Energy.

Start Date

September, January

Qualification

Postgraduate Master's

Study Method

Distance and Flexible learning
Part time (day)

Award Title

MSc

Course Length

2 years (Part time) - 3-7 years (Online)

Faculty

School of Energy, Geoscience, Infrastructure and Society

Department

Energy and Renewables

Entry Requirements

A First or Second Class Honours Degree in an engineering discipline or in the physical or chemical sciences. The degree can be from a British or overseas university. Different degrees, together with relevant industrial experience, will be considered.

SCQF Level

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Address

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