

POSTGRADUATE CERTIFICATE IN OFFSHORE RENEWABLE ENERGY

Programme Learning Outcomes

Programme Learning Outcomes for Postgraduate Certificate in Offshore Renewable Energy (NFQ Level 9, Minor Award)

On successful completion of this programme, students should be able to:

- Demonstrate knowledge of a range of analytical methodologies used to quantify offshore renewable energy potential.
- Outline recent scientific and engineering developments relevant to offshore wind, wave and tidal energy systems in marine environments.
- Apply a range of energy systems modelling and data analysis techniques to solve relevant energy system problems.
- Undertake an analytical offshore energy innovation project in the context of current challenges for the energy industry in Ireland.
- Quantify the losses and circularity associated with advanced renewable fuels and biofuels production conversion.