

POSTGRADUATE CERTIFICATE IN METOCEAN FOR OFFSHORE WIND

Programme Learning Outcomes for the Postgraduate Certificate in MetOcean for Offshore Wind (NFQ Level 9, Minor Award)

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

- Critically analyse the meteorological and oceanographic characteristics of offshore wind sites
- Apply Geographic Information Systems (GIS) and geospatial analysis techniques to effectively process, visualise, and analyse data relevant to offshore wind project development
- Evaluate the legislative, governance, and policy frameworks governing national and international offshore areas including coastal zone management
- Develop comprehensive project management methods for offshore projects, that span technical, environmental, and economic considerations to effectively plan, execute, and monitor complex renewable energy intervention
- Demonstrate proficiency in MetOcean data acquisition, processing, and analysis techniques, utilizing contemporary programming tools and methodologies to characterise and assess potential offshore wind development sites
- Understand and analyse the current state of play of offshore wind development in Ireland