

PGDip (Mechanical) - 2026

Postgraduate Diploma in Engineering (Mechanical Engineering) in Renewable and Sustainable Energy Studies

1. Credits

The programme consists of 8 postgraduate modules of at least 15 credits each normally on the 700 level. In addition, students need to complete Professional Communication which is not credit bearing.

This is a 120-credit programme that can be completed in one year for full-time students or over two years for part-time students.

This document should be studied in consultation with the PG Schedule.

2. Modules¹

	Code	Credits
Required Modules		
Renewable Energy Systems	714	15
Professional Communication	771	0
Choose 7		
Advanced Photo Voltaic Systems	744	15
Bioenergy	744	15
Energy Storage Systems	774	15
Chemical Engineering (Green Hydrogen Technology)	715	15
Hydrogen in the Energy System	774	15
Long-term Power System Planning	774	15
Project Economics & Finance	711	15
Smart Grid Technology Overview	774	15
Water Power Technologies	Not offered in 2026	
Wind Energy	744	15

¹ Students may apply to the Postgraduate Coordinator for recognition of modules done at other departments or institutions. However, no recognition can be granted for modules done as part of another qualification.

3. Format of delivery

- Offering of modules is subject to availability.
- Almost all modules follow a 2-2-1 presentation format. There will be 5 lecture days split over 3 weeks (Week 1: 2 lectures, Week 2: 2 lectures, Week 3: 1 lecture).
- Attendance of modules for full-time and part-time students is compulsory.
- *All lectures and tutorial sessions will be conducted online, allowing both lecturers and students to engage in real-time.* Students also have the option to request in-person lectures and sessions, which will be held at a venue on campus. These in-person sessions will take place simultaneously with the online sessions and will be streamed live.
- Module choices are subject to approval by the Programme Coordinator and should be chosen strictly according to this outline.
- **Some modules may follow a different format to accommodate guest lecturers.**