



**CENTRE FOR RENEWABLE &
SUSTAINABLE ENERGY STUDIES**

**Postgraduate Diploma in Engineering (Mechanical Engineering) in
Renewable and Sustainable Energy Studies 2025**

Scope:

This postgraduate diploma (Pg Dip in Engineering) is aimed at prospective students with a BTech/ Advanced Diploma in engineering or BSc degree who want to gain additional background in renewable energy with a strong emphasis on the sustainability of resources and technologies. The programme consists of 8 postgraduate modules of at least 15 credits each normally on the 700 level + Professional Communication [0 credits]. Most of the modules are presented by the Faculty of Engineering and the Centre of Sustainability Transitions at Stellenbosch University.

This document should be studied in consultation with the [PG Schedule for 2025](#).

Modules:

The PG Dip (Mechanical Engineering) in Renewable & Sustainable Energy:

Required Modules:		
Renewable Energy Systems	714	Centre for Renewable & Sustainable Energy Studies
Professional Communication	771	Online only via SUNLearn (accessible once registered)
Choose seven:		
Advanced Photo Voltaic Systems	744	Centre for Renewable & Sustainable Energy Studies
Bioenergy	744	Centre for Renewable & Sustainable Energy Studies
Energy Storage Systems	774	Centre for Renewable & Sustainable Energy Studies
Chemical Engineering (Green Hydrogen Technology)	715	Centre for Renewable & Sustainable Energy Studies
Hydrogen in the Energy System	774	Centre for Renewable & Sustainable Energy Studies
Introduction to Sustainability Transitions	7XX	Centre for Sustainability Transitions
Long-term Power System Planning	774	Centre for Renewable & Sustainable Energy Studies
Project Economics & Finance	711	Department of Civil Engineering
Smart Grid Technology Overview	774	Centre for Renewable & Sustainable Energy Studies
Water Power Technologies	744	Centre for Renewable & Sustainable Energy Studies
Wind Energy	744	Centre for Renewable & Sustainable Energy Studies
<i>Prospective students should note that the modules offered to Pg Dip in Engineering students will be revised every year, considering the fast-changing context of renewable and sustainable energy, and the availability of experts in these fields.</i>		
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.		

Duration:

One year full-time, or two years part-time (*all students are registered as full-time students*).