

# Diploma Program in Renewable Energies (DER)

**Organized by:** Universidad Nacional de San Martín (UNSAM), Argentina

**Seeking international collaboration for support and outreach**

## Program Overview

The Diploma in Renewable Energies (DER) is an interdisciplinary academic initiative aimed at training professionals, researchers, and students in the principles and applications of renewable energy technologies. The program bridges science, technology, and sustainability, fostering regional and global cooperation toward climate action.

## Intended Audience

- Advanced undergraduate and graduate students in Chemistry, Physics, Environmental Sciences, Engineering, Biotechnology, and related disciplines.
- Research assistants, technicians, educators, and professionals in the energy and environmental sectors.
- Public and private sector actors involved in sustainability initiatives.

## Structure and Content

- **Duration:** March – November (1 academic year)
- **Format:** Hybrid (online theoretical modules + optional in-person workshops)
- **Core Modules:**
  - Fundamentals of Renewable Energy. Introduction to Renewable Energy and Climate Change, Energy and Society
  - Wind, geothermal and hydroelectric energy
  - Solar photovoltaic, electrochemical energy conversion, green hydrogen technologies
  - Biomass and bioenergy
  - Design of integrated energy systems
  - Environmental and policy aspects of sustainable energy
- **Pedagogical Tools:** Lectures, case studies, lab simulations, and project-based evaluation

## **Language and Internationalization**

- The first edition will be primarily in Spanish.
- Guest speakers from abroad will offer short lectures in English (with simultaneous translation).
- Future editions may be delivered fully bilingual or in English, depending on support and partnerships.

## **Certification**

Upon successful completion, participants may receive:

- University Diploma in Renewable Energies (UNSAM – Argentina)

## **Aims and Potential Impact**

- Foster skills and knowledge for sustainable energy transitions
- Provide accessible training to early-career scientists, especially in Latin America and the Global South
- Strengthen South–South cooperation and capacity building in renewable energy

## **Information**

Information on registration and costs will be sent via email:

[diplomaturaenergiasrenovables@intech.gov.ar](mailto:diplomaturaenergiasrenovables@intech.gov.ar)