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IPN to Advance the Transition to Sustainable Energy Through New Graduate Programs

- **The call for applications for the Master's and Doctorate in Science and Technology for Energy Transition will be published in April and will begin in August of the current year.**
- **Both programs will be offered across seven IPN campuses and delivered by a faculty of 46 highly specialized professionals.**

With a firm commitment to promoting the country's sustainable development, social responsibility, and the efficient use of clean energy, the Instituto Politécnico Nacional (IPN) will launch a Master's and a Doctoral Degree in Science and Technology for the Energy Transition beginning in the second semester of the 2026 academic year.

The design of these graduate programs, announced by IPN Director General Arturo Reyes Sandoval, responds to the need to advance effective solutions to sustainability challenges. The initiative aligns with the renewable energy transition policy promoted by President Claudia Sheinbaum Pardo, as well as with the guidelines established by the Secretary of Public Education, Mario Delgado Carrillo.

The program's coordinator, Dr. Rosa de Guadalupe González Huerta, professor and researcher at the Escuela Superior de Ingeniería Química e Industrias Extractivas (ESIQIE), explained that the degrees are designed to train scientists and technologists specialized in clean and sustainable energy, applied research, energy storage systems, energy consumption optimization, and sustainability assessment.

Prospective students may apply through the following IPN institutions: the Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional (CIIDIR), Oaxaca Unit; the Centro Mexicano para la Producción Más Limpia (CMP+L); the Escuela Superior de Ingeniería Mecánica y Eléctrica (ESIME), Azcapotzalco and Zacatenco Units; the Escuela Superior de Ingeniería Química e Industrias Extractivas (ESIQIE); the Unidad Profesional Interdisciplinaria de Energía y Movilidad (UPIEM); and the Unidad Profesional Interdisciplinaria de Ingeniería Campus Hidalgo (UPIIH).

The programs will begin in August 2026. The call for applications will be included in the IPN's graduate academic offerings to be published in April of this year. Both degrees will be delivered across seven campuses by a faculty of 46 highly specialized professionals.

Dr. González Huerta noted that both programs include three main areas of knowledge generation and application: technologies for the efficient use of clean energy; integrated energy systems and technological innovation management; and business models and regulatory frameworks. Accordingly, the admission profile is aimed at graduates from engineering, exact sciences, and social sciences disciplines with foundational knowledge in energy and sustainability.

The primary objective, she emphasized, is to train leaders in science and technology capable of designing, developing, and leading advanced research and innovation projects that support the energy transition. These efforts will focus on generating innovative solutions to global climate change challenges, promoting sustainable development, and strengthening Mexico's transition toward renewable energy sources.

According to Dr. González Huerta, the academic programs will actively address the country's growing demand for professionals specialized in renewable energy and sustainable processes, while enhancing Mexico's national and international competitiveness in the energy sector.

They will also foster the development of technology-based enterprises operating under sustainable and resilient energy models across the private, public, academic, and social sectors.

For further details on the Master's and Doctoral Degrees in Science and Technology for the Energy Transition, prospective applicants may visit:
https://www.ipn.mx/posgrado/convocatorias.html

For more information, visit www.ipn.mx

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