

**Postgraduate Specialized University Training Course on  
"Desalination and the Use of Renewable Energies"**

<b>Subjects treated</b>	The course contents were developed to provide students with the necessary knowledge to perform design tasks, process improvements, operation and exploitation of desalination plants, as well as to provide them with the knowledge to carry out research works in the field of desalination in general and, due to the importance of the topic, in projects related to the use of renewable energies.
<b>Estimated time of dedication</b>	90 hours
<b>Duration</b>	3 weeks
<b>Type of training</b>	Intensive face-to-face training of trainers in the area of desalination and the intrinsic use of renewable energies, which allows to form a number of selected students with different profiles so that they can transmit in turn the knowledge acquired.
<b>Addressed to</b>	Teachers of technical areas: in Secondary and Baccalaureate Schools, Training Cycles, University, etc. Master's/PhD students in industrial/chemical engineering. Water professionals involved in training or research in company.
<b>Programme</b>	Module 1: The water problem. Water characterization and regulation. Module 2: Introduction to desalination technologies. Overview of Reverse Osmosis technology. Module 3: Introduction to electro-mechanical, hydraulic and instrumentation and automation installations. Module 4: Economic, energy and environmental aspects of desalination. Module 5: New technologies in water desalination. Module 6: The application of renewable energies to desalination. Module 7: Marine energies and their potential use in desalination. Module 8: Technical and economic feasibility in water desalination under different strategies and scenarios. Module 9: Practical module in desalinated water plants produced by reverse osmosis. Module 10: Practical module on desalination with renewable energies.
<b>Responsible entity</b>	Universidad de Las Palmas de Gran Canaria (ULPGC), Instituto Tecnológico de Canarias (ITC), Plataforma Oceánica de Canarias (PLOCAN), Consejo Insular de Aguas de Gran Canaria (CIAGC) y Mancomunidad Intermunicipal del Sureste de Gran Canaria (MASURESTE).
<b>Available languages</b>	Spanish.
<b>Editions</b>	1 <sup>st</sup> edition (2019). 2 <sup>nd</sup> edition (pending).
<b>More info</b>	<a href="mailto:anamaria.blanco@ulpgc.es">anamaria.blanco@ulpgc.es</a>