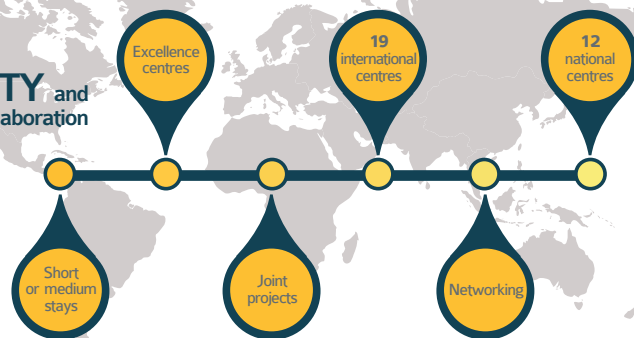


Mobility is an essential part of training for PhD's students. The aim is not only to inform to the students but also to provide them mobility opportunities to national or international excellence centers according with the network available by the research teams in the PhD program.

## ► MOBILITY and International Collaboration



International collaboration as a way to improve research competencies of the candidate in contact with external researchers and centers, with access to new working methods, new equipment and different infrastructures.

The doctoral program will support to PhD students in asking for national or international funding for mobility, under the scope of each research team.

## Doctoral program in

## Manufacturing Processes

## Materials

## Environment

# CHEMICAL, MECHANICAL AND MANUFACTURING ENGINEERING

## Chemical Engineering

## Mechanical Engineering

## ► MORE INFORMATION


### Doctoral School

 [edulpgc.ulpgc.es](mailto:edulpgc.ulpgc.es)  
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 (+34) 928 4580 56/57  
 [tercerciclo@ulpgc.es](mailto:tercerciclo@ulpgc.es)

### Subdirección de Tercer Ciclo y Posgrado

Camino Real de San Roque, 1  
35015 - Las Palmas de Gran Canaria  
Office hours: 9:00 am - 1:00 pm

### International Relations Office

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 (+34) 928 4510 75  
 [sie@ulpgc.es](mailto:sie@ulpgc.es)

### Doctoral Program Coordinator

 [www.quimefa.ulpgc.es](http://www.quimefa.ulpgc.es)  
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 (+34) 928 4586 17  
 [quimefa@ulpgc.es](mailto:quimefa@ulpgc.es)

**Doing your doctorate in the Canary Islands:**  
*bridge between three continents*

## ► MAIN RESEARCH FIELDS

### Manufacturing Processes Engineering

Processing and characterization of polymers  
Electroforming. Application to Rapid Tooling  
Characterization and development of  
Additive Manufacturing processes  
Natural fibres applied to industrial products  
Micromanufacturing



### Mechanical Engineering

Biomechanics  
Wind Energy Power  
Nanomaterials  
Corrosion of metals  
Biomaterials for medical engineering



### Chemical and Environmental Engineering

Photocatalysis and advanced technologies of oxidation  
Production of H<sub>2</sub> by heterogeneous photocatalysis  
Removal of organic pollutants and heavy metals in water  
Removal of VOCs and NO<sub>x</sub> in air  
Optimization of photocatalysis kinetic control



## ► CURRICULUM

Two program options are considered: working full time (3 years) and on a part time (5 years), according to current regulations.

### ► Training activities

#### TRANSVERSAL ACTIVITIES

Innovation and protection of IPR	20 h
Research and transfer of technology	30 h
Bibliographic references on results of research	10 h
Proposal of research project according to a call	10 h
Public presentation of developed research work	10 h

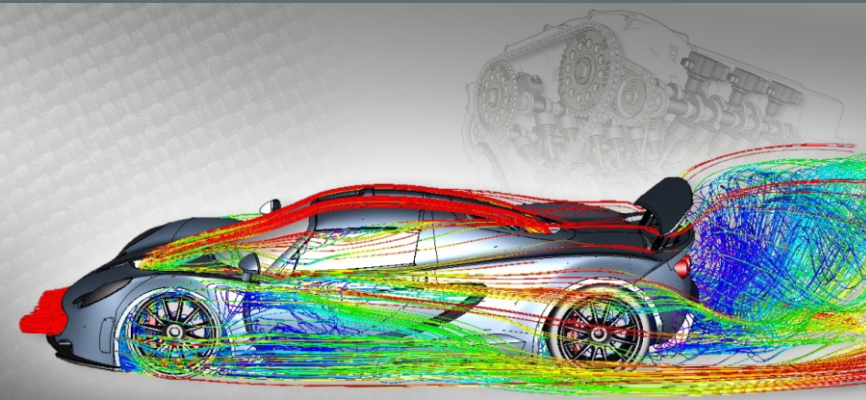
#### SPECIFIC ACTIVITIES

Preparation and presentation of papers in conferences	50 h
Edition of paper for indexed journal	60 h
Periodic revision of research work with external evaluators	10 h
Seminars for specific research specialization	60 h
Mobility to external research centres	150 - 450 h

## ► ENTRY REQUIREMENTS

Applicants, depending on their qualifications, are assigned to one of the following profiles:

- Students in possession of a **Master of Research in the field of Industrial Engineering** (Mechanical, Chemical, Manufacturing, Materials, Electrical, Electronic...), or its international equivalent qualification.<sup>1</sup>
- Students in possession of a **Professional or Academic Master degree in the field of Industrial Engineering**, or its international equivalent qualification.<sup>1,2</sup>
- Students in possession of a **Master of Research in the field of Engineering or Architecture** (different from the previous one), or its international equivalent qualification.<sup>1,2</sup>
- Students in possession of a **Professional or Academic Master degree in the field of Engineering or Architecture** (different from the previous one), or its international equivalent qualification.<sup>1,2</sup>
- Students in possession of a **Degree in Engineering, Architecture or equivalent area** whose duration, according to the regulations of the Community Law, is at least of 300 ECTS.<sup>2</sup>



<sup>1</sup> Whenever the title attests to an equivalent level to the corresponding Spanish degree and allows access to doctoral studies in the country of origin.

<sup>2</sup> In these cases, it is necessary to take additional training in order to acquire basic skills in research techniques related to the areas of the doctoral program.