

PHD IN CHEMICAL ENGINEERING (2021-22)

Código: E017	Fecha de aprobación: 12/06/2014	Precio: 300 € por curso académico
Créditos: Not defined	Título: Doctorate (ECTS)	

RAMA

Not defined

PLAN

PHD IN CHEMICAL ENGINEERING

TIPO DE ENSEÑANZA

Not defined

CENTROS DONDE SE IMPARTE

Doctoral School

ESTUDIO IMPARTIDO CONJUNTAMENTE CON

Solo se imparte en esta universidad

FECHAS DE EXAMEN

[Acceda al listado de fechas de examen para esta titulación.](#)

PLAN DE ESTUDIOS OFERTADO EN EL CURSO 2021-22

Leyenda: No ofertada Sin docencia

ÚNICO

TESIS DOCTORAL 1 créditos

Curso	Título	Créditos	Subject
-	THESIS	0	66666 - THE DOCTORAL THESIS

ASSIGNATURES

Curso	Título	Créditos	Subject
-	COMPLEMENTOS DE FORMACIÓN EN INVESTIGACIÓN	6	43261 - ADVANCED SEPARATION TECHNOLOGY
-	COMPLEMENTOS DE FORMACIÓN EN INVESTIGACIÓN	4,50	43263 - ADVANCED CHEMICAL REACTORS

Superado este bloque se obtiene
DOCTOR BY THE UNIVERSITY OF ALICANTE

CONTACT INFORMATION

PhD in Chemical Engineering

Academic Commission:

Coordinator: IGNACIO MARTÍN GULLÓN

Secretary: MARÍA DOLORES SAQUETE FERRÁNDIZ

Proposing body:

Chemical Engineering Department

diqui@ua.es

Doctoral School:

EDUA-Doctoral School of the University of Alicante

Germán Bernácer building, ground floor

Telephone number 965 90 3466

Contact EDUA

BASIC AND GENERAL COMPETENCES

BASIC

- CB11 - Systematic comprehension of a field of study and mastery of the skills and research methods related to said field.
- CB12 - Ability to conceive, design or create, put into practice and adopt a substantial research or creation process.
- CB13 - Ability to contribute to the expansion of knowledge barriers through original research.
- CB14 - Ability to carry out a critical and evaluative analysis and synthesize new and complex ideas.
- CB15 - Ability to communicate with the academic and scientific community as well as society in general regarding your fields of knowledge in the modes and languages used normally in your international scientific community.
- CB16 - Ability to foment scientific, technological, social, artistic or cultural advances within a knowledge-based society in academic and professional contexts.

PERSONAL SKILLS AND ABILITIES

- CA01 - To cope with contexts in which there is little specific information.
- CA02 - To find the key questions that must be answered to solve a complex problem.
- CA03 - To design, create, develop and carry out innovating projects in your field of knowledge.
- CA04 - To be able to work as a team and as an individual in an international and multidisciplinary context.
- CA05 - To process knowledge, cope with complexity and formulate judgements with limited information.
- CA06 - To criticise and defend solutions intellectually.

OTHER COMPETENCES

- OC1 - To acquire a specialised training in the field related to your research topic, process engineering, catalytic, energetic and environmental technologies, tools for simulation and optimisation, etc. that allows the advancement of a knowledge-based society and the improvement of sustainability of processes.

COMMON COMPULSORY TRANSVERSAL TRAINING ACTIVITIES

All students will have to do a series of transversal activities; some are common to all doctoral programs whereas others are specific to each individual program.

The vehicular languages will be Spanish and Valencian.

The activities are the following:

- ACTIVITY 1: Tools for the management and recovery of information.
- ACTIVITY 2: Goals and objectives of research
- ACTIVITY 3: Scientific communication models
- ACTIVITY 4: Transfer of knowledge models

For more information check the [Doctoral School's webpage](#).

SPECIFIC COMPULSORY TRANSVERSAL TRAINING ACTIVITIES

The activities are the following:

- ACTIVITY 1: Tutorials
- ACTIVITY 2: Elaboration of scientific documents

OPTIONAL TRANSVERSAL TRAINING ACTIVITIES

The activities are the following:

- ACTIVITY 1: Seminars and research workshops
- ACTIVITY 2: Seminars for doctoral students
- ACTIVITY 3: Presentation of scientific communications
- ACTIVITY 4: Stays at Universities and Higher Research Centres

For more information, check the proposing body. [Chemical Engineering Department](#)

RESEARCH AREAS

1. Characterisation, treatment and utilisation of residues.
2. Solid-fluid separation.
3. Simulation, optimisation and synthesis of chemical processes.
4. Membrane separation process.
5. Balance between phases and their application to industrial processes
6. Technology and applications of carbon and graphene materials.
7. Pyrolysis, gasification and combustion.
8. Polymer processing. Nanocomposites. Foams.
9. Catalyst development.
10. Cultivation of microalgae and their application.
11. Environmental engineering.
12. Atmospheric contamination. (Inorganic and COPs)
13. Water quality and application of environmental models.
14. Development of industrial processes

ADMISSION PROCEDURE

1. To be admitted in a doctoral program at the University of Alicante, it is necessary to fill in an [electronic pre-registration form](#), available annually on the [EDUA website](#).
2. Before starting the pre-registration process, it is advisable to consult the website of the chosen doctoral program in order to know the admission requirements demanded by the program.
3. The Academic Commissions (AC) are in charge of the admission process in the different doctoral programs.
4. The academic commissions decide annually the offer of places in every doctoral program according to the preconditions established in its Verified Memory. The commission may determine not to offer places when not having directors or tutors at any research line.
5. If the resolution is of "no admission", in the computer application the reasons for the same will be detailed, having a calendar month to formulate an appeal before the AC; from the date of the resolution.

ACCESS PROCEDURE

1. In parallel with the admission process carried out by the AC, the Doctoral School (EDUA) verifies that the documentation provided is the one requested in the pre-registration form.
2. Applicants with higher studies attained in countries different from the EHEA*, at the moment of pre-registration process should pay an administrative fee for the study of their documentation, (equivalence study). The price of the rate is fixed annually by the Government of the Generalitat Valencia, by Decree.
3. People who do not provide the documentation in the terms required in the access process, may rectify this incident within 15 calendar days, from EDUA communication or, exceptionally, within the period determined by EDUA according to the concurrent circumstances.
4. When the incidents detected have not been resolved in the form and time determined by EDUA, the originated file academic record will be closed, without further processing.
5. The Doctorate School will proceed to open academic records to those who have been admitted by the AC and have correctly provided the required documentation, sending them an email with instructions to complete the enrolment process.

When the result is "no admission" it is possible to consult the grounds in the available electronic application. It is possible to raise administrative appeal (recurso de alzada) against AC resolution, within a month since resolution date.

*EHEA: European High Education Area

Registered in the Record of Universities, Centres and Degrees (RUCT)

Authorization Comunidad Valenciana: 28/03/2014

Published BOE 12/06/2014

REGULATION

Royal Decree 99/2011, January 28, which regulates official doctoral degrees (Official State bulletin number 35, February 10 2011)

[Verified Report](#)

[Resolution from the Universities Council: Positive verification](#)

[Resolution from the Universities Council: Accreditation renewal](#)

[Authorization from the Valencian Government](#)

INTERNAL QUALITY ASSURANCE SYSTEM (SGIC) OF THE DEGREE

- Structure of the Centre for Quality
 - [Comission of Internal Quality Guarantee](#)
 - [Other Commissions](#)
- [SGIC Handbook](#)
- [Procedures](#)
 - [Strategic \(PE\)](#)
 - [Key \(PC\)](#)
 - [Support \(PA\)](#)
 - [Measurement \(PM\)](#)

[Management of the SGIC](#) (Acces to ASTUA)

DEGREE MONITORING

- [Self-reports UA](#)
- [AVAP External reports](#)
- [Other reports](#)
- Improvement plans
- [Progress and learning outcomes](#)