

DOCTORAL PROGRAMS

Theoretical and Computational Chemistry

Identificative data of the program

Code	H1205
Denomination	Theoretical and Computational Chemistry
Areas of the program	Ciències
Maximum number of students	20
URL of the program	http://www.ikasketak.ehu.es/p075-8932/es/contenidos/informacion/oferta_doctorado/es_oferta/oferta.html

Coordinator

Name	Juan José Novoa Vide
Department	QUÍMICA FÍSICA
Centre	FACULTAT DE QUÍMICA
E-mail	juan.novoa@ub.edu
Telephone	93 402 12 28
Fax	93 402 12 31

Training period

UB master/s which is/are partially or totally integrated in this period:

Master

Química Avançada	Total
Química teòrica i computacional	Total

Research period

General objectives of the program

The main goal of this doctorate program is to give a solid research formation in Theoretical and Computational Chemistry, to those students who want to specialize in this field at the University of Barcelona.

Procedimientos, requisitos y criterios específicos de admisión al programa, así como de valoración de los méritos de las personas candidatas.

Admission criteria:

Students who want to be accepted must have a Master in Theoretical and Computational Chemistry from a well known university, or a similar degree. Under special circumstances, students from other degrees or specialities can be accepted in the doctorate, under the condition that they have to take some extra courses of the Masters in Theoretical and Computational Chemistry of the UB.

Admission Procedure:

All students who want to be accepted in the Doctorate have to apply during the time specified by the University of Barcelona. The students will present their CV and also a Research Project directed by one of the researchers that participate in the Doctoarte. An evaluation committee, formed by the Coordinator Secretary and Vocal of the Doctorate, will evaluate all proposals in less than one month, and make public these results and the criteria employed.

Evaluation criteria:

The evaluation will be based on the B. Sc. and Master academic records, quality of the Research project, and on the research curriculum vitae of the applicants (particularly, publications in well known journals).

Complements específics de formació en recerca, a cursar en màsters de la UB, que es considerin necessaris i activitats que hauran de seguir-se durant el període de recerca (seminaris, cursos metodològics o altres activitats formatives programades)

The students of this doctorate will present each year one seminar describing their research. This seminar will be used as criteria to renew their participation in the program.

They also are expected to participate in all research seminars on Theoretical and Computational Chemistry delivered in their departments.

Offered research lines, teachers and researchers and registering centers

[+] 100781 Química teórica y computacional de los materiales

[+] 100787 Química teórica y computacional de superficies

[+] 100788 Química teórica y computacional de biomateriales

[+] 100789 Química teórica y computacional de disoluciones

[+] 100791 Metodología de la Química teórica y computacional

[+] 100792 Química teórica y computacional de la dinámica de reacciones

General information

Procedimientos para la admisión y el seguimiento del proyecto de tesis

The evaluation will be based on the B. Sc. and Master academic records, quality of the Research Project proposed, and on the research curriculum vitae of the applicants (particularly, publications in well known journals). The Research Project should be in written form, will have five pages maximum, and should describe the background of the project, its main goals proposed, and the methodology to be employed.

After their acceptance, each year these students will present the work done on the project the previous year as a seminar to the department. As a final part of this seminar, he also has to describe the part of the project he wants to develop the following year.

Procesos administrativos (plazos y procedimientos de preinscripción) y otros datos de interés para el estudiante sobre el programa.

The administrative procedures and deadlines will follow those proposed by the UB for all doctorate programs.

Procedimientos para que el estudiante, si lo desea, pueda formular reclamaciones en relación con el programa.

The students are welcome to present written complains on any aspect of the Doctorate to the Doctorate Committee, which will resolve them in written form in less than one month. If they disagree with the Committee reply, they are welcome to present their disagreement to the appropriate administrative bodies of the UB.