



UNIVERSITAT  
ROVIRA I VIRGILI  
Facultat de Química



Institut Català  
d'Investigació Química

# Master in Synthesis, Catalysis and Molecular Design

“Comprehensive knowledge  
on synthetic and catalytic  
processes, from laboratory  
to industrial scale”

An R&D+I  
oriented Master

State-of-the-art research  
facilities in an interna-  
tional and inspiring  
campus university.

1  
year

60  
credits



English

**Close supervision and support  
from our researchers.**

**Careers service.**

For further information about  
this Master's degree:

[www.quimica.urv.es/mscmd/](http://www.quimica.urv.es/mscmd/)

ICIQ/URV Campus Sescelades, 43007  
43007 Tarragona (Spain)  
[iciq.org](http://iciq.org) | [urv.cat](http://urv.cat)

*Theoretical courses  
+ master project*





# Excellent training for a great performance...



## ...in the lab

*Access to  
doctorate studies*

Development of sustainable synthetic processes.

Methodologies and design of synthetic routes to obtain new products with the help of computational tools.

Use of modern techniques of structural characterization of molecular compounds, surfaces and solids.

## ...in industry

Development of fine chemicals, pharmaceutical compounds, agrochemicals, phytosanitaires, intelligent materials and polymer synthesis.

Scale-up of chemical processes.

Implementation of environmental solutions.

*Access to leading  
productive sectors*



## Enjoy Mediterranean Life!

We are located in **Tarragona**, 100 km South of Barcelona. Tarragona has beautiful beaches and a neighbouring countryside full of almond and olive groves. Tarragona offers a **great quality of life** and is a lively city with many popular festivals.



## Scholarships: Apply now!

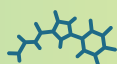
Both the URV and ICIQ have **scholarship programmes** to pursue the master's degree in Synthesis, Catalysis and Molecular Design. You can browse the master projects that ICIQ and the URV offer and the conditions and requirements for each scholarship programme **in the following links:**

**ICIQ's master projects**  
fellowship programme

**URV's master projects**  
fellowship programme



UNIVERSITAT  
ROVIRA I VIRGILI  
Facultat de Química



**ICIQ**

Institut Català  
d'Investigació Química