

## MIQUI

### What will you learn in the MIQUI?

- Processes and product engineering
- Advanced design and operations of reactor and unit operations
- Management, prevention and treatment of industrial pollution
- Comprehensive management of quality, environment and security
- Use of specialized software for the analysis and simulation of advanced chemical processes
- Applied innovation
- Business administration and management
- Professional and occupational integration

### Who is it addressed to?

Students who hold a Bachelor in Chemical Engineering (or a Bachelor in Industrial Engineering with knowledge of Industrial Chemical Technology) have direct access to this Master's Programme.

Students who hold different scientific and technical Bachelors (such as Engineering, Biotechnology, etc.) could also access, but they will need to complete additional bridging courses to undertake the studies with guarantees.



Metrovalencia. Line 4 (TVV stop)  
EMT. Line 63 (Xàtiva – Noves Facultats)  
Metrobus. Line 165 (Quart de Poblet – Manises – Paterna – Burjassot)  
Valenbisi Mibisi Bike lane (València – Burjassot)

Universitat de València  
Escola Tècnica Superior d'Enginyeria  
Campus de Burjassot - Paterna

Avda. de la Universidad s/n  
46100 Burjassot, València

Tel. 963 543 211 (Secretary)  
Fax. 963 543 207  
Mail – [miqui@uv.es](mailto:miqui@uv.es)  
Web – [www.uv.es/miqui](http://www.uv.es/miqui)



@etseuv

## ETSE-UV

### UNIVERSITAT DE VALÈNCIA

This Master's Degree provides students with an advanced training in the field of Chemical Engineering to address the high demand for professional experts within the companies of this sector, especially within the most relevant and innovative ones.

## Master's Degree in Chemical Engineering

This Master's Programme stands out for a very interesting applied focus, thanks to the seminars and internships, the high professional acknowledgement of its graduates and its international repercussion (double degree with the Università degli Studi di Genova, stages abroad, etc.).

Accept the challenge.

[www.uv.es/miqui](http://www.uv.es/miqui)



ETSE-UV  
Escola Tècnica Superior d'Enginyeria  
Universitat de València

UNIVERSITAT DE VALÈNCIA

#etseuv

## Academic Programme

### Primer Semestre

Business Administration and Management **4.5 ECTS**  
Comprehensive Management of Quality, Safety and R+D+I **1 4 ECTS**  
Transport Phenomena **4.5 ECTS**  
Process Design and Product Engineering **4.5 ECTS**  
Advanced Reactors **6 ECTS**  
Management and Treatment of Industrial Emissions and Waste **6.5 ECTS**

### Segundo Semestre

Advanced Separation Processes **6 ECTS**  
Simulation and Advanced Optimisation of Processes **6 ECTS**  
Advanced Separation Processes **6 ECTS**  
Optativitat **9 ECTS** Choose two out of four subjects:  
Organic Chemistry Processes and Products **3 ECTS**  
Inorganic Chemistry Processes and Products **3 ECTS**  
Biotechnological Processes **3 ECTS**  
Polymer Science and Technology **3 ECTS**  
Applied Electrochemical Technology **3 ECTS**

### Tercer Semestre

Comprehensive Management of Quality, Safety and R+D+I **2 3 ECTS**  
External internships **12 ECTS**  
Master's Thesis **15 ECTS**

# Master's Degree in Chemical Engineering

The Master's Degree consists of 90 ECTS with a structure based on the subjects to be studied over the terms. The first course consists of 60 ECTS (September-July). Third semester is Dedicated mainly to External Internships & Final Master's Thesis.

30 places

MIQUI

UNIVERSITAT  
DE VALÈNCIA

ETSE-UV

## Studying MIQUI at ETSE-UV

- Highly practical training: compulsory external internship and the option to get an extension with extracurricular internships
- Maximum of 30 students
- Seminars taught by professionals
- Experienced staff in teaching, research and industrial transference

## Career opportunities

Sectors: chemical processes industry and other related industries (food, refining, environmental and biotechnological applications, etc.) as well as engineering, consulting and technical advice for private companies and for the public sector.

Careers: project management, operations and product design, plants and systems maintenance, management, research, development and innovation tasks, consulting, auditing of integrated management systems (quality, environment, prevention), project assessment, legal and technical advice and university and secondary teaching.

Chemical engineers are qualified to work in many scientific and technological areas which are very well consolidated and have great prospect of development

## Connection with doctoral studies

Possibility to join to the Doctoral Programme in Chemical, Environmental and Processes Engineering of the Department of Chemical Engineering which holds various excellence mentions.

Campus de Burjassot - Paterna

ETSE-UV  
Escola Tècnica Superior d'Enginyeria  
Universitat de València

UNIVERSITAT  
DE VALÈNCIA

#etseuv