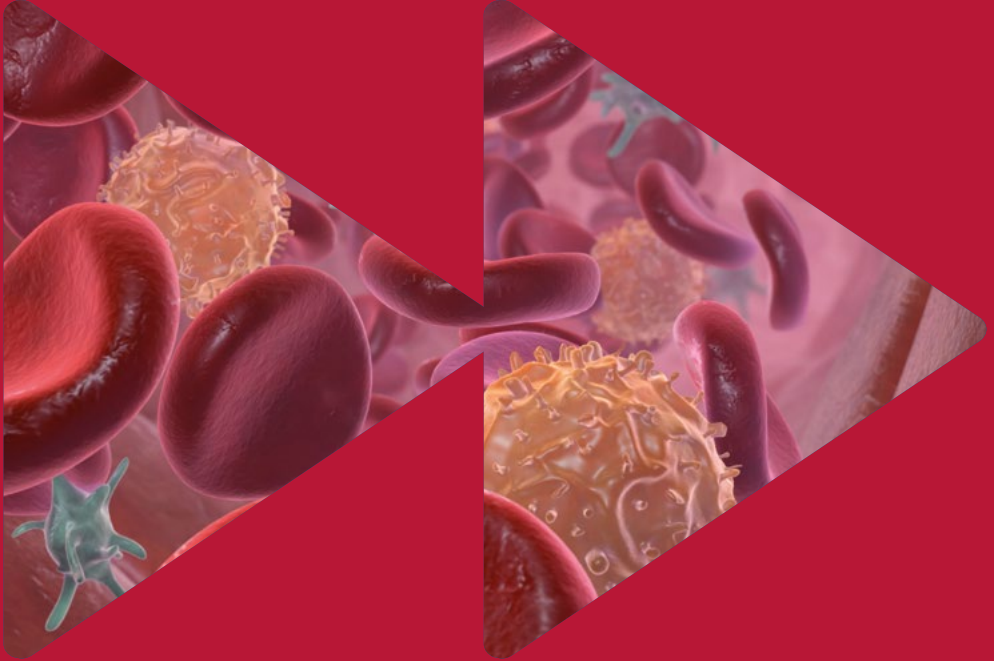




UNIVERSIDAD  
COMPLUTENSE  
MADRID



Master's Degree  
Faculty of Medicine

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RESEARCH  
IN IMMUNOLOGY

# MASTER'S DEGREE RESEARCH IN IMMUNOLOGY

Field of Knowledge: **Biomédical Sciences**  
Responsible Center: **Faculty of Medicine.**  
**Universidad Complutense de Madrid (UCM)**

[www.ucm.es/mastereninmunologia](http://www.ucm.es/mastereninmunologia)

Orientation: **scientific and professional**  
Credits: **60 ECTS**  
Duration: **1 academic year (2 semesters)**  
Mode: **in-person**  
Language: **spanish and english**

## OBJETIVES

The main objectives of the Master's Degree are:

- To provide advanced specialized training in immunology.
- To develop skills to apply knowledge in immunology to the creative solution of scientific research problems.
- To promote scientific research in immunology, improving the student's chances of integration in academic, health and industrial sectors, public or private facilitating access to PhD programs.
- To develop oral and written communication skills, autonomous learning, teamwork and critical analysis of the scientific literature in immunology.
- Promote maximum respect for the environment and sustainable development, maintaining a professional and social ethical commitment.

## TARGET AUDIENCE

This Master's program is intended for graduates in Biomedical Sciences or related fields, with a basic understanding of immunology.

Admission requirements:

- An official Spanish university degree or a degree from a higher education institution within the European Higher Education Area that qualifies the holder for postgraduate studies in the issuing country.
- A university degree from educational systems outside the European Higher Education Area, without the need for degree recognition, provided that the UCM verifies that the degree corresponds to a level of education equivalent to official degrees.
- For non-Spanish-speaking foreign students, documentary evidence of sufficient proficiency in Spanish is required for subjects in Spanish.
- For students taking the Master's entirely in English, documentary evidence of sufficient English proficiency is required.

## WHY STUDY THIS MASTER'S PROGRAM?

This Master's offers excellent training for students wishing to continue their academic education and pursue PhD programs, such as "Biomedical Research" or "Research in Medical-Surgical Sciences" offered by the UCM.

Moreover, it enhances the employability of graduates, enabling them to join research teams in both public and private institutions, including universities, healthcare research institutes, hospitals, and

R&D departments of pharmaceutical and biotech companies.

The MSc program offers students the option of taking selected or all subjects in English.

## STRUCTURE

The Master's program comprises 60 ECTS, distributed across a mixed structure of modules and courses.

**Fundamental Immunology Module:** 24 mandatory ECTS (6 courses), focused on foundational training in immunology research

**Advanced Immunology Module:** 6 optional ECTS (5 courses), allowing students to specialize in key areas of clinical and basic immunology, contributing to comprehensive immunology research training

**Master's Thesis:** 30 mandatory ECTS, providing students with the opportunity to extend their laboratory experience by applying the knowledge gained in other Master's courses

Students are required to complete 6 mandatory courses, 2 optional courses, and the Master's Thesis.

## CURRICULUM

COURSE TYPE	ECTS
Mandatory	24
Optional	6
Master's Thesis	30
<b>Total</b>	<b>60</b>

MANDATORY COURSES	ECTS	SEMESTER
<b>Fundamental Immunology Module</b>		
Animal Models in Immunology (Spanish and English group)	3	1º
Cellular and Tissue Immunology (Spanish or English group)	3	1º
Human and Clinical Immunology (Spanish or English group)	6	1º
Immunotechnology (Spanish and English group)	6	1º
Molecular Immunology (Spanish and English group)	3	1º
Pathogen Immune System Interaction (Spanish and English group)	3	1º

OPTIONAL COURSES	ECTS	SEMESTER
<b>Advanced Immunology Module</b>		
Cancer Immunotherapy and Immunopathies (Spanish and English group)	3	1º
Complement Pathophysiology (Spanish group)	3	1º
Immunonutrition (Spanish group)	3	1º
Metabolic Diseases and Immunity (English group)	3	1º
Neuroimmunology (Spanish group)	3	1º
Transplant Immunogenetics (Spanish group)	3	1º

MASTER'S THESIS	ECTS	SEMESTER
Master's Thesis (Spanish and English group, pending approval)	30	2º



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Másteres UCM



Faculty of Medicine

Campus de Moncloa

[medicina.ucm.es](http://medicina.ucm.es)

For more information: [www.ucm.es/mastereninmunologia](http://www.ucm.es/mastereninmunologia)

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[www.ucm.es](http://www.ucm.es)

