

# UNIVERSITY MASTER'S DEGREE IN Research in Dentistry (official)



The University Master's Degree in Dentistry Research teaches clinical and laboratory research skills that delve into specific dentistry research methodologies.

UIC Barcelona is the ideal setting for this type of advanced training in dental research due to several factors: the numerous lines of research explored by the different departments of the Faculty; the close relationship with the dental and pharmaceutical industry in the execution of projects; and our fully equipped research laboratories.

The main objective of University Master's Degree in Research in Dentistry is to provide the conceptual, methodological knowledge and tools needed to pursue a doctoral programme in the field of oral health, following a methodology based on ethics and scientific evidence.

Application  
for admission



## PROGRAMME TYPE

Official Máster's Degree

## DURATION

1 academic year

## TYPE

Online + on-campus

## HOURS

Part-time

## CREDITS

60 ECTS

## PRICE\*

11.549 €

## ACREDITATION

University Master's Degree in Research in Dentistry

## LOCATION

Campus Sant Cugat

## PRIMARY LANGUAGE

English



\*Programme pending final approval

## **Chairman and Programme Director**

Dr Marta Satorres Nieto



## **Coordination**

Dr Óscar Salomó

## **Academic Board**

Dr Jordi Cano Batalla, Dr Natalia Felipe Spada, Dr Elviar Ferrés Amat, Dr Estel Gil Guiñón, Dr Adrián González Marrón, Dr Josep Maria Huguet Casades, Dr Sergio Irazusta Hernández, Dr Naroa Lozano Carrascal, Dr Ignacio Macpherson Mayo, Dr María José Martínez Zapata, Dr Antoni Parada Martínez, Dr Lissethe Peñate González, Dr Óscar Salomó, Dr Fatma Badem, Dr Sergio Iserte, Dr Uciel Pablo.

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Academic year: September 2026 to July 2027  
Preregistration open from January 2026



## COURSE OBJECTIVES

- Provide students with the knowledge and skills necessary to produce effective clinical and research materials in the field of dentistry.
- Promote the acquisition of knowledge, skills, attitudes and scientific behaviour that facilitates effective interaction that is suited to resolving research problems.
- Promote research in dentistry and continuing education for the study of new techniques and improvements in the dental profession.
- Provide up-to-date knowledge that allows students to understand the wide array of issues that affect dentistry research in order to make them competent in a wide area of skills. This includes searching for, research and analysis, problem-solving, handling of materials and tools, planning, communication, coordination and teamwork, as well as understanding their significance in research and competently carrying out a multidisciplinary research project.
- To train students to be experts in scientific method, capable of planning, executing and interpreting the results of research projects, taking into account economic, regulatory, legal, ethical and humanitarian aspects.

- To train students to be experts in the molecular basis of diagnosis and the treatment of the most common diseases in the field of dentistry.
- To enable students to develop a solid foundation in the use of methodological and instrumental research techniques, facilitating contributions to research in both public and private laboratories.
- To give the option of complementing clinical training with a solid background in research.

## **PROGRAMME**

### **WILL BE DISTRIBUTED IN 3 MODULES:**

#### **Module 1: Research methodology based on scientific evidence**

Students will acquire an appropriate statistical basis to analyse and communicate research results, know how to look for scientific information in the appropriate channels, learn about the different phases of clinical research and materials, develop an experimental design of a research project, and know how to scientifically present and communicate the results. This module will prepare students to deal with issues related to human research, the animal testing laboratory and ethical practices, while ensuring regulatory compliance. In addition, students will learn how to manage human and material resources for research and the transfer of knowledge to industry.

## **Module 2: Research tools in dentistry**

This module will provide the basis for the Final Master's Project in a line of work established by the Faculty of Dentistry and, more specifically, in the specialised area of dentistry. Students will take a more in-depth look at clinical concepts from the different areas of dentistry: surgery, periodontics, paediatric dentistry, orthodontics, restorative dentistry, endodontics and dental materials, all referring to the chosen area of knowledge and, more specifically, in one of the research lines in their specialty. We understand that, for a comprehensive training in research subjects, it is important that students attend and actively participate in scientific conferences within their field of interest. Through this module we also intend to encourage students to participate actively in the transfer of results to the rest of the scientific community.

Advanced Techniques in Research Applied to Dentistry is focused so that students can acquire the necessary knowledge to apply new advances in research and/or clinical practice. In this area, students will learn the main experimental models and techniques/tools frequently used in the different dental areas.

Advanced Technologies and Applications of Artificial Intelligence in Dentistry will include content on the different technological advances that can be applied to perform clinical or laboratory research in the field of dentistry. While studying the subjects the students will learn about the use and possibilities of computing for obtaining, storing and extracting data used in dental research.

## **Module 3: Final Master's Degree Project**

This module covers ECTS which are part of the Research Protocol subject, aimed at consolidating the principles of the scientific methodology for the design of a research project leading to the Final Master's Degree Project.

It also includes ECTS, which are part of the Final Master's Degree Project subject, in which the students use methodological skills to carry out the practical part of the research, actively developing the final master's degree project.

The research proposed in the project will be carried out throughout the master's programme under the TFM supervisor, assigned by the programme's Board of Directors. The follow-up process by the supervisor, the drafting of the TFM research report and its defence will be done in accordance with the current assessment regulations of UIC Barcelona. The supervisor designated by the programme's Board of Directors will ensure that all the necessary competences are acquired.

The students prepare a report of the research protocol of the TFM structured according to the guidelines of the Scientific Commission within the indicated deadlines. The assessment by the TFM supervisor will focus on the scientific and methodological rigour of the project, the relevance of the bibliographical review, the methodological adherence to the hypothesis, and the experiment and project design. The Scientific Commission of the Faculty of Dentistry will periodically review the assessment system to ensure scientific quality in improving student training.

The students prepare a TFM report structured according to the guidelines of the Scientific Commission within the indicated deadlines. Once the Final Master's Degree Project has been submitted, it will be sent to the members of the panel and the students will be authorised to proceed to the oral defence of the TFM before a panel chosen by the Faculty Board of the Faculty of Dentistry on the proposal of the programme's Board of Directors. The assignment of the assessment panel is governed according to the provisions of the internal regulations of Final Bachelor's Degree and Final Master's Degree Projects at the University.

The assessment system for the Final Master's Degree Project will focus on evaluating the scientific and methodological rigour of the work carried out, which may include relevance of the bibliographical review, methodological adherence to the hypothesis, critical analysis of the results, and conclusions, etc. The Scientific Committee of the Faculty of Dentistry will periodically review the assessment system to guarantee scientific quality in student training improvements.

## **CURRICULUM**

### **RESEARCH METHODOLOGY BASED ON SCIENTIFIC EVIDENCE**

- Scientific Methodology
- Scientific Writing
- Ethics of Research
- Research Management

### **RESEARCH TOOLS IN DENTISTRY**

- Advanced Research Techniques Applied to Dentistry
- Advanced Technologies and Applications of Artificial Intelligence in Dentistry

### **FINAL MASTER'S DEGREE PROJECT**

- Research Protocol
- Final Master's Degree Project

## ADMISSION PROFILE

The Master's Degree in Research in Dentistry is aimed at graduates of Dentistry.

The candidate students must have demonstrable knowledge of English, interest in research, patience and observational capacity, as well as discipline and the ability to become a responsible and supportive member of a research team.

## ADMISSION CRITERIA

The admission tests consist of a weighted evaluation of the academic record, personal profile, motivations and aptitudes, which will have the following criteria:

- Personal interview
- Academic record
- English test

To start the admission process, you complete the **admission form** and submit all the required documentation:

- Bachelor's degree\*
- Academic certificate of qualifications (transcript)\*
- ID or Passport
- Curriculum Vitae
- General Terms and Conditions document signed.
- Letter(s) of recommendation (recommended, not compulsory)

\*For students from outside the European Union, both their qualifications and their degree qualification must be attested through diplomatic route or carry a Hague Apostille. (The degree qualification does not need to have been officially homologated). Candidates who are in the last year of their degree programme must provide an academic certificate o the qualifications they have obtained at the time they register.

Once all documentation has been received and checked for validity, the registration fee (€90\*\*) must be paid (former UIC Barcelona graduates alumni are exempt from this fee).

\*\*Non-refundable administration fees.

## ¿HOW CAN WE HELP YOU?



Paola Lago / Marta Utset: [infodonto@uic.es](mailto:infodonto@uic.es)

Application for  
admission



UIC Barcelona's facilities are state-of-the-art, particularly its University Dental Clinic, where students have access to excellent and appropriate equipment and digital/IT resources. The centre is renowned for its use of new technologies such as CAD-CAM, 3D and conscious sedation.

The University Dental Clinic (CUO) has **88** booths for dental practice and receives about **75,000 appointments per year**.

It has a new Technologies Classroom:

- OXO Core with software (OXO Fit and OXO Jaw)
- Allisone software license
- PrepCheck software license
- 3D printer
- Digital Axiograph including ProAxis, ProArc, ProStand, SDiMatriX Studio, Prosthetic Module, SDi Module (SDi Matrix)
- Curing lamp
- Guided surgery system
- Interactive screen
- z4 Computers
- 3D mice
- Intraoral scanner

It also has two prosthetic laboratories equipped with the latest CAD-CAM digital imaging technologies; six laboratories, including one dedicated to dental research; and a pre-clinical laboratory with 95 dental simulators, X-ray equipment and digital radiology tools for hands-on dentistry practice.

Virtual reality simulation laboratory and a new laboratory for continuing education courses.

All dental equipment is fitted with intraoral radiology for additional testing. The centre has two diagnostic imaging rooms equipped with CBCT, panoramic radiology and iCat 3D systems.

Option to stream dental procedures in real time.

Computerised storage system for material collection and delivery.

Sterilisation service for all medical instruments and materials used; steam and plasma sterilisation.

We use dental management software to monitor both patients and students.

The Sant Cugat Campus library has an area of 1,201.53 m<sup>2</sup>. 374 study spaces distributed across the library; and three additional study rooms.



Universitat Internacional de Catalunya has students of over **59 nationalities**, collaboration agreements with industry, company chairs, and agreements signed with health centres and social services.

**The Faculty of Dentistry at UIC Barcelona is one of the most internationally renowned.**

**Top rankings 2024-2025:**

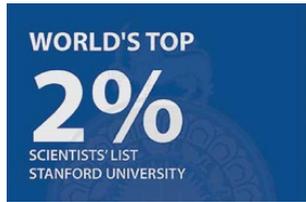
- CYD - 1st position nationally
- El Mundo - 2nd position nationally
- QS World University Ranking - 2nd position nationally
- Shanghai Global Ranking - 3rd position nationally



UIC Barcelona is the first national university to be accredited by the **American Dental Association's** as Continuing Education Provider Recognition Program (**ADA CERP**).

**ADA C·E·R·P**® | Continuing Education Recognition Program

Universitat Internacional de Catalunya, Fundació Privada is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. Concerns or complaints about a CE provider may be directed to the provider or to the Commission for Continuing Education Provider Recognition at [CCEPR.ada.org](http://CCEPR.ada.org).



The Faculty of Dentistry has once again been recognised this year with the inclusion of four of its lecturers in Stanford University's Ranking of the World Scientists: World's Top 2% Scientists, an international benchmark that lists the top 2% of the world's most cited researchers.



The Faculty of Dentistry has completed the 3rd year of the programme and has been awarded the certificate of the Association of Dental Education in Europe in recognition of dedication and continuous improvement in the quality of dental education.



The 2030 Agenda on Sustainable Development adopted by the UN has 17 Sustainable Development Goals (SDGs), which aim to achieve equality among people, protect the planet, ensure prosperity, promote peace and build partnerships. **In the SDGs, UIC Barcelona has found a roadmap for the implementation of the University's mission and vision.**



Dr. Lluís Giner,  
dean of the Faculty  
of Dentistry.

“You have to specialise if  
you want to stand out  
from the crowd”