

ORTD2MC

2013 - 2014

Advanced Master in Orthodontics

At Bruxelles Woluwe - 240 credits - 4 years - Day schedule - In frenchDissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **NO** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences dentaires**Organized by: **Faculté de médecine et médecine dentaire (MEDE)**Programme code: **ortd2mc** - European Qualifications Framework (EQF): 7**Table of contents**

Introduction	2
Admission	3
Information	4
- Learning outcomes	4
- Evaluation	4
Contacts	5
Detailed programme	6
- Programme structure	6
- Programme by subject	6

ORTD2MC - Introduction

ORTD2MC - Admission

For the specific conditions of this program : refer to the French version

Decree of March 31st 2004 defining higher education, favoring its integration in the European framework of higher education and refinancing universities.

The admission requirements have to be met at the time of enrolment at the university.

All information can be obtained from the [University's Enrolment Office \(Service des inscriptions – SIC\)](#).

The following students, after meeting the conditions set by the academic authorities, have access to the complementary Master's degree with the aim of obtaining the grade that these studies sanction:

- An academic Master's degree within the same field allowing 2nd-cycle studies, including at least 120 credits
- An academic Master's degree, following a decision by the academic authorities, under the complementary conditions that they set and as a result of a motivated decision by the jury
- An academic grade which is similar to those mentioned above, issued by the Flemish Community, the German Community or the Royal Military Academy, under the same conditions
- A foreign academic grade that has been acknowledged as being equivalent to those mentioned above, in application of this decree, a European-level directive or an international convention, under the same conditions
- Under the same conditions, one or several titles or academic grade issued by the Flemish Community, the German Community or the Royal Military Academy, sanctioning 2nd-cycle studies and valued at least 300 credits by the jury, or sanctioning 2nd-cycle studies and valued at least 240 credits completed of 60 credits, the all that must be valued by the jury according to the decree of March 31st, 2004 (art 54, 5 °)

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail

ORTD2MC - Information

Learning outcomes

The objective of this Advanced 2nd cycle programme is to prepare dentists to gain professional status as specialist dentists in orthodontics. (Ministerial Orders of 28 May 2001 and 11 June 2001 published 5 July 2001.)

Evaluation

There is an assessment of candidates' theoretical and practical knowledge at the end of each year which enables the programme committee to validate the academic year. At the end of the course, assessment is based on a test of candidates' theoretical and practical knowledge, on the report of the placement supervisors, on the presentation of twenty cases which have been treated and fully documented, on the presentation of a case at a public session as well as the defence of an original dissertation or article for publication in a leading international journal.

When the above requirements have been fulfilled, the programme committee will award the academic qualification of Advanced Master in Orthodontics.

This is not a substitute for recognition by the ministerial committee. It is evidence of academic and scientific training in the context of specialized training leading to the award of professional status.

To have their training period validated by the ministerial committee for orthodontics, candidates must submit their training record book, duly completed, at the end of each year of training.

ORTD2MC - Contacts

Curriculum Managment

Entite de la structure MEDE

Sigle	MEDE
Dénomination	Faculté de médecine et médecine dentaire
Adresse	Avenue Mounier, 50 bte B1.50.04 1200 Woluwe-Saint-Lambert Tél 02 764 50 20 - Fax 02 764 50 35
Secteur	Secteur des sciences de la santé (SSS)
Faculté	Faculté de médecine et médecine dentaire (MEDE)
Mandats	Dominique Vanpee Doyen
Commissions de programme	Commission du master complémentaire en médecine générale (CAMG) Commission des certificats en radioprotection (CRPR) Commission des masters complémentaires et certificats en médecine spécialisée (MCCM) Ecole de médecine dentaire et de stomatologie (MDEN) Ecole de médecine (MED)

Academic Supervisor : [Myriam Delatte](#)

Jury

Usefull Contacts

ORTD2MC - Detailed programme

Programme structure

The full-time training lasts four years and comprises a theoretical part (at least 180 hours per year), a pre-clinical part (at least 30 hours per year) and a clinical part (at least 1,290 hours per year). In addition to the internal placement in the training centre under the direction of an approved placement supervisor-coordinator, the clinical training also includes an external independent professional practice placement of at least 500 hours in an approved location and under the direction of an approved placement supervisor. During the placements, candidates devote themselves entirely to practising a specialization, according to a plan approved by the ministerial committee. During training, candidates may not undertake any clinical activity outside their placement work.

Candidates must become involved in research work in an area of the specialization. Before the end of the training, they must present a paper to a scientific meeting as well as a dissertation or an article for publication in a leading international journal.

Programme by subject

The theoretical training is made up of the part, common to all the training programmes, which leads to the award of professional status in dentistry. This part comprises training for independent professional practice as well as interactive seminars on the following topics: economic aspects of bucco-dental treatment, the organization and management of a dental surgery, professional regulation and responsibility, dental computer systems, critical analysis of scientific literature, introduction to legal dentistry, introduction to communication, ergonomics, radiodiagnosis including radioprotection, ethological aspects of health care and the relationship between first and second line health care.

During the course, students' knowledge and skills during the basic training in dentistry are deepened and further knowledge and skills are acquired in the following areas :

General medicine and biology

- Additional anatomy and maxillo-facial embryology
- development of the viscerocranium and masticatory organs
- importance of genetic and functional factors during cranio-facial growth
- physiology of ventilation, speech, deglutition and mastication
- elements of cellular biology

General orthodontics

- diagnosis, etiology and treatment of dento-maxillo-facial dysmorphoses
- cranio-facial malformative syndromes
- use of medical imaging in orthodontics
- different cephalometric analyses:
 - tracing
 - interpretation
 - growth predictions with and without treatment
- development of dentition

Specialized orthodontics

- orthodontic terminology
- prevention and early treatment of malocclusions
- physiology of dental movements
- dento-facial orthopaedics
- orthodontic therapy :
 - elements of biomechanics
 - long term effects
 - recurrence
- iatrogenous and limiting effects of orthodontic treatment
- complete diagnosis
- treatment and treatment plan objectives in orthodontics
- orthodontic treatments and TMA

Orthodontic techniques

- removable appliances
- functional appliances
- extra-oral appliances

- fixed appliances :
 - sequences of treatment
 - properties of materials
 - principles of biomechanics
 - different fixed orthodontic techniques
 - partial fixed appliances
- brace appliances

Multidisciplinary treatments

- ortho-surgical treatments
- treatment of patients with labio-palatine clefts
- orthodontic treatments with parodontal pathology
- preprosthetic orthodontics

Special procedures

- special features of orthodontic treatment in adults
- use of implants and mini-screws in orthodontics
- distraction technique

Seminars

- discussion of treatment plans
- impact of developments in orthodontic treatment : presentation of clinical cases
- reviews of the literature and discussion of articles
- use of speech therapy in orthodontics
- orthodontics and root resorptions

