

# **INTERNATIONAL POSTGRADUATE PROGRAMS**

## **DENTAL SCHOOL – GHENT UNIVERSITY BELGIUM**

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**This document provides useful information to international students interested to follow postgraduate training at Dental School of the Ghent University. It summarizes the programs as accepted by the board of the Medical faculty as well as the Board of the University.**

**This document gives details not yet fully applicable at the official website of the University because an update is foreseen July 2013.**

### **STUDYING AT GHENT UNIVERSITY**

The University of Ghent (UGent) has been established in 1817 and has today over 36.000 students, among them nearly 3000 international students. It has 8600 staff members working in education and science divided over 11 faculties. With a view to cooperation in research and scientific service, numerous research groups, centres and institutes have been founded over the years. Several of them are renowned worldwide, in various scientific disciplines. This explains the 89<sup>th</sup> place on the Shanghai Academic Ranking of World Universities. The UGent has the highest ranking of all Belgian Universities. Today, after decades of uninterrupted growth, Ghent University is one of the leading institutions of higher education and research in the Low Countries. Ghent University is an open, committed and pluralistic university with a broad international perspective.

Located in Flanders, the Dutch-speaking part of Belgium and the cultural and economical heart of Europe, Ghent University is an active partner in national and international educational, scientific and industrial cooperation.

For more information we refer to the website of the university: <http://www.ugent.be> and more specifically: <http://www.ugent.be/en/ghentuniv/presentation/overview.htm> & <http://issuu.com/universiteitgent/docs/focus-at-ugent>

### **Faculty of Medicine and Health Sciences**

The Faculty of Medicine and Health Sciences is with 6250 students one of the largest in Belgium. The Faculty is for educational, scientific and service activities for the community closely linked with the University Hospital. Ghent University Hospital provides basic undergraduate as well as specialized postgraduate medical education for all categories of caregivers. Trainees in various medical and dental specialties receive a high-quality clinical education. Every year about 120 doctors and dentists are granted a specialist diploma in their specific field of study.

Beside general medicine and dentistry training, a number of other academic education programs are offered such as speech therapy and audiology, biomedical

science, physical education and rehabilitation science and physical therapy. The campus also houses a training centre for general practitioners. In addition, nurses, dieticians, speech therapists and physical therapists from various institutions receive their practical training at Ghent University Hospital.

For more information we refer to the website of the university hospital:

<http://www.uzgent.be/wps/wcm/connect/en/web>

## The UGent Dental School

The dental school was established in 1932 and is part of the Faculty of Medicine and Health Sciences and actually located at the campus of University Hospital. In total 130 staff and collaborators are involved in the five-years undergraduate education program provided in the Dutch language. Furthermore, yearly around 1000 dentists take other accredited courses and the dental clinic is a trainee center for dental nurses.

The Belgian Health Care authorities require a one-year postgraduate education in treatment planning in conjunction with vocational training under guidance of an accredited dentist prior to full license to dental practice. The Dental School provides academic courses in this vocational year. Dental degrees obtained outside the European Union are only eligible for access to the dental profession after validation of the original educational program followed in the country of origin. Often this leads to additional enrolment in a dental school for further education and training.

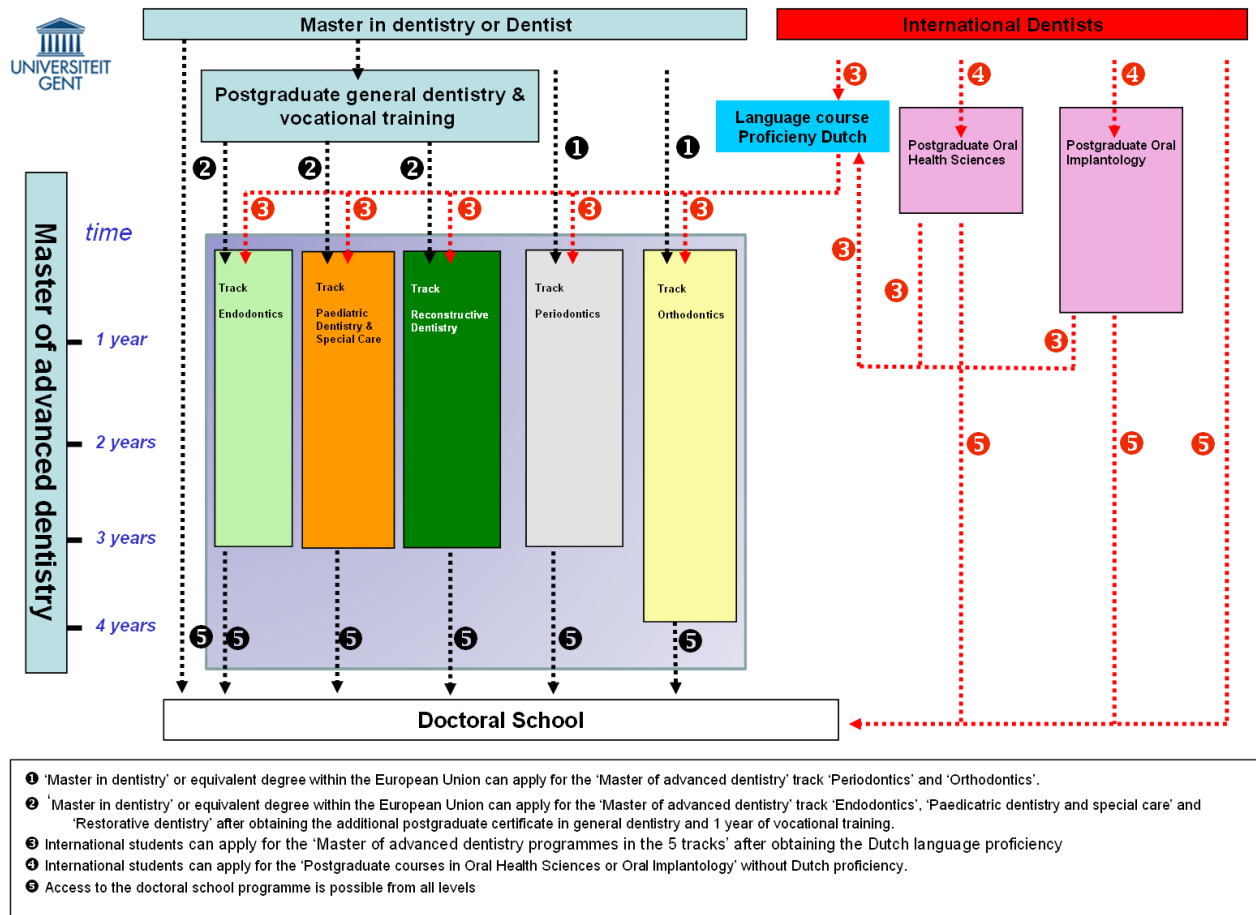
## Overview of the international program

UGent Dental School offers **'postgraduate programs in 'Oral Health Sciences'** (1 year full-time) and **'postgraduate programs in Oral Implantology'** (2 years part-time). Both postgraduate programs are in English and speaking Dutch is not a requirement for admission.

Furthermore, UGent provides five **'master in advanced dentistry'** programs, organized in conjunction with 3 years full-time clinical training in the fields of **Endodontics, Paediatric Dentistry and Special Care, Reconstructive Dentistry, Periodontics** and a 4 years full-time training in **Orthodontics**. Courses are given in English but students are required to obtain proficiency in Dutch prior to treating patients in the clinical program.

UGent provides language courses. Basically, this requires at least 5 to 6 months of intensive language training up to level 5. The latter allows eligibility in one of the five 'master of advanced dentistry'. Hence, the language course should start in March preceeding to the start of the program end of Septembre. Students should get additional information on the language center at <http://www.uct.ugent.be/en/open-program/dutch> . Students should register fast since the language courses are popular and have limited numbers of participants.

An overview of the possible study tracks is given below. Tracks 1, 2 and 5 only apply for dentists graduated within the European Union and showing proficiency in Dutch. For international students tracks 3-4-5 apply.



International students interested to join the master programs are strongly recommended to seek first admission in the one year 'postgraduate training in oral health sciences'. The latter can be combined with the language courses and is also a preparatory year for more advanced courses.

International students can seek admission to the '[Doctoral School program](#)'. In [general](#) this requires a 4 years full-time involvement in basic or clinical research. Applicants should seek for grants for living in their own country. For detailed information or inquiries contact the course directors of the master programs.

## APPLICATIONS

Candidates should apply by sending curriculum vitae and motivational letter to the respective course directors. After scrutiny of the application, the candidate will receive a written evaluation and be invited for a personal interview via electronic means. Proof of proficiency in English as shown during the interview or by means of TOEFL test or equivalent is required at time of inscription. Clinical practice in general dentistry of minimally 1 year is necessary.

Admission to any of the programs does not imply a working permit within the Health Care System of Belgium. International students should be aware that visa regulations may apply. They should check with the Belgian Embassy or Consulate in their home country for more details.

## ADMISSION FEES AND CONTACTS

### **'Postgraduate programs in Oral Health Sciences'**

1x 10.000 €

(1 year full-time, this excludes living expenses)

Course director info: [hugo.debruyn@ugent.be](mailto:hugo.debruyn@ugent.be)

### **'Postgraduate programs in Oral Implantology'**

2 x 5.000 €

(2 years part-time, this excludes living expenses)

Course director info: [hugo.debruyn@ugent.be](mailto:hugo.debruyn@ugent.be)

### **'Master in advanced dentistry' Track Endodontics'**

3 x 10.000 €

(3 years full-time, this excludes language course and living expenses)

Course director info: [roeland.demoor@ugent.be](mailto:roeland.demoor@ugent.be)

### **'Master in advanced dentistry' Track Paediatric Dentistry and Special Care'**

3 x 10.000 €

(3 years full-time, this excludes language course and living expenses)

Course director info: [luc.martens@ugent.be](mailto:luc.martens@ugent.be)

### **'Master in advanced dentistry' Track Reconstructive Dentistry'**

3 x 18.000 €

3 years full-time, this excludes language course and living expenses)

Course director info: [stefan.vandeweghe@ugent.be](mailto:stefan.vandeweghe@ugent.be)

### **'Master in advanced dentistry' Track Periodontics and Oral Implantology'**

3 x 25.000 €

(3 years full-time, this excludes language course and living expenses)

Course director info: [hugo.debruyn@ugent.be](mailto:hugo.debruyn@ugent.be)

### **'Master in advanced dentistry' Track Orthodontics'**

4 x 20.000 €

(4 years full-time training, this excludes language course and living expenses)

Course director info: [guy.depauw@ugent.be](mailto:guy.depauw@ugent.be)

The fee of the inscription is to be paid in July according to Bank specifications that will be provided after acceptance in a program.

# COURSE CONTENT

## Postgraduate Oral Health Sciences (PGOHS)

Course director info: [hugo.debruyn@ugent.be](mailto:hugo.debruyn@ugent.be)

This course is a one year, full-time, postgraduate education in English aiming to increase knowledge in evidence based dentistry, methodology of scientific research, and statistics. Preclinical skills in a wide range of specialist treatment options are obtained and clinical competences are updated throughout the year with seminars focusing on multidisciplinary treatments and clinical observations in various specialty clinics. This Oral Health Scientific approach amounts in total to 16 credit points (according to European Study Accreditation). Each student will further select a major of interest in one of the 5 specialist programs offered. This will focus on the fundamentals of the fields as well as the preparation of a research paper. The latter can be a review or participation in a research project. The total of the major is 13 study credits. Additionally 3 study points are obtained through one elective course in a topic related to special care patients. Details are given below.

The total program requires a one-year giving 32 credits and a study time of 865 hours. Enough time remains for the student to additionally follow the Dutch language course should the candidate also be eligible for the Master in Advance dentistry.

### 1 General Courses – 16 credits

Nr	Course	Credits	Contact hours	Study time
1	Methodology of Scientific Research and	3.0	22.5	90
2	Evidence Based Dentistry and Statistics	3.0	30.0	90
3	Preclinical Skills in Various Specialties	3.0	12.5	75
4	Treatment Planning, Diagnostics, Oral Imaging & Radioprotection	3.0	30.0	90
5	Clinical Observations	4.0	96.0	120

### 2 Majors - 13.0 credits

*Each student subscribes to 1 Major from the following list.*

*Each major consisting of one course "fundamentals" and one research related "paper"*

- 2.1 Major in Paediatric Dentistry and Special Care
- 2.2 Major in Endodontics
- 2.3 Major in Periodontics
- 2.4 Major in Orthodontics
- 2.5 Major in Reconstructive Dentistry

1	Fundamentals in the selected major	8.0	39.0	200
2	Literature Paper	5.0	5.0	125

### 3 Elective Courses - 3.0 credits

*Subscribe to 3 credit units from the following list.*

1	Implant Surgery and Prosthetics	3.0	22.5	75
2	Laser Dentistry	3.0	22.5	75
3	Gerodontology: Oral Health Care in Elderly	3.0	22.5	75
4	TMD and Orofacial Pain	3.0	22.5	75
5	Sleep Apnoea and Dental Aspects	3.0	22.5	75
6	Conscious Sedation	3.0	22.5	75

## Postgraduate Oral Implantology (POI)

Course director info: [hugo.debruyn@ugent.be](mailto:hugo.debruyn@ugent.be)

This program contains a one year theoretical and preclinical course. It provides the basis for a simultaneous clinical training in an accredited clinic under guidance. The aim is for the participants to develop evidence based knowledge of implant dentistry. In conjunction with development of clinical skills in oral implant therapy it can lead to a high degree of skill on a specialist level. The postgraduate program provides the participants an understanding of the rationale and scientific basis for the clinical procedures and techniques presented.

Oral implantology is defined as the dental specialty focussing on patient selection, planning, implant surgery and implant prosthetic rehabilitation of partially or fully edentulous patients. Both surgery and prosthetics are part of the training program. The Ghent University Dental School delivers state-of-the-art education required to become knowledgeable in patient selection, radiographic diagnosis with the most advanced planning techniques, general treatment planning, basic and advanced surgical techniques, basic to advanced prosthetic treatment principles and techniques. Hands-on surgical and prosthetic training sessions on models and video demonstrations are provided with Biomet3i and Dentsply (Astra Tech) implants.

The program curriculum is strictly planned and students are not allowed a flexible time schedule because of the distance factor and the modular framework. Since the number of participants is limited a one-on-one interaction between participants and course faculty is available.

The course consists of: 1) seminars and tutorials in the form of lectures by international experts; 2) group discussions around an extensive review of the relevant literature from several implant journals; 3) preclinical laboratory and model training related to implant surgery with various dental implant systems; 4) treatment planning. Participants will receive lists of relevant literature or books and have full access to the UGent library. Seminars will be provided through the online learning platform of the University.

Participants implement the knowledge in the clinical situation on patients seen in an accredited dental clinic. Arrangements for personal guidance in the clinic are not a part of the offered basic program. Course participants are advised to seek assistance from specialists to practically train the procedures.

The evaluation of the student's participation in the group discussions is done on a permanent basis through portfolio assessment. A theoretical examination at the end of the one year program will be done to grade each student. This evaluation includes a presentation of some randomly selected cases treated by the students either in their own clinic at home or at the accredited training center. The student must be able to show the patients currently under treatment or whose treatment has been completed with appropriate educational means through radiographs, clinical pictures and diagnostic and treatment casts. These demonstrations illustrate any aspect of implant and prosthodontic therapy.

## 1 - General Courses

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No.	Course	Ref	Semester	Mt1	Mt2	Dept.	Instructor	Contact	Study	Crdt
1	Information resources and Evidence-based dentistry		J	1		GE11	Hugo De Bruyn	43	120	4
2	Basis of oral implantology		J	1		GE11	Hugo De Bruyn	20	75	3
3	Implant surgery		J	1		GE11	Hugo De Bruyn	23	90	3
4	Implant prosthetics		J	1		GE11	Hugo De Bruyn	28	120	4
5	Treatment planning and clinical training I		J	1		GE11	Hugo De Bruyn	66	75	3
6	Clinical training II		J	2		GE11	Hugo De Bruyn	75	75	3
7	Paper patient treatment		J	2		GE11	Hugo De Bruyn	25	75	3

## Master programs

***For details contact the respective course directors.***

**‘Master in advanced dentistry’ Track Endodontics’**

Course director info: [roeland.demoor@ugent.be](mailto:roeland.demoor@ugent.be)

**‘Master in advanced dentistry’ Track Paediatric Dentistry and Special Care’**

Course director info: [luc.martens@ugent.be](mailto:luc.martens@ugent.be)

**‘Master in advanced dentistry’ Track Reconstructive Dentistry’**

Course director info: [stefan.vandeweghe@ugent.be](mailto:stefan.vandeweghe@ugent.be)

**‘Master in advanced dentistry’ Track Periodontics and Oral Implantology’**

Course director info: [hugo.debruyn@ugent.be](mailto:hugo.debruyn@ugent.be)

**‘Master in advanced dentistry’ Track Orthodontics’**

Course director info: [guy.depauw@ugent.be](mailto:guy.depauw@ugent.be)