

At Bruxelles Woluwe - 180 credits - 3 years - Day schedule - In French

Dissertation/Graduation Project : **NO** - Internship : **YES**

Activities in English: **NO** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences dentaires**

Organized by: **Faculty of Medicine and Dentistry (MEDE)**

DENT1BA - Introduction

Introduction

DENT1BA - Teaching profile

Learning outcomes

The challenge of the Bachelor in Dentistry at UCL is to acquire from the start of his or her training scientific, medical and human qualities combining them with advanced technical skills, enabling him or her to take care of patients under supervision from the start of his or her Master's degree.

In practical terms, the training provided over the course of the Bachelor's programme allows the acquisition of these skills by integrating:

- basic scientific training,
- medical training (from understanding cellular processes to studying physiological and psychological processes of the human body),
- training in dentistry (examining oral tissues, their physiology and pathologies, and healthcare techniques and biomaterials used),
- professional training by practising dentistry in society.

In the Bachelor's programme, through various teaching activities (theoretical lectures and preclinical lab work) and clinical observations, the student will develop his or her future professional project, and put it into practice during the Master's course acquiring more and more autonomy.

Each course of the Bachelor's programme forms part of the development of certain specific items in the skills base list in accordance

6.1. Provide information relating to his/her knowledge, diagnoses, suggestions for treatment (common clinical cases), to an appropriate and adapted degree of complexity (type of vocabulary, amount of information, etc).

6.2. Be aware of his/her own skills and the limits of his/her expertise.

- to act in a socially professional and responsible way.

The student will be able to view his/her future practice from a societal, ethical and financial perspective.

7.1. Describe the (relative) position of the clinical practice in relation to improving the health of the population and analyse the current challenges for health and the healthcare systems,

7.2. Place the medical approach and pharmaceutical practice in relation to other scientific disciplines (natural sciences and social sciences) and tackle certain ethical issues (animal experimentation, stem cells, etc),

7.3. Be acquainted with the essential concepts concerning hygiene in a dental surgery and be able to prepare equipment effectively before a technical activity.

- to constantly learn and improve.

The student will be able to demonstrate a critical mind with regard to his/her own learning as well as to the scientific information provided.

8.1. Identify learning outcomes from a self-assessment perspective

8.2. Respect scientific recommendations and understand written and spoken documents, particularly in English (audio and video), in the medical field in general and dentistry in particular.

Programme structure

The bachelor's of Dental Science represents 180 credits, spread over three years of studies each of 60 credits. The programme doesn't include minor or elective courses.

The teaching activities are organized in 5 themes :

- basic scientific training,
- medical training (from understanding cellular processes to studying physiological and psychological processes of the human body),
- training in dentistry (examining oral tissues, their physiology and pathologies, and healthcare techniques and biomaterials used),
- professional training by practising dentistry in society,
- clinical observations.

DENT1BA Programme

Detailed programme by subject

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Content:

o Basic scientific training (16 credits)

		Year		
		1	2	3
○ WMEDE1100	Physique générale	Pascale Wauters	⊙ [q1] [40h+25h] [5 Credits] 🌐	X
○ WMEDE1101	Chimie générale	Mohamed Ayadim Benjamin Elías Jean-François Gohy	⊙ [q1] [40h+20h] [5 Credits] 🌐	X

○ WMEDE1112

Year

				1	2	3
○ WMENT1110	Physique appliquée aux sciences dentaires	Vincent Lemaitre Pascale Wauters	[q2] [20h+10h] [3 Credits]	x		
○ WMENT1111	Chimie appliquée aux sciences dentaires	Mohamed Ayadim Benjamin Elias Jean-François Gohy	[q2] [30h+20h] [3 Credits]	x		
○ WMEDE1112						

○ Medical training (from understanding cellular processes to studying physiological and psychological processes of the human body) (72 credits)

○ WMEDE1112	Biologie et embryologie générale	Charles De
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				Year		
				1	2	3
○ WIDENT1333	Psychologie médicale 🟡	Achille Bapolisi Mwira (coord.) Anne Wintgens	PR [q2] [30h] [3 Credits] 🌐			x

○ Clinical observations (8 credits)

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering

- WMENT1242 - Matériaux dentaires : concepts et analyse critique
 - WMENT1222 - Prothèse inamovible (1re partie)
 - WMENT1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)
- Jean-François Gohy
- WMENT1351** "Chirurgie générale et bucco-dentaire" has prerequisite(s) WMDS1103 AND WMENT1121 AND WMENT1210
- WMDS1103 - Anatomie générale et fonctionnelle
 - WMENT1121 - Dental anatomy
 - WMENT1210 - Head and neck anatomy and embryology
- WMENT1360** "Dentomaxillofacial Imaging & radioprotection" has prerequisite(s) WMENT1121 AND WMENT1210
- WMENT1121 - Dental anatomy
 - WMENT1210 - Head and neck anatomy and embryology
- WMENT1391** "Cariologie et dentisterie conservatrice" has prerequisite(s) WMENT1242 AND WMENT1254
- WMENT1242 - Matériaux dentaires : concepts et analyse critique
 - WMENT1254 - Physiologie et sémiologie bucco-dentaires
- WSBIM1334D** "general immunology" has prerequisite(s) WMENT1204
- WMENT1204 - Biologie cellulaire et moléculaire

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

Detailed programme per annual block

DENT1BA - 1ST ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- ⊗ Open to incoming exchange students
- ⊗ Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)



Click on the course title to see detailed informations (objectives, methods, evaluation...)

Content:

Basic scientific training

● WMEDE1100	Physique générale	Pascale Wauters	15 [q1] [40h +25h] [5 Credits] ⊗
● WMEDE1101	Chimie générale	Mohamed Ayadim Benjamin Elias Jean-François Gohy	
● WMENT1110	Physique appliquée aux sciences dentaires	Jean-François Gohy	

o Medical training (from understanding cellular processes to studying physiological and psychological processes of the human body)

o WMEDE1112	Biologie et embryologie générale	Charles De Smet (coord.)	PS [q1] [45h +15h] [5 Credits] 
o WMDS1105	Histologie générale	Christophe Pierreux	PS [q1] [20h +60h] [5 Credits] 
o WMDS1109	Biologie moléculaire	Guido Bommer Marie Boucquey	

DENT1BA - 2ND ANNUAL UNIT

○ WDEnt1244	Prévention dentaire	Selena Toma (coord.)	ES [q2] [15h] [2 Credits] 🌐
○ WDEnt1222	Prothèse inamovible (1re partie)	Chloé Hardy	ES [q2] [20h] [2 Credits] 🌐
○ WDEnt1225	Laboratoire de dentisterie restauratrice et prothétique (1re partie) 🟡	Chloé Hardy Séverine Mateu- Ramis (coord.)	ES [q1+q2] [10h +110h] [4 Credits] 🌐

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DENT1BA - 3RD ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Content:**o Medical training (from understanding cellular processes to studying physiological and psychological processes of the human body)**

● WIDENT1303	Anatomie pathologique générale et bucco-dentaire 1re partie ■	Selda Aydin Alessandra Camboni Hélène Dano An-Katrien De Roo Delphine Hoton (coord.)	[FR] [q2] [15h +20h] [2 Credits] 🌐
● WIDENT1330		Benoît Kabamba-Mukadi Hector Rodriguez- Villalobos Alexia Verroken (coord.)	[FR] [q1] [35h +10h] [4 Credits] 🌐
● WIDENT1337	Pathologies médicales, 1re partie ■	Isabelle De Brauwer Anne-Catherine Pouleur (coord.)	[FR] [q1] [34h] [3 Credits] 🌐

○ WIDENT1342	Endodontie 🟡	Sam Aryanpour (coord.) Pierre Carsin Julian Leprince Eliane Schmitz	FB [q2] [37.5h] [5 Credits] 🌐
○ WIDENT1336	Anesthésie 🟡	Armand Irakoze Pierre Mahy (coord.) Victoria Van Regemorter	FB [q2] [20h] [2 Credits] 🌐
○ WIDENT1345	Laboratoire de dentisterie restauratrice et prothétique (2e partie) 🟡	Pierre Carsin Aurélié Chantrenne Magali Dewaele Caroline Gillard Matthieu Gilli (coord.) Chloé Hardy Julian Leprince Séverine Mateu-Ramis Eliane Schmitz	FB [q1+q2] [0h +235h] [7 Credits] 🌐

○ Professional training by practising dentistry in society

○ WIDENT1333	Psychologie médicale 🟡	Achille Bapolisi Mwira (coord.) Anne Wintgens	FB [q2] [30h] [3 Credits] 🌐
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○ Clinical observations

○ WIDENT1339	Préparation à l'approche globale d'un patient adulte 🟡	Caroline Gillard Matthieu Gilli (coord.) Chloé Hardy Séverine Mateu- Ramis (coord.) Eliane Schmitz	FB [q1+q2] [30h +160h] [4 Credits] 🌐
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DENT1BA - Information

Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

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

SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).

- Access to **Bachelor of Science in Business Engineering**

The Bachelor of Science in Business Engineering is a joint program organised by KU Leuven and UCLouvain Saint-Louis Bruxelles. In order to register, all candidate must first submit an application via the [KU Leuven admission platform](#). The [conditions of access](#) to this programme are specific.

Specific professional rules

These studies lead to a professional title subject to specific rules or restrictions on professional accreditation or establishment.

You will find the necessary legal information by [clicking here](#).

Teaching method

The Bachelor programme in Dentistry offers a varied methodology based on the development of learning outcomes.

In addition to basic scientific training provided mainly by lectures, students are invited to contextualise their theoretical and practical learning during passive clinical observations in the 2nd year, becoming more practical in the 3rd year of the Bachelor's course enabling the student to heal his or her own patients during the Master's degree.

Preclinical lab work is already offered two afternoons a week from the 2nd year of the Bachelor's programme. This practical work allows the student to put into practice his or her theoretical knowledge.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

The course content and activities are evaluated in accordance with the prevailing rules and regulations of the University (c.f. exam regulation). Exams are organized at the end of the session periods (January, June) as well as in September.

In accordance with the learning outcomes of the Bachelor's programme :

- theoretical knowledge is evaluated mainly by individual written exams including mainly multiple choice questions (MCQ) or open-ended questions requiring short or long answers.
- the practical tasks and work experience are likewise evaluated in the form of ongoing evaluation during the 2nd and 3rd years of the Bachelor.

Hence, at the end of the Bachelor programme, the students will have to prove that they have acquired all the scientific, medical, human and technical skills needed to

Entity

Structure entity	SSS/MEDE/MDEN
Denomination	(MDEN)
Faculty	Faculty of Medicine and Dentistry (MEDE)
Sector	Health Sciences (SSS)
Acronym	MDEN
Postal address	Avenue Hippocrate 10 - bte B2.5721 1200 Woluwe-Saint-Lambert Tel: +32 (0)2 764 57 21 - Fax: +32 (0)2 764 57 22

Mandate(s)

- Présidente : Magali Dewaele

Academic supervisor: [Magali Dewaele](#)

Jury

- President of the bachelor jury: [Séverine Mateu-Ramis](#)
- Secretary of the bachelor jury: [Gaëtane Leloup](#)

Useful Contact(s)

- Contact person for the 1st year of the bachelor: [Maxime Demaret](#)
- Contact person for the 2nd and 3rd years of the bachelor: [Afi Agbekponou](#)
- Administrative manager of the faculty of medicine and dentistry: [Gaelle Fransman](#)
- Study advisor: [Gaëtane Leloup](#)

