UCLouvain

DENT1BA

2024 - 2025

Bachelor in Dentistry

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 developp his or her future professional project, and put it into practice during the Master's coursenn 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 with the subjects and activities offered. The coherence of the programme can be seen in the tables identifying the learning outcomes prioritised by each course.

On successful completion of this programme, each student is able to :

• to develop a scientific attitude.

The student will be capable of integrating an understanding of different sciences and disciplines in order to apply them to common clinical situations.

1.1. Integrate the essential knowledge of basic, biomedical, technical and clinical sciences by theoretical preparation for the effective practice of dentistry,

1.2. Understand physiological and/or pathological structures, functions or behaviour in accordance with the patient's age, health and circumstances,

1.3. Apply this knowledge to common clinical situations.

• to make oral hygiene diagnoses.

The student will be able to make a clinical diagnosis of a patient displaying a "simple" medical condition frequently encountered in dentistry.

2.1. Collect accurate and detailed dental, medical and social information (e.g. addiction to tobacco or eating habits),

2.2. Identify the necessary parameters for an intra-oral or extra-oral medical examination including the temporomandibular joints and masticatory muscles, the teeth and gums and the oral mucous membranes, as well as an analysis of the occlusion,

2.3. Conduct a basic X-ray examination demonstrating an awareness of the risks of ionising radiation,

2.4. Interpret a set of clinical, radiographic and possibly laboratory results in order to make a diagnosis,

2.5. Make a common differential diagnosis and decide the final diagnosis from a number of alternatives.

• to plan oral hygiene treatment.

The student will be able to offer a treatment plan and organise a schedule for a common clinical case within each discipline, taught independently to allow optimum command. The multidisciplinary integration required for the effective practice of dentistry will be developed during the clinical work placements of the Master's course.

No specific information on this subject.

• to carry out the oral hygiene treatment.

The student will be able to carry out all technical activities on a simulator, because the Bachelor training is focused on the development of preclinical technical skills.

4.1. Be acquainted with the theoretical concepts allowing serious dental situations to be dealt with,

4.2. Have command of technical activities in a preclinical laboratory relating to restorative dentistry, prosthetic dentistry, endodontics and oral surgery.

• to manage the dentist-patient relationship.

The student will be acquainted with the theoretical concepts allowing patients to be dealt with appropriately from the start of the active clinical work placements.

5.1. Be acquainted with the theoretical concepts allowing the stress of patient and dentist to be dealt with appropriately,

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...)

Year 1 2 3

Content:

Basic scientific training (16 credits)

WMEDE1100	Physique générale	Pascale Wauters	[FR] [q1] [40h+25h] [5 Credits]	x		
WMEDE1101	Chimie générale	Mohamed Ayadim Benjamin Elias Jean-François Gohy	[FR] [q1] [40h+20h] [5 Credits]	x		

Year

Course prerequisites WDENT1213 ET WDENT1044

•

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 for that CU.

These activities are also identified **in the detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration puposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the Academic Regulations and Procedures.

 # Prerequisities list - Prévention dentaire

WDENT1210 "Anatomie et embryologie cervico-céphalique" has prerequisite(s) WMDS1103

- WMDS1103 - Anatomie générale et fonctionnelle

WDENT1225 "Laboratoire de dentisterie restauratrice et prothétique (1re partie)" has prerequisite(s) WDENT1129

- WDENT1129 - Introduction à la pratique dentaire

WDENT1303 "Anatomie pathologique générale et bucco-dentaire 1re partie" has prerequisite(s) WDENT1213

- WDENT1213 - Histologie des systèmes

WDENT1320 "Prothèse amovible complète" has prerequisite(s) WDENT1284 ET WDENT1285

- WDENT1284 - Prothèse amovible 1ère partie
- WDENT1285 - Gnathologie : Occlusion

WDENT1321 "Prothèse amovible partielle" has prerequisite(s) WDENT1284 ET WDENT1285

- WDENT1284 - Prothèse amovible 1ère partie
- WDENT1285 - Gnathologie : Occlusion

WDENT1324 "Prothèse inamovible (2e partie)" has prerequisite(s) WDENT1222 ET WDENT1285 ET WDENT1242 ET WDENT1225

- WDENT1222 - Prothèse inamovible (1re partie)
- WDENT1285 - Gnathologie : Occlusion
- WDENT1242 - Matériaux dentaires : concepts et analyse critique
- WDENT1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)

WDENT1330 "Microbiologie médicale et bucco-dentaire" has prerequisite(s) WFARM1282T

- WFARM1282T - Microbiologie générale (partim théorie)

WDENT1333 "Psychologie médicale" has prerequisite(s) WDENT1243

- WDENT1243 - Stage d'observation et projet professionnel (B)

WDENT1335 "Parodontologie" has prerequisite(s) WDENT1213 ET WDENT1244

- WDENT1213 - Histologie des systèmes
- WDENT1244 - Prévention dentaire

- WDENT1242 - Matériaux dentaires : concepts et analyse critique
- WDENT1222 - Prothèse inamovible (1re partie)
- WDENT1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)

WDENT1351 "Chirurgie générale et bucco-dentaire" has prerequisite(s) WMDS1103 ET WDENT1121 ET WDENT1210

- WMDS1103 - Anatomie générale et fonctionnelle
- WDENT1121 - Dental anatomy
- WDENT1210 - Head and neck anatomy and embryology

WDENT1360 "Eléments de radiologie dento-maxillo-faciale et radioprotection" has prerequisite(s) WDENT1121 ET WDENT1210

- WDENT1121 - Dental anatomy
- WDENT1210 - Head and neck anatomy and embryology

WDENT1391 "Cariologie et dentisterie conservatrice" has prerequisite(s) WDENT1242 ET WDENT1254

- WDENT1242 - Matériaux dentaires : concepts et analyse critique
- WDENT1254 - Physiologie et sémiologie bucco-dentaires

WSBIM1334D "Immunologie générale (partim DENT)" has prerequisite(s) WDENT1204

- WDENT1204 - Biologie cellulaire et moléculaire

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

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

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WDENT1244	Prévention dentaire	Selena Toma (coord.)	FR [q2] [15h] [2 Credits]
WDENT1222	Prothèse inamovible (1re partie)	Chloé Hardy	FR [q2] [20h] [2 Credits]
WDENT1225	Laboratoire de dentisterie restauratrice et prothétique (1re partie)	Chloé Hardy Séverine Mateu-Ramis (coord.)	FR [q1+q2] [10h +110h] [4 Credits]

[redacted]

Optional
Not offered in 2024-2025
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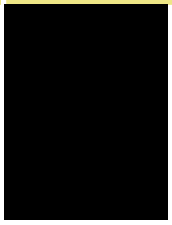
Click on the course title to see detailed informations (objectives, methods, evaluation...)

Content:

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

WDENT1303	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]
WDENT1330		Benoît Kabamba-Mukadi Hector Rodriguez-Villalobos Alexia Verroken (coord.)	FR [q1] [35h +10h] [4 Credits]

WDENT1342	Endodontie	Sam Aryanpour (coord.) Pierre Carsin Julian Leprince Eliane Schmitz	FR [q2] [37.5h] [5 Credits]
WDENT1336	Anesthésie	Armand Irakoze Pierre Mahy (coord.) Victoria Van Regemorter	FR [q2] [20h] [2 Credits]
WDENT1345	Laboratoire de dentisterie restauratrice et prothétique (2e partie)	Pierre Carsin Aurélie Chantrenne Magali Dewaele Caroline Gillard Matthieu Gilli (coord.) Chloé Hardy Julian Leprince Séverine Mateu-Ramis Eliane Schmitz	FR [q1+q2] [0h +235h] [7 Credits]



- 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

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 theoritical 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 reglementation). 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 :

- theoritical knowledge is evaluated mainly by indivual 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 deal with the real life clinical situations (during their Master's degree).

Mobility and/or Internationalisation outlook

No student exchange programme is provided during the Bachelor years. However, exchanges are organized with various European, Lebanese, Brazilian and Canadian Universities during the second year of the Master.

Possible trainings at the end of the programme

The bachelor's degree entitles access to the master's of Dental Science, without the need for any complementary prerequisites

Furthermore, reorientation towards the programmes of Bachelor in Biology, Chemistry and Bioengineering could be possible at the end of the first year of the bachelor's, subject to additional complementary courses.

Contacts

Curriculum Management