

**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 - 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 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,

5.2. Identify expectations of the patient in terms of needs and demands by active listening in a consultation context at a basic level (adult patient displaying common pathologies),

5.3. Communicate with the patient, to an appropriate and adapted degree of complexity, to explain treatment options,

5.5. Identify the psychological and medical factors causing and/or prolonging a dental, oral or facial illness or impairment or another pathology.

5.6. Understand written and spoken documents (audio and video) in English in the medical field in general and dentistry in particular.

- to work as part of a team.

The student will be aware of his/her own knowledge and share that with other medical or dental practitioners with whom he/she might interact in the patient's interests.








○ WIDENT1129

Year

1 2 3

o Clinical observations (8 credits)

○ WDEnt1133	Stage d'observation et projet professionnel (A)	Séverine Mateu-Ramis (coord.)	FR [q1+q2] [5h+50h] [2 Credits] 	X		
○ WDEnt1243	Stage d'observation et projet professionnel (B)		FR [q1+q2] [5h+100h] [2 Credits] 		X	
○ WDEnt1339	Préparation à l'approche globale d'un patient adulte 	Matthieu Gilli (coord.)				

## 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 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 purposes 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](https://uclouvain.be/fr/decouvrir/rgee.html) (<https://uclouvain.be/fr/decouvrir/rgee.html>).

### # Prerequisites list

- 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
- WDENT1336** "Anesthésie" has prerequisite(s) WDENT1210 ET WDENT1211
- WDENT1210 - Head and neck anatomy and embryology
  - WDENT1211 - Neurosciences : neuroanatomy and neurophysiology
- WDENT1337** "Pathologies médicales, 1re partie" has prerequisite(s) WDENT1260 ET WMDS1237D
- WDENT1260 - Physiologie humaine
  - WMDS1237D - Pharmacologie générale (partim sciences dentaires)
- WDENT1338** "Pathologies médicales, 2e partie" has prerequisite(s) WDENT1260 ET WMDS1237D
- WDENT1260 - Physiologie humaine
  - WMDS1237D - Pharmacologie générale (partim sciences dentaires)
- WDENT1339** "Préparation à l'approche globale d'un patient adulte" has prerequisite(s) WDENT1225 ET WDENT1222 ET WDENT1242
- WDENT1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)
  - WDENT1222 - Prothèse inamovible (1re partie)
  - WDENT1242 - Matériaux dentaires : concepts et analyse critique
- WDENT1342** "Endodontie" has prerequisite(s) WDENT1121 ET WDENT1254 ET WDENT1242
- WDENT1121 - Dental anatomy
  - WDENT1254 - Physiologie et sémiologie bucco-dentaires
  - WDENT1242 - Matériaux dentaires : concepts et analyse critique
- WDENT1345** "Laboratoire de dentisterie restauratrice et prothétique (2e partie)" has prerequisite(s) WDENT1242 ET WDENT1222 ET WDENT1225



- WDENT1242 - [Matériaux dentaires : concepts et analyse critique](#)
- WDENT1222

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



**DENT1BA - 2ND ANNUAL UNIT**

(coord.)  
+5h163  
Credits]

- ∞ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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)**

○ WIDENT1210	Head and neck anatomy and embryology ■	Catherine Behets Wydemans (coord.) Alexander Gerdom	FR [q1] [30h +24h] [4 Credits] 🌐
○ WIDENT1213	Histologie des systèmes	Christophe Pierreux Selena Toma	FR [q1] [15h +15h] [3 Credits] 🌐
○ WIDENT1204	Biologie cellulaire et moléculaire	Stefan Constantinescu (coord.) Christophe Pierreux	

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## DENT1BA - 3RD ANNUAL UNIT

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- Mandatory
- ✘ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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, ...)

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



## DENT1BA - Information

### Access Requirements

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*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

- 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 1<sup>st</sup> 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](https://uclouvain.be/fr/facultes/epl/examenadmission.html) (<https://uclouvain.be/fr/facultes/epl/examenadmission.html>).

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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html) (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>).

- 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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html). (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>)

- 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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html) (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>).

- 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 \(non-residents\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html). (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>)

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 \(fr\)](https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html) (<https://uclouvain.be/en/study/inscriptions/etudes-contingentes.html>).



## Specific professional rules

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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

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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

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***The evaluation methods comply with the [regulations concerning studies and exams](https://uclouvain.be/fr/decouvrir/rgee.html) (https://uclouvain.be/fr/decouvrir/rgee.html). 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 :

- 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 deal with the real life clinical situations (during their Master's degree).

## Mobility and/or Internationalisation outlook

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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

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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

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### Curriculum Management

Entity

Structure entity

Denomination

Faculty

SSS/MEDE/MDEN

(MDEN)

Faculty of Medicine and Dentistry (MEDE)

