

**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)**Programme acronym: **DENT1BA** - Francophone Certification Framework: 6**Table of contents**

Introduction .....	2
Teaching profile .....	3
Learning outcomes .....	3
Programme structure .....	4
Programme .....	4
Detailed programme by subject .....	4
Course prerequisites .....	8
The programme's courses and learning outcomes .....	9
Detailed programme per annual block .....	9
DENT1BA - 1st annual unit .....	9
DENT1BA - 2nd annual unit .....	11
DENT1BA - 3rd annual unit .....	13
Information .....	15
Access Requirements .....	15
Specific professional rules .....	17
Teaching method .....	17
Evaluation .....	17
Mobility and/or Internationalisation outlook .....	17
Possible trainings at the end of the programme .....	17
Contacts .....	17

## DENT1BA - Introduction

### Introduction

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## 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.

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 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...)

Year

1 2 3

### o Content:

#### o Basic scientific training (16 credits)

○ WMEDE1100	Physique générale	Pascale Wauters	10 [q1] [40h+25h] [5 Credits] ⊕	X		
○ WMEDE1101	Chimie générale	Mohamed Ayadim Benjamin Elias Jean-François Gohy	10 [q1] [40h+20h] [5 Credits] ⊕	X		

				Year		
				1	2	3
○ WDE1110	Physique appliquée aux sciences dentaires	Vincent Lemaître	FB [q2] [20h+10h] [3 Credits] 🌐	x		
○ WDE1111	Chimie appliquée aux sciences dentaires	Mohamed Ayadim Benjamin Elias Jean-François Gohy	FB [q2] [30h+20h] [3 Credits] 🌐	x		

**o 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 Smet (coord.)	FB [q1] [45h+15h] [5 Credits] 🌐	x		
○ WMDS1105	Histologie générale	Christophe Pierreux	FB [q1] [20h+60h] [5 Credits] 🌐	x		
○ WMDS1109	Biologie moléculaire	Guido Bommer Jean-François Collet Jean Baptiste Demoulin (coord.)	FB [q2] [60h+20h] [7 Credits] 🌐	x		
○ WMDS1103	Anatomie générale et fonctionnelle	Catherine Behets Wydemans Benoît Lengelé (coord.)	FB [q2] [45h] [5 Credits] 🌐	x		
○ WDE1210	Head and neck anatomy and embryology 🟡	Catherine Behets Wydemans (coord.) Alexander Gerdom	FB [q1] [30h+24h] [4 Credits] 🌐		x	
○ WDE1213	Histologie des systèmes	Christophe Pierreux Selena Toma	FB [q1] [15h+15h] [3 Credits] 🌐		x	
○ WDE1204	Biologie cellulaire et moléculaire	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	FB [q1] [20h] [2 Credits] 🌐		x	
○ WFARM1212T	Eléments de physiologie générale		FB [q1] [15h] [2 Credits] 🌐		x	
○ WDE1254	Physiologie et sémiologie bucco-dentaires	Julien Beauquis Gaétane Leloup (coord.)	FB [q1] [30h] [4 Credits] 🌐		x	
○ WDE1303	Anatomie pathologique générale et bucco-dentaire 1re partie 🟡	Selda Aydin Alessandra Camboni Hélène Dano An-Katrien De Roo Delphine Hoton (coord.)	FB [q2] [15h+20h] [2 Credits] 🌐			x
○ WFARM1282T	Microbiologie générale (partim théorie)	Thomas Michiels	FB [q1] [20h] [2 Credits] 🌐		x	
○ WDE1330	Microbiologie médicale et bucco-dentaire 🟡	Benoît Kabamba-Mukadi Hector Rodriguez-Villalobos Alexia Verroken (coord.)	FB [q1] [35h+10h] [4 Credits] 🌐			x
○ WDE1211	Neurosciences : neuroanatomy and neurophysiology	Aleksandar Jankovski	FB [q2] [45h] [6 Credits] 🌐		x	
○ WDE1255	Biochimie humaine	Guido Bommer Jean-François Collet Frédéric Lemaigre (coord.)	FB [q1] [30h] [3 Credits] 🌐 > English-friendly		x	
○ WDE1260	Physiologie humaine	Sophie Pierard	FB [q2] [45h+15h] [6 Credits] 🌐		x	
○ WMDS1237D	Pharmacologie générale (partim sciences dentaires)	Emmanuel Hermans (coord.)	FB [q1] [20h] [2 Credits] 🌐		x	
○ WDE1337	Pathologies médicales, 1re partie 🟡	Isabelle De Brauer Anne-Catherine Pouleur (coord.)	FB [q1] [34h] [3 Credits] 🌐			x
○ WDE1338	Pathologies médicales, 2e partie 🟡	Isabelle De Brauer Patrick De Potter Dominique Hermans Liliane Marot Anne-Catherine Pouleur (coord.)	FB [q2] [36h] [4 Credits] 🌐			x
○ WSBIM1334D	general immunology 🟡	Sophie Lucas (coord.)	FB [q1] [35h] [3 Credits] 🌐 > English-friendly			x

**o Training in dentistry (examining oral tissues, their physiology and pathologies, and healthcare techniques and biomaterials used) (65 credits)**

○ WDE1121	Dental anatomy	Séverine Mateu-Ramis	FB [q1] [30h+30h] [5 Credits] 🌐	x		
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				Year		
				1	2	3
○ WDE1129	Introduction à la pratique dentaire	Séverine Mateu-Ramis	FR [q2] [10h+56h] [4 Credits] 🌐	x		
○ WDE1284	Prothèse amovible 1ère partie	Magali Dewaele Caroline Gillard (coord.)	FR [q2] [25h+30h] [4 Credits] 🌐		x	
○ WDE1285	Gnathologie : Occlusion	Magali Dewaele (coord.) Laurent Pitance	FR [q2] [15h] [2 Credits] 🌐		x	
○ WDE1242	Matériaux dentaires : concepts et analyse critique	Gaëtane Leloup (coord.) Julian Leprince	FR [q2] [40h+15h] [5 Credits] 🌐		x	
○ WDE1244	Prévention dentaire	Andrej Djurkin Selena Toma (coord.)	FR [q2] [15h] [2 Credits] 🌐		x	
○ WDE1391	Cariologie et dentisterie conservatrice 🟡	Julien Beauquis Matthieu Gilli (coord.) Julian Leprince Eliane Schmitz	FR [q1] [45h] [4 Credits] 🌐			x
○ WDE1351	Chirurgie générale et bucco-dentaire 🟡	Daniel Léonard Raphaël Olszewski (coord.)	FR [q1] [45h] [4 Credits] 🌐			x
○ WDE1320	Prothèse amovible complète 🟡	Magali Dewaele (coord.) Caroline Gillard	FR [q1] [20h] [2 Credits] 🌐			x
○ WDE1321	Prothèse amovible partielle 🟡	Magali Dewaele (coord.) Chloé Hardy	FR [q2] [20h] [2 Credits] 🌐			x
○ WDE1222	Prothèse inamovible (1re partie)	Chloé Hardy	FR [q2] [20h] [2 Credits] 🌐	x		
○ WDE1324	Prothèse inamovible (2e partie) 🟡	David Dive Chloé Hardy (coord.)	FR [q1] [30h] [3 Credits] 🌐			x
○ WDE1335	Parodontologie 🟡	Andrej Djurkin Selena Toma (coord.)	FR [q2] [40h+30h] [5 Credits] 🌐			x
○ WDE1360	Dentomaxillofacial Imaging & radioprotection 🟡	Auréli Chantrenne Dana Ioana Dumitriu Raphaël Olszewski (coord.)	FR [q2] [22.5h] [3 Credits] 🌐			x
○ WDE1342	Endodontie 🟡	Sam Aryanpour Julien Beauquis (coord.) Pierre Carsin Julian Leprince Valentin Michaux Eliane Schmitz	FR [q2] [37.5h] [5 Credits] 🌐			x
○ WDE1336	Anesthésie 🟡	Armand Irakoze Pierre Mahy (coord.) Victoria Van Regemorter	FR [q2] [20h] [2 Credits] 🌐			x
○ WDE1225	Laboratoire de dentisterie restauratrice et prothétique (1re partie) 🟡	Chloé Hardy Séverine Mateu-Ramis (coord.)	FR [q1+q2] [10h+110h] [4 Credits] 🌐		x	
○ WDE1345	Laboratoire de dentisterie restauratrice et prothétique (2e partie) 🟡	Magali Dewaele Matthieu Gilli (coord.) Chloé Hardy Julian Leprince Séverine Mateu-Ramis Eliane Schmitz	FR [q1+q2] [0h+235h] [7 Credits] 🌐			x

o Professional training by practising dentistry in society (19 credits)

○ WMDS1106	Philosophie	Charlotte Luyckx (compensates Peter Verdée)	FR [q1] [30h] [3 Credits] 🌐	x		
○ WMDS1113	Epidémiologie, santé publique et soins de santé	Benoît Boland Séverine Henrard Jean Macq (coord.) Andrea Penaloza-Baeza	FR [q2] [30h+20h] [4 Credits] 🌐	x		
○ WDE1108	Eléments de statistiques appliqués à l'épidémiologie et la prévention dentaire	Gaëtane Leloup (coord.) Asmaâ Sadki	FR [q2] [30h+20h] [4 Credits] 🌐	x		
○ LANGL1856	Medical English for Dentistry students	Auréli Deneumoustier (coord.)	EN [q1+q2] [60h] [5 Credits] 🌐		x	
○ WDE1333	Psychologie médicale 🟡	Alain Luts (coord.) Anne Wintgens	FR [q2] [30h] [3 Credits] 🌐			x

Year

1 2 3

o Clinical observations (8 credits)

○ WDEnt1133	Stage d'observation et projet professionnel (A)	Séverine Mateu-Ramis (coord.)	PR [q1+q2] [5h+50h] [2 Credits]	x		
○ WDEnt1243	Stage d'observation et projet professionnel (B)		PR [q1+q2] [5h+100h] [2 Credits]		x	
○ WDEnt1339	Préparation à l'approche globale d'un patient adulte	Matthieu Gilli (coord.) Chloé Hardy Séverine Mateu-Ramis (coord.) Eliane Schmitz	PR [q1+q2] [30h+160h] [4 Credits]			x

## 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



- WDE1242 - Matériaux dentaires : concepts et analyse critique
- WDE1222 - Prothèse inamovible (1re partie)
- WDE1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)

**WDE1351** "Chirurgie générale et bucco-dentaire" has prerequisite(s) WMDS1103 ET WDE1121 ET WDE1210

- WMDS1103 - Anatomie générale et fonctionnelle
- WDE1121 - Dental anatomy
- WDE1210 - Head and neck anatomy and embryology

**WDE1360** "Eléments de radiologie dento-maxillo-faciale et radioprotection" has prerequisite(s) WDE1121 ET WDE1210

- WDE1121 - Dental anatomy
- WDE1210 - Head and neck anatomy and embryology

**WDE1391** "Cariologie et dentisterie conservatrice" has prerequisite(s) WDE1242 ET WDE1254

- WDE1242 - Matériaux dentaires : concepts et analyse critique
- WDE1254 - Physiologie et sémiologie bucco-dentaires

**WSBIM1334D** "Immunologie générale (partim DENT)" has prerequisite(s) WDE1204

- WDE1204 - 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 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...)

### Content:

#### Basic scientific training

● WMEDE1100	Physique générale	Pascale Wauters	FR [q1] [40h +25h] [5 Credits] ⊕
● WMEDE1101	Chimie générale	Mohamed Ayadim Benjamin Elias Jean-François Gohy	FR [q1] [40h +20h] [5 Credits] ⊕
● WDE1110	Physique appliquée aux sciences dentaires	Vincent Lemaitre	FR [q2] [20h +10h] [3 Credits] ⊕
● WDE1111	Chimie appliquée aux sciences dentaires	Mohamed Ayadim Benjamin Elias Jean-François Gohy	FR [q2] [30h +20h] [3 Credits] ⊕

### 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.)	ES [q1] [45h +15h] [5 Credits]
o WMDS1105	Histologie générale	Christophe Pierreux	ES [q1] [20h +60h] [5 Credits]
o WMDS1109	Biologie moléculaire	Guido Bommer Jean-François Collet Jean Baptiste Demoulin (coord.)	ES [q2] [60h +20h] [7 Credits]
o WMDS1103	Anatomie générale et fonctionnelle	Catherine Behets Wydemans Benoît Lengelé (coord.)	ES [q2] [45h] [5 Credits]

### o Training in dentistry (examining oral tissues, their physiology and pathologies, and healthcare techniques and biomaterials used)

o WDENT1121	Dental anatomy	Séverine Mateu-Ramis	ES [q1] [30h +30h] [5 Credits]
o WDENT1129	Introduction à la pratique dentaire	Séverine Mateu-Ramis	ES [q2] [10h +56h] [4 Credits]

### o Professional training by practising dentistry in society

o WMDS1106	Philosophie	Charlotte Luyckx (compensates) Peter Verdée	ES [q1] [30h] [3 Credits]
o WMDS1113	Epidémiologie, santé publique et soins de santé	Benoît Boland Séverine Henrard Jean Macq (coord.) Andrea Penalzoza-Baeza	ES [q2] [30h +20h] [4 Credits]
o WDENT1108	Eléments de statistiques appliqués à l'épidémiologie et la prévention dentaire	Gaëtane Leloup (coord.) Asmaâ Sadki	ES [q2] [30h +20h] [4 Credits]

### o Clinical observations

o WDENT1133	Stage d'observation et projet professionnel (A)	Séverine Mateu-Ramis (coord.)	ES [q1+q2] [5h +50h] [2 Credits]
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**DENT1BA - 2ND ANNUAL UNIT**

- 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, ...)

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)**

○ WDENT1210	Head and neck anatomy and embryology ■	Catherine Behets Wydemans (coord.) Alexander Gerdom	FB [q1] [30h +24h] [4 Credits] 🌐
○ WDENT1213	Histologie des systèmes	Christophe Pierreux Selena Toma	FB [q1] [15h +15h] [3 Credits] 🌐
○ WDENT1204	Biologie cellulaire et moléculaire	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	FB [q1] [20h] [2 Credits] 🌐
○ WFARM1212T	Eléments de physiologie générale		FB [q1] [15h] [2 Credits] 🌐
○ WDENT1254	Physiologie et sémiologie bucco-dentaires	Julien Beauquis Gaëtane Leloup (coord.)	FB [q1] [30h] [4 Credits] 🌐
○ WFARM1282T	Microbiologie générale (partim théorie)	Thomas Michiels	FB [q1] [20h] [2 Credits] 🌐
○ WDENT1211	Neurosciences : neuroanatomy and neurophysiology	Aleksandar Jankovski	FB [q2] [45h] [6 Credits] 🌐
○ WDENT1255	Biochimie humaine	Guido Bommer Jean-François Collet Frédéric Lemaigre (coord.)	FB [q1] [30h] [3 Credits] 🌐 > English- friendly
○ WDENT1260	Physiologie humaine	Sophie Pierard	FB [q2] [45h +15h] [6 Credits] 🌐
○ WMDS1237D	Pharmacologie générale (partim sciences dentaires)	Emmanuel Hermans (coord.)	FB [q1] [20h] [2 Credits] 🌐

**o Training in dentistry (examining oral tissues, their physiology and pathologies, and healthcare techniques and biomaterials used)**

○ WDENT1284	Prothèse amovible 1ère partie	Magali Dewaele Caroline Gillard (coord.)	FB [q2] [25h +30h] [4 Credits] 🌐
○ WDENT1285	Gnathologie : Occlusion	Magali Dewaele (coord.) Laurent Pitance	FB [q2] [15h] [2 Credits] 🌐
○ WDENT1242	Matériaux dentaires : concepts et analyse critique	Gaëtane Leloup (coord.) Julian Leprince	FB [q2] [40h +15h] [5 Credits] 🌐

○ WIDENT1244	Prévention dentaire	Andrej Djurkin Selena Toma (coord.)	FR [q2] [15h] [2 Credits] 🌐
○ WIDENT1222	Prothèse inamovible (1re partie)	Chloé Hardy	FR [q2] [20h] [2 Credits] 🌐
○ WIDENT1225	Laboratoire de dentisterie restauratrice et prothétique (1re partie) 🟡	Chloé Hardy Séverine Mateu- Ramis (coord.)	FR [q1+q2] [10h +110h] [4 Credits] 🌐

### ○ Professional training by practising dentistry in society

○ LANGL1856	Medical English for Dentistry students	Aurélie Deneumoustier (coord.)	EN [q1+q2] [60h] [5 Credits] 🌐
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### ○ Clinical observations

○ WIDENT1243	Stage d'observation et projet professionnel (B)		FR [q1+q2] [5h +100h] [2 Credits] 🌐
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**DENT1BA - 3RD ANNUAL UNIT**

- 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, ...)

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)**

○ WDE1303	Anatomie pathologique générale et bucco-dentaire 1re partie ■	Selda Aydin Alessandra Camboni Hélène Dano An-Katrien De Roo Delphine Hoton (coord.)	FB [q2] [15h +20h] [2 Credits] 🌐
○ WDE1330	Microbiologie médicale et bucco-dentaire ■	Benoît Kabamba-Mukadi Hector Rodriguez- Villalobos Alexia Verroken (coord.)	FB [q1] [35h +10h] [4 Credits] 🌐
○ WDE1337	Pathologies médicales, 1re partie ■	Isabelle De Brauer Anne-Catherine Pouleur (coord.)	FB [q1] [34h] [3 Credits] 🌐
○ WDE1338	Pathologies médicales, 2e partie ■	Isabelle De Brauer Patrick De Potter Dominique Hermans Lilianne Marot Anne-Catherine Pouleur (coord.)	FB [q2] [36h] [4 Credits] 🌐
○ WSBIM1334D	general immunology ■	Sophie Lucas (coord.)	FB [q1] [35h] [3 Credits] 🌐 > English- friendly

**o Training in dentistry (examining oral tissues, their physiology and pathologies, and healthcare techniques and biomaterials used)**

○ WDE1391	Cariologie et dentisterie conservatrice ■	Julien Beauquis Matthieu Gilli (coord.) Julian Leprince Eliane Schmitz	FB [q1] [45h] [4 Credits] 🌐
○ WDE1351	Chirurgie générale et bucco-dentaire ■	Daniel Léonard Raphaël Olszewski (coord.)	FB [q1] [45h] [4 Credits] 🌐
○ WDE1320	Prothèse amovible complète ■	Magali Dewaele (coord.) Caroline Gillard	FB [q1] [20h] [2 Credits] 🌐
○ WDE1321	Prothèse amovible partielle ■	Magali Dewaele (coord.) Chloé Hardy	FB [q2] [20h] [2 Credits] 🌐
○ WDE1324	Prothèse inamovible (2e partie) ■	David Dive Chloé Hardy (coord.)	FB [q1] [30h] [3 Credits] 🌐
○ WDE1335	Parodontologie ■	Andrej Djurkin Selena Toma (coord.)	FB [q2] [40h +30h] [5 Credits] 🌐
○ WDE1360	Dentomaxillofacial Imaging & radioprotection ■	Aurélié Chantrenne Dana Ioana Dumitriu Raphaël Olszewski (coord.)	FB [q2] [22.5h] [3 Credits] 🌐

○ WDEnt1342	Endodontie 📄	Sam Aryanpour Julien Beauquis (coord.) Pierre Carsin Julian Leprince Valentin Michaux Eliane Schmitz	EC [q2] [37.5h] [5 Credits] 🌐
○ WDEnt1336	Anesthésie 📄	Armand Irakoze Pierre Mahy (coord.) Victoria Van Regemorter	EC [q2] [20h] [2 Credits] 🌐
○ WDEnt1345	Laboratoire de dentisterie restauratrice et prothétique (2e partie) 📄	Magali Dewaele Matthieu Gilli (coord.) Chloé Hardy Julian Leprince Séverine Mateu-Ramis Eliane Schmitz	EC [q1+q2] [0h +235h] [7 Credits] 🌐

### o Professional training by practising dentistry in society

○ WDEnt1333	Psychologie médicale 📄	Alain Luts (coord.) Anne Wintgens	EC [q2] [30h] [3 Credits] 🌐
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### o Clinical observations

○ WDEnt1339	Préparation à l'approche globale d'un patient adulte 📄	Matthieu Gilli (coord.) Chloé Hardy Séverine Mateu- Ramis (coord.) Eliane Schmitz	EC [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](https://uclouvain.be/fr/etudier/inscriptions/examens-admission.html) (https://uclouvain.be/fr/etudier/inscriptions/examens-admission.html) 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 d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

### Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
  - not have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2023-2024, you must have obtained your diploma during the academic years 2020-2021, 2021-2022 ou 2022-2023. In the French Community of Belgium, the academic year runs from September 14 to September 13
  - not already hold an undergraduate degree
- Candidates, whatever their nationality, with a secondary school diploma **from a country outside the European Union**, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences). A non-successful year will not be taken into consideration.

- 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 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 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	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: <a href="tel:+3227645721">+32 (0)2 764 57 21</a> - Fax: <a href="tel:+3227645722">+32 (0)2 764 57 22</a>

Mandate(s)

- Présidente : Magali Dewaele

Academic supervisor: Magali Dewaele

Jury

- Séverine Mateu-Ramis
- Gaëtane Leloup

Useful Contact(s)

- Maxime Demaret
- Michelle Bailleux
- Gaelle Fransman
- Gaëtane Leloup

