

**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**

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## 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 Detailed programme

## Programme by subject

Year

1 2 3

### o Content:

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

o WMEDE1100	Physique générale	Bernard Piraux	40h+25h	5 Credits	q1	x			
o WMEDE1101	Chimie générale	Mohamed Ayadim Benjamin Elias Jean-François Gohy	40h+20h	5 Credits	q1	x			
o WDE1110	Physique appliquée aux sciences dentaires	Sorin Melinte Bernard Piraux	20h+10h	3 Credits	q2	x			
o WDE1111	Chimie appliquée aux sciences dentaires	Mohamed Ayadim Benjamin Elias Jean-François Gohy	30h+20h	3 Credits	q2	x			

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

o WMEDE1112	Biologie et embryologie générale	Charles De Smet (coord.) Fadel Tissir	45h+15h	5 Credits	q1	x			
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						Year		
						1	2	3
○ WMDS1105	Histologie générale	Christophe Pierreux	20h+60h	5 Credits	q1	x		
○ WMDS1109	Biologie moléculaire	Jean-François Collet Jean Baptiste Demoulin (coord.) Mark Rider	60h+20h	7 Credits	q2	x		
○ WMDS1103	Anatomie générale et fonctionnelle	Catherine Behets Wydemans Benoit Lengele (coord.)	45h	5 Credits	q2	x		
○ WDEMENT1210	Head and neck anatomy and embryology 🟡	Catherine Behets Wydemans (coord.) Fadel Tissir	30h+24h	4 Credits	q1		x	
○ WDEMENT1213	Histologie des systèmes 🟡	Christophe Pierreux Selena Toma	15h+15h	3 Credits	q1		x	
○ WDEMENT1204	Biologie cellulaire et moléculaire 🟡	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	20h	2 Credits	q1		x	
○ WFARM1212T	Eléments de physiologie générale 🟡		15h	2 Credits	q1		x	
○ WDEMENT1254	Physiologie et sémiologie bucco-dentaires 🟡	Gaëtane Leloup (coord.) Julian Leprince	30h	4 Credits	q1		x	
○ WDEMENT1303	Anatomie pathologique générale et bucco-dentaire 1re partie 🟡	Selda Aydin Alessandra Camboni Hélène Dano Delphine Hoton Etienne Marbaix (coord.)	15h+20h	2 Credits	q2			x
○ WFARM1282T	Microbiologie générale (partim théorie) 🟡	Thomas Michiels	20h	2 Credits	q1		x	
○ WDEMENT1330	Microbiologie médicale et bucco-dentaire 🟡	Benoît Kabamba-Mukadi Hector Rodriguez-Villalobos Alexia Verroken (coord.)	35h+10h	4 Credits	q1			x
○ WDEMENT1211	Neurosciences : neuroanatomy and neurophysiology 🟡	Aleksandar Jankovski	45h+10h	6 Credits	q2		x	
○ WDEMENT1255	Biochimie humaine 🟡	Guido Bommer Jean-François Collet Frédéric Lemaigre (coord.) Mark Rider	30h	3 Credits	q1		x	
○ WDEMENT1260	Physiologie humaine 🟡	Sonia Brichard Sophie Pierard	45h+15h	6 Credits	q2		x	
○ WMDS1237D	Pharmacologie générale (partim sciences dentaires) 🟡	Emmanuel Hermans (coord.) Dominique Lison Pierre Wallemacq	20h	2 Credits	q1		x	
○ WDEMENT1337	Pathologies médicales, 1re partie 🟡	Patrick Chenu Isabelle De Brauwer Anne-Catherine Pouleur (coord.)	34h	3 Credits	q1			x
○ WDEMENT1338	Pathologies médicales, 2e partie 🟡	Patrick Chenu Isabelle De Brauwer Patrick De Potter Dominique Hermans Liliane Marot Anne-Catherine Pouleur (coord.)	36h	4 Credits	q2			x
○ WSBIM1334D	Immunologie générale (partim DENT) 🟡	Pierre Coulie (coord.)	35h	3 Credits	q1			x

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

○ WDEMENT1121	Dental anatomy	Séverine Mateu-Ramis	30h+30h	5 Credits	q1	x		
○ WDEMENT1129	Introduction à la pratique dentaire	Séverine Mateu-Ramis	10h+56h	4 Credits	q2	x		
○ WDEMENT1284	Prothèse amovible 1ère partie 🟡	Véronique Brogniez (coord.) Caroline Gillard	25h+30h	4 Credits	q2		x	
○ WDEMENT1285	Gnathologie : Occlusion 🟡	Magali Dewaele (coord.) Laurent Pitance	15h	2 Credits	q2		x	

							Year		
							1	2	3
○ WDE1242	Matériaux dentaires : concepts et analyse critique	Gaëtane Leloup Julian Leprince Luc Randolph	40h+15h	5 Credits	q2		x		
○ WDE1244	Prévention dentaire	Andrej Djurkin Selena Toma (coord.)	15h	2 Credits	q2		x		
○ WDE1391	Cariologie et dentisterie conservatrice	Matthieu Gilli Thibaut Hollaert Julian Leprince (coord.)	45h	4 Credits	q1			x	
○ WDE1351	Chirurgie générale et bucco-dentaire	Daniel Leonard Raphael Olszewski (coord.)	45h	4 Credits	q1			x	
○ WDE1320	Prothèse amovible complète	Véronique Brogniez (coord.) Caroline Gillard	20h	2 Credits	q1			x	
○ WDE1321	Prothèse amovible partielle	Magali Dewaele (coord.) Chloé Hardy	20h	2 Credits	q2			x	
○ WDE1222	Prothèse inamovible (1re partie)	Chloé Hardy	20h	2 Credits	q2		x		
○ WDE1324	Prothèse inamovible (2e partie)	David Dive Chloé Hardy (coord.)	30h	3 Credits	q1			x	
○ WDE1335	Parodontologie	Andrej Djurkin Selena Toma (coord.)	40h+30h	5 Credits	q2			x	
○ WDE1360	Dentomaxillofacial Imaging & radioprotection	Aurélié Chantrenne Philippe Clapuyt Raphael Olszewski (coord.)	22.5h	3 Credits	q2			x	
○ WDE1342	Endodontie	Sam Aryanpour Pierre Carsin Julian Leprince	37.5h	5 Credits	q2			x	
○ WDE1336	Anesthésie	Armand Irakoze Pierre Mahy (coord.) Victoria Van Regemorter	20h	2 Credits	q2			x	
○ WDE1225	Laboratoire de dentisterie restauratrice et prothétique (1re partie)	Chloé Hardy Séverine Mateu-Ramis (coord.)	10h+110h	4 Credits	q1+q2		x		
○ WDE1345	Laboratoire de dentisterie restauratrice et prothétique (2e partie)	Véronique Brogniez Pierre Carsin Caroline Gillard Chloé Hardy Julian Leprince Séverine Mateu-Ramis (coord.) Raphael Olszewski	0h+235h	7 Credits	q1+q2			x	

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

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

### o Clinical observations (8 credits)

○ WDE1133	Stage d'observation et projet professionnel (A)		5h+50h	2 Credits	q1+q2	x		
○ WDE1243	Stage d'observation et projet professionnel (B)	Gaëtane Leloup (coord.)	5h+100h	2 Credits	q1+q2		x	

							Year		
							1	2	3
○ WIDENT1339	Préparation à l'approche globale d'un patient adulte 🟡	Andrej Djurkin Matthieu Gilli Chloé Hardy Séverine Mateu-Ramis (coord.) Martin Stalla	30h+160h	4 Credits	q1+q2			x	

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## 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:

- transform a prerequisite into a corequisite within the same year (to enable the student to continue his or her studies with a sufficient annual course load)
- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.

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

- WDENT1204** "Biologie cellulaire et moléculaire" has prerequisite(s) WMEDE1112 ET WMDS1109 ET WMDS1105
- WMEDE1112 - Biologie et embryologie générale
  - WMDS1109 - Biologie moléculaire
  - WMDS1105 - Histologie générale
- WDENT1210** "Anatomie et embryologie cervico-céphalique" has prerequisite(s) WMDS1105 ET WMDS1103
- WMDS1105 - Histologie générale
  - WMDS1103 - Anatomie générale et fonctionnelle
- WDENT1211** "Neurosciences : neuroanatomie et neurophysiologie" has prerequisite(s) WMEDE1112 ET WMDS1103
- WMEDE1112 - Biologie et embryologie générale
  - WMDS1103 - Anatomie générale et fonctionnelle
- WDENT1213** "Histologie des systèmes" has prerequisite(s) WMDS1105
- WMDS1105 - Histologie générale
- WDENT1225** "Laboratoire de dentisterie restauratrice et prothétique (1re partie)" has prerequisite(s) WDENT1121 ET WDENT1129
- WDENT1121 - Dental anatomy
  - WDENT1129 - Introduction à la pratique dentaire
- WDENT1242** "Matériaux dentaires : concepts et analyse critique" has prerequisite(s) WMEDE1100 ET WDENT1110 ET WMEDE1101 ET WDENT1111 ET WDENT1108
- WMEDE1100 - Physique générale
  - WDENT1110 - Physique appliquée aux sciences dentaires
  - WMEDE1101 - Chimie générale
  - WDENT1111 - Chimie appliquée aux sciences dentaires
  - WDENT1108 - Eléments de statistiques appliqués à l'épidémiologie et la prévention dentaire
- WDENT1244** "Prévention dentaire" has prerequisite(s) WDENT1121 ET WMDS1113 ET WDENT1108
- WDENT1121 - Dental anatomy
  - WMDS1113 - Epidémiologie, santé publique et soins de santé
  - WDENT1108 - Eléments de statistiques appliqués à l'épidémiologie et la prévention dentaire
- WDENT1254** "Physiologie et sémiologie bucco-dentaires" has prerequisite(s) WMDS1105 ET WDENT1121
- WMDS1105 - Histologie générale
  - WDENT1121 - Dental anatomy
- WDENT1255** "Biochimie humaine" has prerequisite(s) WMEDE1101 ET WDENT1111 ET WMDS1105 ET WMEDE1112
- WMEDE1101 - Chimie générale
  - WDENT1111 - Chimie appliquée aux sciences dentaires
  - WMDS1105 - Histologie générale
  - WMEDE1112 - Biologie et embryologie générale
- WDENT1260** "Physiologie humaine" has prerequisite(s) WMEDE1112 ET WMDS1103
- WMEDE1112 - Biologie et embryologie générale
  - WMDS1103 - Anatomie générale et fonctionnelle
- WDENT1284** "Prothèse amovible 1ère partie" has prerequisite(s) WDENT1121
- WDENT1121 - Dental anatomy
- WDENT1285** "Gnathologie : Occlusion" has prerequisite(s) WDENT1121
- WDENT1121 - Dental anatomy
- WDENT1303** "Anatomie pathologique générale et bucco-dentaire 1re partie" has prerequisite(s) WDENT1213 ET WDENT1204
- WDENT1213 - Histologie des systèmes
  - WDENT1204 - Biologie cellulaire et moléculaire
- WDENT1320** "Prothèse amovible complète" has prerequisite(s) WDENT1210 ET WDENT1284 ET WDENT1285 ET WDENT1242



- WDEMENT1210 - Head and neck anatomy and embryology
  - WDEMENT1284 - Prothèse amovible 1ère partie
  - WDEMENT1285 - Gnathologie : Occlusion
  - WDEMENT1242 - Matériaux dentaires : concepts et analyse critique
- WDEMENT1321** "Prothèse amovible partielle" has prerequisite(s) WDEMENT1210 ET WDEMENT1284 ET WDEMENT1285 ET WDEMENT1242 ET WDEMENT1129
- WDEMENT1210 - Head and neck anatomy and embryology
  - WDEMENT1284 - Prothèse amovible 1ère partie
  - WDEMENT1285 - Gnathologie : Occlusion
  - WDEMENT1242 - Matériaux dentaires : concepts et analyse critique
  - WDEMENT1129 - Introduction à la pratique dentaire
- WDEMENT1324** "Prothèse inamovible (2e partie)" has prerequisite(s) WDEMENT1222 ET WDEMENT1285 ET WDEMENT1242 ET WDEMENT1129
- WDEMENT1222 - Prothèse inamovible (1re partie)
  - WDEMENT1285 - Gnathologie : Occlusion
  - WDEMENT1242 - Matériaux dentaires : concepts et analyse critique
  - WDEMENT1129 - Introduction à la pratique dentaire
- WDEMENT1330** "Microbiologie médicale et bucco-dentaire" has prerequisite(s) WFARM1282T
- WFARM1282T - Microbiologie générale (partim théorie)
- WDEMENT1333** "Psychologie médicale" has prerequisite(s) WDEMENT1243
- WDEMENT1243 - Stage d'observation et projet professionnel (B)
- WDEMENT1335** "Parodontologie" has prerequisite(s) WMDS1105 ET WDEMENT1121 ET WDEMENT1213 ET WDEMENT1254 ET WFARM1282T ET WDEMENT1244
- WMDS1105 - Histologie générale
  - WDEMENT1121 - Dental anatomy
  - WDEMENT1213 - Histologie des systèmes
  - WDEMENT1254 - Physiologie et sémiologie bucco-dentaires
  - WFARM1282T - Microbiologie générale (partim théorie)
  - WDEMENT1244 - Prévention dentaire
- WDEMENT1337** "Pathologies médicales, 1re partie" has prerequisite(s) WDEMENT1204 ET WFARM1212T ET WDEMENT1260 ET WDEMENT1255 ET WMDS1237D
- WDEMENT1204 - Biologie cellulaire et moléculaire
  - WFARM1212T - Eléments de physiologie générale
  - WDEMENT1260 - Physiologie humaine
  - WDEMENT1255 - Biochimie humaine
  - WMDS1237D - Pharmacologie générale (partim sciences dentaires)
- WDEMENT1338** "Pathologies médicales, 2e partie" has prerequisite(s) WDEMENT1204 ET WFARM1212T ET WDEMENT1260 ET WDEMENT1255 ET WMDS1237D
- WDEMENT1204 - Biologie cellulaire et moléculaire
  - WFARM1212T - Eléments de physiologie générale
  - WDEMENT1260 - Physiologie humaine
  - WDEMENT1255 - Biochimie humaine
  - WMDS1237D - Pharmacologie générale (partim sciences dentaires)
- WDEMENT1339** "Préparation à l'approche globale d'un patient adulte" has prerequisite(s) WDEMENT1225 ET WDEMENT1285 ET WDEMENT1242
- WDEMENT1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)
  - WDEMENT1285 - Gnathologie : Occlusion
  - WDEMENT1242 - Matériaux dentaires : concepts et analyse critique
- WDEMENT1342** "Endodontie" has prerequisite(s) WDEMENT1129 ET WDEMENT1210
- WDEMENT1129 - Introduction à la pratique dentaire
  - WDEMENT1210 - Head and neck anatomy and embryology
- WDEMENT1345** "Laboratoire de dentisterie restauratrice et prothétique (2e partie)" has prerequisite(s) WDEMENT1285 ET WDEMENT1242 ET WDEMENT1225
- WDEMENT1285 - Gnathologie : Occlusion
  - WDEMENT1242 - Matériaux dentaires : concepts et analyse critique
  - WDEMENT1225 - Laboratoire de dentisterie restauratrice et prothétique (1re partie)
- WDEMENT1351** "Chirurgie générale et bucco-dentaire" has prerequisite(s) WMDS1103 ET WDEMENT1121 ET WFARM1212T
- WMDS1103 - Anatomie générale et fonctionnelle
  - WDEMENT1121 - Dental anatomy
  - WFARM1212T - Eléments de physiologie générale
- WDEMENT1360** "Eléments de radiologie dento-maxillo-faciale et radioprotection" has prerequisite(s) WMEDE1100 ET WDEMENT1110 ET WDEMENT1121 ET WDEMENT1210
- WMEDE1100 - Physique générale
  - WDEMENT1110 - Physique appliquée aux sciences dentaires
  - WDEMENT1121 - Dental anatomy
  - WDEMENT1210 - Head and neck anatomy and embryology
- WDEMENT1391** "Cariologie et dentisterie conservatrice" has prerequisite(s) WDEMENT1129 ET WDEMENT1242 ET WDEMENT1254
- WDEMENT1129 - Introduction à la pratique dentaire

- WDEMENT1242 - Matériaux dentaires : concepts et analyse critique
- WDEMENT1254 - Physiologie et sémiologie bucco-dentaires

**WFARM1212T** "Eléments de physiologie générale" has prerequisite(s) WMEDE1112 ET WMDS1105

- WMEDE1112 - Biologie et embryologie générale
- WMDS1105 - Histologie générale

**WFARM1282T** "Microbiologie générale (partim théorie)" has prerequisite(s) WMEDE1112 ET WMDS1109 ET WMDS1105

- WMEDE1112 - Biologie et embryologie générale
- WMDS1109 - Biologie moléculaire
- WMDS1105 - Histologie générale

**WMDS1237D** "Pharmacologie générale (partim sciences dentaires)" has prerequisite(s) WMEDE1112

- WMEDE1112 - Biologie et embryologie générale

**WSBIM1334D** "Immunologie générale (partim DENT)" has prerequisite(s) WMEDE1101 ET WDEMENT1111 ET WDEMENT1213 ET WDEMENT1204 ET WFARM1282T ET LANGL1856

- WMEDE1101 - Chimie générale
- WDEMENT1111 - Chimie appliquée aux sciences dentaires
- WDEMENT1213 - Histologie des systèmes
- WDEMENT1204 - Biologie cellulaire et moléculaire
- WFARM1282T - Microbiologie générale (partim théorie)
- LANGL1856 - Medical English for Dentistry students

## The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "*In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?*"

## Programme type

### DENT1BA - 1ST ANNUAL UNIT

○ Mandatory

△ Courses not taught during 2020-2021

⊕ Periodic courses taught during 2020-2021

⊗ Optional

⊖ Periodic courses not taught during 2020-2021

■ Activity with requisites

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

### o Content:

#### o Basic scientific training

○ WMEDE1100	<a href="#">Physique générale</a>	Bernard Piraux	40h+25h	5 Credits	q1
○ WMEDE1101	<a href="#">Chimie générale</a>	Mohamed Ayadim Benjamin Elias Jean-François Gohy	40h+20h	5 Credits	q1
○ WDEMENT1110	<a href="#">Physique appliquée aux sciences dentaires</a>	Sorin Melinte Bernard Piraux	20h+10h	3 Credits	q2
○ WDEMENT1111	<a href="#">Chimie appliquée aux sciences dentaires</a>	Mohamed Ayadim Benjamin Elias Jean-François Gohy	30h+20h	3 Credits	q2

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

○ WMEDE1112	<a href="#">Biologie et embryologie générale</a>	Charles De Smet (coord.) Fadel Tissir	45h+15h	5 Credits	q1
○ WMDS1105	<a href="#">Histologie générale</a>	Christophe Pierreux	20h+60h	5 Credits	q1

○ WMDS1109	Biologie moléculaire	Jean-François Collet Jean Baptiste Demoulin (coord.) Mark Rider	60h+20h	7 Credits	q2
○ WMDS1103	Anatomie générale et fonctionnelle	Catherine Behets Wydemans Benoit Lengele (coord.)	45h	5 Credits	q2

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

○ WDEnt1121	Dental anatomy	Séverine Mateu-Ramis	30h+30h	5 Credits	q1
○ WDEnt1129	Introduction à la pratique dentaire	Séverine Mateu-Ramis	10h+56h	4 Credits	q2

### ○ Professional training by practising dentistry in society

○ WMDS1106	Philosophie	Charlotte Luyckx (compensates) Peter Verdée)	30h	3 Credits	q1
○ WMDS1113	Epidémiologie, santé publique et soins de santé	Benoit Boland Jean Macq (coord.) Andrea Penalozza-Baeza	30h+20h	4 Credits	q2
○ WDEnt1108	Eléments de statistiques appliqués à l'épidémiologie et la prévention dentaire	Gaëtane Leloup (coord.) Asmaâ Sadki	30h+20h	4 Credits	q2

### ○ Clinical observations

○ WDEnt1133	Stage d'observation et projet professionnel (A)		5h+50h	2 Credits	q1+q2
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**DENT1BA - 2ND ANNUAL UNIT**

○ Mandatory

△ Courses not taught during 2020-2021

⊕ Periodic courses taught during 2020-2021

⊗ Optional

⊖ Periodic courses not taught during 2020-2021

■ Activity with requisites

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)**

○ WDEMENT1210	Head and neck anatomy and embryology ■	Catherine Behets Wydemans (coord.) Fadel Tissir	30h+24h	4 Credits	q1
○ WDEMENT1213	Histologie des systèmes ■	Christophe Pierreux Selena Toma	15h+15h	3 Credits	q1
○ WDEMENT1204	Biologie cellulaire et moléculaire ■	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	20h	2 Credits	q1
○ WDEMENT1212T	Eléments de physiologie générale ■		15h	2 Credits	q1
○ WDEMENT1254	Physiologie et sémiologie bucco-dentaires ■	Gaëtane Leloup (coord.) Julian Leprince	30h	4 Credits	q1
○ WDEMENT1282T	Microbiologie générale (partim théorie) ■	Thomas Michiels	20h	2 Credits	q1
○ WDEMENT1211	Neurosciences : neuroanatomy and neurophysiology ■	Aleksandar Jankovski	45h+10h	6 Credits	q2
○ WDEMENT1255	Biochimie humaine ■	Guido Bommer Jean-François Collet Frédéric Lemaigre (coord.) Mark Rider	30h	3 Credits	q1
○ WDEMENT1260	Physiologie humaine ■	Sonia Brichard Sophie Pierard	45h+15h	6 Credits	q2
○ WDEMENT1237D	Pharmacologie générale (partim sciences dentaires) ■	Emmanuel Hermans (coord.) Dominique Lison Pierre Wallemacq	20h	2 Credits	q1

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

○ WDEMENT1284	Prothèse amovible 1ère partie ■	Véronique Brogniez (coord.) Caroline Gillard	25h+30h	4 Credits	q2
○ WDEMENT1285	Gnathologie : Occlusion ■	Magali Dewaele (coord.) Laurent Pitance	15h	2 Credits	q2
○ WDEMENT1242	Matériaux dentaires : concepts et analyse critique ■	Gaëtane Leloup Julian Leprince Luc Randolph	40h+15h	5 Credits	q2
○ WDEMENT1244	Prévention dentaire ■	Andrej Djurkin Selena Toma (coord.)	15h	2 Credits	q2
○ WDEMENT1222	Prothèse inamovible (1re partie)	Chloé Hardy	20h	2 Credits	q2
○ WDEMENT1225	Laboratoire de dentisterie restauratrice et prothétique (1re partie) ■	Chloé Hardy Séverine Mateu-Ramis (coord.)	10h+110h	4 Credits	q1+q2

**o Professional training by practising dentistry in society**

○ LANGL1856	Medical English for Dentistry students	Aurélié Deneumoustier (coord.)	60h	5 Credits	q1+q2
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**o Clinical observations**

○ WDEMENT1243	Stage d'observation et projet professionnel (B)	Gaëtane Leloup (coord.)	5h+100h	2 Credits	q1+q2
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**DENT1BA - 3RD ANNUAL UNIT**

○ Mandatory

△ Courses not taught during 2020-2021

⊕ Periodic courses taught during 2020-2021

⊗ Optional

⊖ Periodic courses not taught during 2020-2021

■ Activity with requisites

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 Delphine Hoton Etienne Marbaix (coord.)	15h+20h	2 Credits	q2
○ WDE1330	Microbiologie médicale et bucco-dentaire ■	Benoît Kabamba-Mukadi Hector Rodriguez-Villalobos Alexia Verroken (coord.)	35h+10h	4 Credits	q1
○ WDE1337	Pathologies médicales, 1re partie ■	Patrick Chenu Isabelle De Brauwer Anne-Catherine Pouleur (coord.)	34h	3 Credits	q1
○ WDE1338	Pathologies médicales, 2e partie ■	Patrick Chenu Isabelle De Brauwer Patrick De Potter Dominique Hermans Lilianne Marot Anne-Catherine Pouleur (coord.)	36h	4 Credits	q2
○ WSBIM1334D	Immunologie générale (partim DENT) ■	Pierre Coulie (coord.)	35h	3 Credits	q1

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

○ WDE1391	Cariologie et dentisterie conservatrice ■	Matthieu Gilli Thibaut Hollaert Julian Leprince (coord.)	45h	4 Credits	q1
○ WDE1351	Chirurgie générale et bucco-dentaire ■	Daniel Leonard Raphael Olszewski (coord.)	45h	4 Credits	q1
○ WDE1320	Prothèse amovible complète ■	Véronique Brogniez (coord.) Caroline Gillard	20h	2 Credits	q1
○ WDE1321	Prothèse amovible partielle ■	Magali Dewaele (coord.) Chloé Hardy	20h	2 Credits	q2
○ WDE1324	Prothèse inamovible (2e partie) ■	David Dive Chloé Hardy (coord.)	30h	3 Credits	q1
○ WDE1335	Parodontologie ■	Andrej Djurkin Selena Toma (coord.)	40h+30h	5 Credits	q2
○ WDE1360	Dentomaxillofacial Imaging & radioprotection ■	Aurélien Chantrenne Philippe Clapuyt Raphael Olszewski (coord.)	22.5h	3 Credits	q2
○ WDE1342	Endodontie ■	Sam Aryanpour Pierre Carsin Julian Leprince	37.5h	5 Credits	q2
○ WDE1336	Anesthésie	Armand Irakoze Pierre Mahy (coord.) Victoria Van Regemorter	20h	2 Credits	q2

○ WDEnt1345	Laboratoire de dentisterie restauratrice et prothétique (2e partie) 🟡	Véronique Brogniez Pierre Carsin Caroline Gillard Chloé Hardy Julian Leprince Séverine Mateu-Ramis (coord.) Raphael Olszewski	0h+235h	7 Credits	q1+q2
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### ○ Professional training by practising dentistry in society

○ WDEnt1333	Psychologie médicale 🟡	Alain Luts (coord.) Anne Wintgens	30h	3 Credits	q2
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### ○ Clinical observations

○ WDEnt1339	Préparation à l'approche globale d'un patient adulte 🟡	Andrej Djurkin Matthieu Gilli Chloé Hardy Séverine Mateu-Ramis (coord.) Martin Stalla	30h+160h	4 Credits	q1+q2
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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](#)
- [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 of 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.

### 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/ep/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>).

- 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>)

- 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>).

- 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>)

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>).



## 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>). 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

Denomination

Faculty

Sector

Acronym

Postal address

SSS/MEDE/MDEN

(MDEN)

Faculty of Medicine and Dentistry (MEDE)

Health Sciences (SSS)

MDEN

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Tel: +32 (0)2 764 57 21 - Fax: +32 (0)2 764 57 22

Academic supervisor: Charles Pilipili

Jury

- Marie-Christine Many
- Jean Baptiste Demoulin
- Gaëtane Leloup

- Véronique Brogniez
- Christian Vanzeveren

Useful Contact(s)

- Fabienne Titeux
- Michelle Bailleux
- Responsable administrative de l'école de médecine dentaire: [sandra.dangelo@uclouvain.be](mailto:sandra.dangelo@uclouvain.be)
- Gaëtane Leloup

