

BCMM2MC

2015 - 2016

Advanced Master in Clinical Biology

At Bruxelles Woluwe - 300 credits - 5 years - Day schedule - In frenchDissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **NO** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences médicales**Organized by: **Faculté de médecine et médecine dentaire (MEDE)**Programme code: **bcmm2mc** - Francophone Certification Framework: 7**Table of contents**

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BCMM2MC - Introduction

Introduction

BCMM2MC - Teaching profile

Learning outcomes

This complementary master's programme aims to prepare doctors to be recognised holders of the particular professional title of specialist doctor in Clinical Biology (Ministerial decree of the 15.09.1979, published on 26.09.1979, modified by the Ministerial decree of 26.04.1982, 03.09.1984 and 07.03.1985).

Programme structure

The training course includes full time apprenticeships in recognised services and teaching centres and lasts for at least five years. The apprenticeship project established by the university promoter must be approved by the ministerial validation committee for the speciality. These periods of practical training include being on call. Candidates have the choice between 4 orientations :

- Medical Biochemistry
- Microbiology
- Haematological Biology
- Polyvalent Clinical Biology

The first part (2 years) is common to the four orientations.

[> Tronc commun BCMM2MC \[en-prog-2015-bcmm2mc-wbcm200t.html \]](#)

BCMM2MC Detailed programme

Programme by subject

CORE COURSES

○ Mandatory

△ Courses not taught during 2015-2016

⊕ Periodic courses taught during 2015-2016

⊗ Optional

⊖ Periodic courses not taught during 2015-2016

■ Activity with requisites

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

Year

1 2 3 4 5

○ Formation de base - Tronc commun à toutes les filières (60 credits)

L'enseignement du tronc commun est prodigué de manière interuniversitaire en collaboration avec l'ULB et l'ULg. Il s'agit de deux années de formation comprenant :

○	Enseignement théorique (85 heures)	N.		Credits		x	x	x	x	x
○	Séminaires (40 heures)	N.		Credits		x	x	x	x	x
○	Formation clinique encadrée (25 heures)	N.		Credits		x	x	x	x	x
○	Stages Il s'agit de 4 stages de 6 mois respectivement en chimie, hématologie et microbiologie, dans des laboratoires agréés par la Commission de biologie clinique.	N.		Credits		x	x	x	x	x

○ Cours obligatoires

○ WBICL2100M	Compléments de biochimie médicale (partim)	N.	45h	5 Credits	2q	x	x	x	x	x
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						Year				
						1	2	3	4	5
○ WBCMM2330	Technics in microbiology	Monique Bodéus, Michel Delmée (coord.), Gerald Glupczynski, Patrick Goubau, Te-Din Huang, Benoît Kabamba-Mukadi, Hector Rodriguez-Villalobos, Anne Simon, Jean-Paul Tomasi, Alexia Verroken	20h+30h	4 Credits		x	x	x	x	x
○ WBCMM2101	Methods in Haematological Biology	Bernard Chatelain, Jean-Philippe Defour, Dominique Latinne (coord.), François Mullier, Hélène Poirel, Pascale Saussoy	20h+10h	3 Credits		x	x	x	x	x
○ WBCMM2102	Seminars in Haematological Biology	Jean-Philippe Defour, Véronique Deneys, Dominique Latinne (coord.), François Mullier, Hélène Poirel, Pascale Saussoy	20h	2 Credits		x	x	x	x	x

⊗ Cours à option

⊗ WBICL2106	Informatique appliquée à la biologie clinique	Benoît Debande (coord.), Catherine Fillee	15h+15h	3 Credits		x	x	x	x	x
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o Formation avancée (60 credits)

L'étudiant choisira l'une des 4 filières suivantes :

⊗ Filière Biochimie médicale

Il s'agit de trois années de formation comprenant :

○	Enseignement théorique (18 heures)	N.		Credits		x	x	x	x	x
○	Séminaires (105 heures)	N.		Credits		x	x	x	x	x
○	Formation clinique encadrée (27 heures)	N.		Credits		x	x	x	x	x
○	Stages Il s'agit de 3 périodes de stages d'un an à temps plein en biochimie médicale dans des laboratoires agréés par la Commission de biologie clinique.	N.		Credits		x	x	x	x	x

○ Cours obligatoires

○ WBCMM2200	Special topics on clinical chemistry	Vincent Haufroid, Marie-Françoise Vincent, Pierre Wallemacq (coord.)	30h	5 Credits		x	x	x	x	x
○ WARM2502	Further development in analytical toxicology and phytopharmacy	Pierre Wallemacq	20h+10h	3 Credits	2q	x	x	x	x	x

○ Mémoire

○ WBCMM2900	Mémoire	N.		18 Credits		x	x	x	x	x
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⊗ Cours à option

⊗ WBICL2107	Principe et méthodologie des dosages immunologiques	Diane Maisin	15h+40h	3 Credits	2q	x	x	x	x	x
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⊗ Filière Microbiologie

Il s'agit de trois années de formation comprenant :

○	Enseignement théorique (150 heures)	N.		Credits		x	x	x	x	x
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							Year				
							1	2	3	4	5
○	Stages <i>Il s'agit de 3 périodes de stages d'un an à temps plein en microbiologie dans des laboratoires agréés par la Commission de biologie clinique.</i>	N.		Credits			x	x	x	x	x
○ Cours obligatoires											
○	WBICL2102M Compléments de microbiologie (partim M)	N.	60h	5 Credits	2q		x	x	x	x	x
○	WBICL2104 New aspects on the use of autoimmune serology	Jean-Paul Tomasi	15h	2 Credits	2q		x	x	x	x	x
○	WBICL2103M Compléments de virologie (partim M)	N.	45h	4 Credits	2q		x	x	x	x	x
○	WFARM1382 Molecular genetics and drugs	Etienne De Plaen, Jean-Noël Octave (coord.)	30h	3 Credits	1q		x	x	x	x	
○ Mémoire											
○	WBCMM2900 Mémoire	N.		18 Credits			x	x	x	x	x
⊗ Cours à option											
⊗	WMED1264 Hygiène hospitalière	Anne Simon	15h	2 Credits	2q		x	x	x	x	x
⊗	WBICL2106 Informatique appliquée à la biologie clinique	Benoît Debande (coord.), Catherine Fillee	15h+15h	3 Credits			x	x	x	x	x
⊗	WFSP2238 Epidémiologie avancée	Niko Speybroeck	20h+20h	5 Credits	2q		x	x	x	x	x
⊗	WSBIM2216 Maladies inflammatoires, auto-immunitaires et cancer: aspects immunologiques	Pierre Coulie (coord.), Laure Dumoutier, Sophie Lucas, Jean-Christophe Renaud	20h+10h	3 Credits	2q		x	x	x	x	x
⊗ Filière Biologie hématologique											
<i>Il s'agit de trois années de formation comprenant :</i>											
○	Enseignement théorique (15 heures)	N.		Credits			x	x	x	x	x
○	Séminaires (135 heures)	N.		Credits			x	x	x	x	x
○	Stages <i>Il s'agit de 3 périodes de stages d'un an à temps plein en biologie hématologique dans des laboratoires agréés par la Commission de biologie clinique.</i>	N.		Credits			x	x	x	x	x
○ Cours obligatoires											
○	WBCMM2201 Morphologie des organes hématopoïétiques et cytologie clinique	Jean-Philippe Defour, François Mullier, Pascale Saussoy (coord.)	15h	2 Credits			x	x	x	x	x
○	WBCMM2202 Protocoles de morphologie hématologique	Jean-Philippe Defour, François Mullier, Pascale Saussoy (coord.)	45h	4 Credits			x	x	x	x	x
○	WBICL2101 Questions spéciales d'immunologie, d'immunohématologie et de transfusion	Véronique Deneys, Dominique Latinne (coord.), Pascale Saussoy	45h	4 Credits	2q		x	x	x	x	x
○	WBCMM2203 Questions spéciales d'hémostase	Stéphane Eeckhoudt, Cédric Hermans (coord.)	45h	4 Credits			x	x	x	x	x
○ Mémoire											
○	WBCMM2900 Mémoire	N.		18 Credits			x	x	x	x	x
⊗ Cours à option											
⊗	WINTR2181 Compléments d'hémostase	Stéphane Eeckhoudt, Cédric Hermans (coord.), Catherine Lambert	15h	2 Credits	2q		x	x	x	x	x

						Year				
						1	2	3	4	5
⊗ WINTR2182	Complements in Haematology	Chantal Doyen, Carlos Graux, Violaine Havelange, Laurent Knoops (coord.), Lucienne Michaux, Xavier Poire, Hélène Poirel, Anne Sonet, Eric Van Den Neste, Marie- Christiane Vekemans	15h	2 Credits	2q	x	x	x	x	x
⊗ WBCMM2204	Séminaires de biologie clinique postgradués	Jean-Philippe Defour, Pascale Saussoy (coord.)	8h	2 Credits		x	x	x	x	x
⊗ WSBIM2216	Maladies inflammatoires, auto-immunitaires et cancer: aspects immunologiques	Pierre Coulie (coord.), Laure Dumoutier, Sophie Lucas, Jean- Christophe Renaud	20h+10h	3 Credits	2q	x	x	x	x	x

⊗ Filière Biologie clinique polyvalente

Il s'agit de trois années de formation comprenant :

○	Enseignement théorique (50 heures)	N.		Credits		x	x	x	x	x
○	Séminaires (100 heures)	N.		Credits		x	x	x	x	x
○	Stages <i>Il s'agit de 3 périodes de stages d'un an à temps plein respectivement en biologie médicale, en microbiologie et en biologie hématologique, dans des laboratoires agréés par la Commission de biologie clinique.</i>	N.		Credits		x	x	x	x	x

○ Cours obligatoires

○ WBCMM2200	Special topics on clinical chemistry	Vincent Haufroid, Marie-Françoise Vincent, Pierre Wallemacq (coord.)	30h	5 Credits		x	x	x	x	x
○ WBICL2102C	Compléments de microbiologie (partim C)	N.	29h	3 Credits	2q	x	x	x	x	x
○ WBICL2103C	Compléments de virologie (partim C)	N.	21h	2 Credits	2q	x	x	x	x	x
○ WBCMM2202M	Protocoles de morphologie hématologique (partim)	N.	15h	2 Credits		x	x	x	x	x
○ WBICL2101M	Questions spéciales d'immunologie, d'immunohématologie et de transfusion	N.	20h	2 Credits	2q	x	x	x	x	x
○ WBCMM2203M	Questions spéciales d'hémostase (partim)	N.	15h	2 Credits		x	x	x	x	x

○ Mémoire

○ WBCMM2900	Mémoire	N.		18 Credits		x	x	x	x	x
⊗	Cours à option <i>Tous les cours mentionnés dans les autres filières du master complémentaire.</i>	N.		Credits		x	x	x	x	x

The programme's courses and learning outcomes

For each UCL 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?"

The document is available by clicking [this link](#) after being authenticated with UCL account.

BCMM2MC - Information

Admission

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

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.

General requirements

Subject to the general requirements laid down by the academic authorities, admission to the specialized Master's degree programme will be granted to students who fulfil the entry requirements for studies leading to the award of a Master's (second-cycle) degree and who hold a second-cycle diploma, degree, certificate or other qualification issued within or outside the French Community of Belgium, or whose prior learning or experience has been accredited by the Examination Board as being equivalent to at least 300 credits.

Specific Admission Requirements

Admission conditions

- The applicant must hold the degree title of Doctor in Medecine or be a Doctor from a member country of the European Union authorising medical practice in Belgium.
- The applicant must be in possession of a document attesting that, at the end of the selection exams, he was retained as a specialist candidate in Clinical Biology, in a Belgian medical faculty.
- The entrance exam includes the evaluation of the study curriculum, compulsory work experience periods (2 months minimum) in Clinical Biology as well as an exam focussing on the three subject areas : medical biochemistry, microbiology and haematological biology.

The juridical context and practical procedures regarding these selection tests can be obtained from the secretary's office. Degree holders from outside the European Union are only allowed to register on the programme in the context of procuring a university certificate for partially specialised training for the duration of two years (if they are in the process of doing a specialisation in their country of origin) or for an in-depth specialised training course for the duration of one year (if they are already recognised as specialists in their own country).

The Royal Decree of the 30.05.2002, relating to the planning of the medical offer published on the 14.06.2002, applies to those candidates wishing to obtain the title of specialist doctor in Clinical Biology (those candidates are thus counted among the general practitioner candidates or specialists in the context of the numerus clausus).

Admission procedures

Applications for admission must be addressed to the academic supervisor. The organisation of the entrance selection tests is arranged in accordance with the calendar and the general examination rules and regulations.

Evaluation

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

Presentation for the exam for compulsory courses at the end of the 2nd and 5th year. Presentation of a thesis based on a publication in an international magazine of which the candidate is the first author. The subject of the thesis must be approved by the Committee.

Further to the application of the Royal Decree of 16 March, 1999, after the first two years of studies, the candidate will receive an attestation proving he has successfully accomplished a specific university training programme. Upon fulfilment of the training requirements, described above, the teaching committee will award the academic title in Clinical Biology, specifying the orientation chosen.

This title does not replace official recognition by the ministerial validation committee. It attests the successful completion of an academic and scientific study programme in the context of specialised training leading to this validation.

Contacts

Curriculum Management

Entite de la structure MEDE

Sigle	MEDE
Dénomination	Faculté de médecine et médecine dentaire
Adresse	Avenue Mounier 50 bte B1.50.04 1200 Woluwe-Saint-Lambert Tél 02 764 50 20 - Fax 02 764 50 35
Secteur	Secteur des sciences de la santé (SSS)
Faculté	Faculté de médecine et médecine dentaire (MEDE)
Mandats	Dominique Vanpee Doyen
Commissions de programme	Commission du master complémentaire en médecine générale (CAMG) Commission des certificats en radioprotection (CRPR) Commission des masters complémentaires et certificats en médecine spécialisée (MCCM) Ecole de médecine dentaire et de stomatologie (MDEN) Ecole de médecine (MED)

Academic Supervisor : [Pascale Saussoy](#)

Jury:

Usefull Contacts

