

BCMM2MC

2013 - 2014

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** - European Qualifications Framework (EQF): 7**Table of contents**

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BCMM2MC - Introduction

BCMM2MC - Admission

Decree of March 31st 2004 defining higher education, favoring its integration in the European framework of higher education and refinancing universities.

The admission requirements have to be met at the time of enrolment at the university.

All information can be obtained from the [University's Enrolment Office \(Service des inscriptions – SIC\)](#).

The following students, after meeting the conditions set by the academic authorities, have access to the complementary Master's degree with the aim of obtaining the grade that these studies sanction:

- An academic Master's degree within the same field allowing 2nd-cycle studies, including at least 120 credits
- An academic Master's degree, following a decision by the academic authorities, under the complementary conditions that they set and as a result of a motivated decision by the jury
- An academic grade which is similar to those mentioned above, issued by the Flemish Community, the German Community or the Royal Military Academy, under the same conditions
- A foreign academic grade that has been acknowledged as being equivalent to those mentioned above, in application of this decree, a European-level directive or an international convention, under the same conditions
- Under the same conditions, one or several titles or academic grade issued by the Flemish Community, the German Community or the Royal Military Academy, sanctioning 2nd-cycle studies and valued at least 300 credits by the jury, or sanctioning 2nd-cycle studies and valued at least 240 credits completed of 60 credits, the all that must be valued by the jury according to the decree of March 31st, 2004 (art 54, 5 °)

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

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.

BCMM2MC - Information

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).

Evaluation

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.

BCMM2MC - Contacts

Curriculum Managment

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 : [Patrick Goubau](#)

Jury

Usefull Contacts

BCMM2MC - Detailed programme

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.

Core study

[> Tronc commun BCMM2MC](#) [en-prog-2013-bcmm2mc-wbcm200t.html]

Programme by subject

Core courses

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

⊞ Two years course

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 crédits)

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		X	X	X	X	X
○ WBCMM2330	Technics in microbiology	Monique Bodéus, Michel Delmée (coord.), Gerald Glupczynski, Patrick Goubau, Benoît Kabamba-Mukadi, Hector Rodriguez-Villalobos, Anne Simon, Jean-Paul Tomasi, Alexia Verroken	20h+30h	4 Credits		X	X	X	X	X

						Year				
						1	2	3	4	5
○ WBCMM2101	Methods in Haematological Biology	Bernard Chatelain, Véronique Deneys, Jean-Marie Scheiff (coord.)	20h+10h	3 Credits		x	x	x	x	x
○ WBCMM2102	Seminars in Haematological Biology	Véronique Deneys, Jean-Marie Scheiff (coord.)	20h	2 Credits		x	x	x	x	x

⊗ Cours à option

⊗ WBICL2106	Informatique appliquée à la biologie clinique	Benoît Debande (coord.), Catherine Fillee, Marianne Philippe	15h+15h	3 Credits		x	x	x	x	x
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○ 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
○ WFARM2502	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, Marianne Philippe (coord.)	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
○	Stages 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.	N.		Credits		x	x	x	x	x

○ Cours obligatoires

○ WBICL2102M	Compléments de microbiologie (partim M)	N.	60h	5 Credits		x	x	x	x	x
○ WBICL2104	New aspects on the use of autoimmune serology	Jean-Paul Tomasi	15h	2 Credits		x	x	x	x	x
○ WBICL2103M	Compléments de virologie (partim M)	N.	45h	4 Credits		x	x	x	x	x
○ WFARM1382	Molecular genetics and drugs	Etienne De Plaen, Jean-Noël Octave (coord.)	30h	3 Credits	2q	x	x	x	x	

○ Mémoire

						Year				
						1	2	3	4	5
○ 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, Marianne Philippe	15h+15h	3 Credits		x	x	x	x	x
⊗ WESP2121	Epidemiology	Niko Speybroeck	20h+20h	4 Credits	2q	x	x	x	x	x
⊗ WSBIM2216	Immunologie expérimentale	Pierre Coulie (coord.), Laure Dumoutier, Sophie Lucas, Jean- Christophe Renaud	30h	3 Credits		x	x	x	x	x

⊗ Filière Biologie hématologique

Il s'agit de trois années de formation comprenant :

○	Enseignement théorique (15 heures)	N.		Credits		x	x	x	x	x
○	Séminaires (135 heures)	N.		Credits		x	x	x	x	x
○	Stages 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.	N.		Credits		x	x	x	x	x

○ Cours obligatoires

○ WBCMM2201	Morphologie des organes hématopoïétiques et cytologie clinique	Jean-Marie Scheiff	15h	2 Credits		x	x	x	x	x
○ WBCMM2202	Protocoles de morphologie hématologique	Jean-Marie Scheiff	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		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
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⊗ Cours à option

⊗ WINTR2181	Compléments d'hémostase	Christian Chatelain, Stéphane Eeckhoudt, Cédric Hermans (coord.), Catherine Lambert	15h	2 Credits	2q	x	x	x	x	x
⊗ 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 d'hématologie postgradués	N.	8h	2 Credits		x	x	x	x	x
⊗ WSBIM2216	Immunologie expérimentale	Pierre Coulie (coord.), Laure Dumoutier, Sophie Lucas, Jean- Christophe Renaud	30h	3 Credits		x	x	x	x	x

⊗ Filière Biologie clinique polyvalente

Il s'agit de trois années de formation comprenant :

						Year				
						1	2	3	4	5
○	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 Hauroid, Marie-Françoise Vincent, Pierre Wallemacq (coord.)	30h	5 Credits		x	x	x	x	x
○	WBICL2102C Compléments de microbiologie (partim C)	N.	29h	3 Credits		x	x	x	x	x
○	WBICL2103C Compléments de virologie (partim C)	N.	21h	2 Credits		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		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

