

**At Bruxelles Woluwe - 300 credits - 5 years - Day schedule - In French**Dissertation/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: **Faculty of Medicine and Dentistry (MEDE)**Programme acronym: **MNUC2MC** - Francophone Certification Framework: 7**Table of contents**

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## MNUC2MC - Introduction

### Introduction

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## MNUC2MC - Teaching profile

### Learning outcomes

This complementary master's programme aims to prepare doctors to become recognised holders of the specific professional title of specialist doctor in Nuclear Medicine (Ministerial decree of 19.07.1996 published on 10.09.1996).

### Programme structure

The training course includes full time apprenticeships in recognised services and teaching centres. It lasts for at least five years, (full-time), three years of which consist of foundation studies and two years of higher studies. The apprenticeship project established by the university work promoter must be approved by the ministerial validation committee for the speciality. These periods of practical training include being on call.

## MNUC2MC Programme

### Detailed programme by subject

#### CORE COURSES [300.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊙ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2 3 4 5

#### ○ Premier bloc annuel (Formation universitaire spécifique - FUS) (60 credits)

○ WINTR2311	Questions spéciales de médecine interne, 1re année	Philippe Hainaut (coord.)	FR [q2] [80h] [8 Credits]	X				
○ WINTR2331	Enseignement interuniversitaire, 1re année	Philippe Hainaut (coord.)	FR [q2] [40h] [4 Credits]	X				
○ WINTR2381	Stages cliniques de médecine interne, 1re année, 1re partie		FR [q1+q2] [] [30 Credits]	X				
○ WINTR2391	Stages cliniques de médecine interne, 1re année, 2e partie		FR [q3] [] [18 Credits]	X				

#### ○ Deuxième bloc annuel (Formation universitaire spécifique - FUS) (60 credits)

○ WINTR2312	Questions spéciales de médecine interne, 2e année	Philippe Hainaut (coord.)	FR [q2] [80h] [8 Credits]		X			
○ WINTR2332	Enseignement interuniversitaire, 2e année	Philippe Hainaut (coord.)	FR [q2] [40h] [4 Credits]		X			
○ WINTR2382	Stages cliniques de médecine interne, 2e année, 1re partie		FR [q1+q2] [] [30 Credits]		X			
○ WINTR2392	Stages cliniques de médecine interne, 2e année, 2e partie		FR [q3] [] [18 Credits]		X			

### o Troisième bloc annuel (60 crédits)

#### o Enseignement théorique obligatoire (18 crédits)

Le médecin candidat spécialiste choisit 18 crédits parmi la liste des cours ci-dessous et il doit avoir suivi l'ensemble de cet enseignement au plus tard à la fin du 4e bloc annuel.

○ LPHY2360	Physique atomique, nucléaire et des radiations	Eduardo Cortina Gil	FR [q1] [22.5h] [2 Credits]						X	X
○ WMNUC3120	Techniques de mesures et démonstrations	Michel Hesse	FR [] [15h+30h] [3 Credits]						X	X
○ WESP1010	Introduction à la statistique descriptive et aux probabilités	William D'Hoore (coord.) Séverine Henrard Niko Speybroeck	FR [q1] [18h+18h] [3 Credits]						X	X
○ WRFAR2100	Radiochemistry, radiotoxicology & radiopharmacy	Bernard Gallez	FR [q1] [22.5h+60h] [4 Credits]						X	X
○ WRPR2001	Notions de base de radioprotection	Pascal Carlier Michaël Dupont François Jamar (coord.) Renaud Lhommel	FR [q1] [10h+5h] [2 Credits]						X	X
○ WRPR2002	Compléments de radioprotection	Dana Ioana Dumitriu Michaël Dupont François Jamar (coord.)	FR [q2] [20h+10h] [3 Credits]						X	X
○ WBICL2107	Principe et méthodologie des dosages immunologiques	Diane Maisin	FR [q2] [15h] [3 Credits]						X	X
○ WRPR3010M	Questions spéciales de radioprotection (partim)	François Jamar (coord.)	FR [q2] [15h] [2 Credits]						X	X
○ WRDTH2331B	Radiobiologie et radiogénétique - (partim radiobiologie)		FR [q2] [22.5h] [2 Credits]						X	X

#### o Stages (42 crédits)

○ WMNUC2383	Stages cliniques de médecine nucléaire 3e année, 1re partie		FR [q1+q2] [] [28 Credits]							X
○ WMNUC2393	Stages cliniques de médecine nucléaire 3e année, 2e partie		FR [q3] [] [14 Credits]							X

### o Quatrième bloc annuel (60 crédits)

#### o Enseignement théorique obligatoire (18 crédits)

Le médecin candidat spécialiste choisit 18 crédits parmi la liste des cours ci-dessous et il doit avoir suivi l'ensemble de cet enseignement au plus tard à la fin du 4e bloc annuel.

○ LPHY2360	Physique atomique, nucléaire et des radiations	Eduardo Cortina Gil	FR [q1] [22.5h] [2 Credits]						X	X
○ WMNUC3120	Techniques de mesures et démonstrations	Michel Hesse	FR [] [15h+30h] [3 Credits]						X	X
○ WESP1010	Introduction à la statistique descriptive et aux probabilités	William D'Hoore (coord.) Séverine Henrard Niko Speybroeck	FR [q1] [18h+18h] [3 Credits]						X	X
○ WRFAR2100	Radiochemistry, radiotoxicology & radiopharmacy	Bernard Gallez	FR [q1] [22.5h+60h] [4 Credits]						X	X
○ WRPR2001	Notions de base de radioprotection	Pascal Carlier Michaël Dupont François Jamar (coord.) Renaud Lhommel	FR [q1] [10h+5h] [2 Credits]						X	X
○ WRPR2002	Compléments de radioprotection	Dana Ioana Dumitriu Michaël Dupont François Jamar (coord.)	FR [q2] [20h+10h] [3 Credits]						X	X
○ WBICL2107	Principe et méthodologie des dosages immunologiques	Diane Maisin	FR [q2] [15h] [3 Credits]						X	X
○ WRPR3010M	Questions spéciales de radioprotection (partim)	François Jamar (coord.)	FR [q2] [15h] [2 Credits]						X	X
○ WMNUC2344	Utilisation des radioisotopes	François Jamar (coord.)	FR [] [50h] [8 Credits]							X
○ WMNUC2354	Démonstrations, techniques et protocoles de médecine nucléaire in vivo	François Jamar (coord.)	FR [] [30h] [4 Credits]							X
○ WRDTH2331B	Radiobiologie et radiogénétique - (partim radiobiologie)		FR [q2] [22.5h] [2 Credits]							X

#### o Stages (42 crédits)

○ WMNUC2384	Stages cliniques de médecine nucléaire 4e année, 1re partie		FR [q1+q2] [] [28 Credits]							X
○ WMNUC2394	Stages cliniques de médecine nucléaire 4e année, 2e partie		FR [q3] [] [14 Credits]							X

**o Cinquième bloc annuel (60 credits)**

WRDGN3120	Methods, techniques and quality controle in medical imaging	Emmanuel Coche François Jamar Renaud Lhomme Nicolas Michoux (coord.) Bruno Vande Berg	PR [q2] [25h+5h] [2 Credits]							X
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**o Stages (42 credits)**

WMNUC2385	Stages cliniques de médecine nucléaire 5e année, 1re partie		PR [q1+q2] [] [30 Credits]							X
WMNUC2395	Stages cliniques de médecine nucléaire 5e année, 2e partie		PR [q3] [] [12 Credits]							X

**o Mémoire (16 credits)**

WMNUC2325	Mémoire de médecine nucléaire		PR [q2] [] [16 Credits]							X
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## The programme's courses and learning outcomes

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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.

## MNUC2MC - Information

### Access Requirements

*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.*

***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](#)

### General access 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 access requirements

#### Specific Admission Requirements

##### Admission conditions

- The applicant must hold the degree title of Doctor in Medicine 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 Nuclear medicine, in a Belgian medical faculty.

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 for the public, published on the 14.06.2002, applies to those candidates wishing to obtain the title of Specialist Doctor in Nuclear Medicine (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.

## 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](#).

## 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".***

Further to the application of the Royal Decree of 16 March, 1999, at the end of the first two years of training, the candidate will receive an attestation proving that he has successfully accomplished a specific university training course. A thesis, based on the conditions laid down by the Ministerial Decree of 19 July, 1996, will be presented and defended orally. Upon fulfilment of the above-described training requirements, the teaching committee will award the academic title in Nuclear Medicine.

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

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### Curriculum Management

Faculty

Structure entity

Denomination

Sector

Acronym

Postal address

SSS/MEDE

Faculty of Medicine and Dentistry ([MEDE](#))

Health Sciences ([SSS](#))

MEDE

Avenue Mounier 50 - bte B1.50.04

1200 Woluwe-Saint-Lambert

Tel: [+32 \(0\)2 764 50 20](tel:+3227645020) - Fax: [+32 \(0\)2 764 50 35](tel:+3227645035)

Mandate(s)

- Dean : Françoise Smets

Commission(s) of programme

- Commission des masters de spécialisation et certificats en médecine ([MSCM](#))

Academic supervisor: [François Jamar](https://uclouvain.be/repertoires/francois.jamar) (<https://uclouvain.be/repertoires/francois.jamar>)

Jury

- President of Jury: [François Jamar](https://uclouvain.be/repertoires/francois.jamar) (<https://uclouvain.be/repertoires/francois.jamar>)
- Secretary of Jury: [Thierry Vander Borght](https://uclouvain.be/repertoires/thierry.vanderborght) (<https://uclouvain.be/repertoires/thierry.vanderborght>)



