

**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 2026-2027
- ⊙ Not offered in 2026-2027 but offered the following year
- ⊕ Offered in 2026-2027 but not the following year
- △ ⊕ Not offered in 2026-2027 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 4 5

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

○ WINTR2311	Questions spéciales de médecine interne, 1re année	Jean Cyr Yombi (coord.)	FR [q2] [80h] [8 Credits] ⊕	X					
○ WINTR2331	Enseignement interuniversitaire, 1re année	Jean Cyr Yombi (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	Jean Cyr Yombi (coord.)	FR [q2] [80h] [8 Credits] ⊕		X				
○ WINTR2332	Enseignement interuniversitaire, 2e année	Jean Cyr Yombi (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 credits)

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

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	Technology and techniques in nuclear medicine	Michel Hesse	FR [q1] [20h+30h] [3 Credits]						X	X
○ WESP1010	Introduction to probability and descriptive statistics	Séverine Henrard Niko Speybroeck (coord.)	FR [q1] [18h+18h] [3 Credits]						X	X
○ WRFAR2100	Radiochemistry, radiotoxicology & radiopharmacy	Bernard Gallez	FR [q1] [22.5h+60h] [4 Credits]						X	X
○ WRPR2021	Radiation protection - general concepts and legislation	Pascal Carlier Dana Ioana Dumitriu Damien Dumont Olivier Gheysens Renaud Lhommel (coord.) Renaud Menten	FR [q2] [23h+5h] [3 Credits]						X	X
○ WRPR2022M	In-depth questions on radiation protection		FR [q2] [28h] [3 Credits]						X	X
○ WBICL2107	Principe et méthodologie des dosages immunologiques	Damien Gruson	FR [q2] [15h] [3 Credits]						X	X
○ WRDTH2331B	Radiobiology - (partim radiobiology)		EN [q2] [22.5h] [3 Credits]						X	X

#### o Stages (42 credits)

○ 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 credits)

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

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	Technology and techniques in nuclear medicine	Michel Hesse	FR [q1] [20h+30h] [3 Credits]						X	X
○ WESP1010	Introduction to probability and descriptive statistics	Séverine Henrard Niko Speybroeck (coord.)	FR [q1] [18h+18h] [3 Credits]						X	X
○ WRFAR2100	Radiochemistry, radiotoxicology & radiopharmacy	Bernard Gallez	FR [q1] [22.5h+60h] [4 Credits]						X	X
○ WRPR2021	Radiation protection - general concepts and legislation	Pascal Carlier Dana Ioana Dumitriu Damien Dumont Olivier Gheysens Renaud Lhommel (coord.) Renaud Menten	FR [q2] [23h+5h] [3 Credits]						X	X
○ WRPR2022M	In-depth questions on radiation protection		FR [q2] [28h] [3 Credits]						X	X
○ WBICL2107	Principe et méthodologie des dosages immunologiques	Damien Gruson	FR [q2] [15h] [3 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	Radiobiology - (partim radiobiology)		EN [q2] [22.5h] [3 Credits]						X	X

#### o Stages (42 credits)

○ 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	Gaëtan Duchêne François Jamar Renaud Lhomme Nicolas Michoux (coord.) Vassiliki Pasoglou	FR [q2] [25h+5h] [2 Credits]							X
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**o Stages (42 credits)**

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

**o Mémoire (16 credits)**

WMNUC2325	Mémoire de médecine nucléaire		FR [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.*

*Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.*

***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

Translated from [https://www.gallilex.cfwb.be/fr/leg\\_res\\_01.php?ncda=39681&referant=I02](https://www.gallilex.cfwb.be/fr/leg_res_01.php?ncda=39681&referant=I02)

Art. 112. of the "Décret définissant le paysage de l'enseignement supérieur et l'organisation académique des études" :

§ 1. In accordance with the general requirements established by the academic authorities, students who have:

1. a master's degree;
2. an academic degree similar to the one mentioned in the preceding paragraph awarded by a higher education institution in the Flemish Community or the German-speaking Community, or by the Royal Military Academy, by virtue of a decision of the academic authorities and in accordance with any additional requirements they may establish;
3. a foreign academic degree deemed equivalent to the one mentioned in paragraph 1, in accordance with this Decree, a European directive, an international convention or other legislation, in accordance with the same requirements.

The additional admission requirements referred to in paragraph 2 are intended to ensure that the student has acquired the knowledge and skills required for the studies in question. When the additional admission requirements consist of one or more additional course units, these may not represent more than 60 additional credits for the student, taking into account all the credits that he or she may otherwise use for admission. These course units are part of the student's study programme.

§ 2. In accordance with the general requirements established by the academic authorities, a student who holds a title, diploma, degree or certificate of higher education, in the French Community or outside it, which does not grant him or her eligibility for admission to a specialised master's course by virtue of the preceding paragraph, may nevertheless be admitted by the jury of the course in question, in accordance with the additional requirements that it establishes, if the totality of the higher education that he or she has completed or the expertise that he or she has acquired is valued by the jury to be at least 240 credits.

§ 3. By way of derogation from these general requirements, the academic authorities may also admit to a specialised master's course holders of a title, diploma, degree or certificate awarded outside the French Community which, in that system of origin, grants direct eligibility for postgraduate studies, even if the studies sanctioned by these credentials are not organised into distinct degree courses or within a time period of at least five years.

### 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 [Academic regulations and procedures](#). 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

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Mandate(s)

- Dean : Nicolas Tajeddine

Commission(s) of programme

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

Academic supervisor: [François Jamar](#)

Jury

- President of Jury: [François Jamar](#)
- Secretary of Jury: [Thierry Vander Borgh](#)

