



## GNUC2MC - Introduction

### Introduction

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This specialization Master's degree is organized by the BNEN consortium (Belgian Nuclear higher Education Network) at the Nuclear Study Center (SCK.CEN) in Mol.

The information is available on the [BNEN](#) website.

**ATTENTION:** Register for this programme through the institution responsible for its administrative management, i.e. [ULB](#), not through the UCLouvain Enrolment Office.

#### Your profile

The admission criteria for the specialized master's degree in nuclear engineering can be seen on the page <https://bnen.sckcen.be/en/how-apply#anchor-admission-criteria>.

#### Your programme

The course program for the master's degree in nuclear engineering is visible on the page <https://bnen.sckcen.be/programme#anchor-programme>

## GNUC2MC - Teaching profile

### Learning outcomes

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The objective of the Complementary Master's course in Nuclear Engineering is to enable students to acquire the high level skills needed to design and run electro-nuclear power stations, taking into account the legal prescriptions and regulations relating to the safety of these plants. In a wider perspective, to enable students to acquire a university-level specialisation in nuclear science and technology which is recognised at the European level

### Programme structure

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This program consists of a common core of 31 credits, a master thesis of 20 credits and 9 additional credits to choose from among the optional courses.

This program is set out in detail on the [website of SCK.CEN à Mol](#)

Core curriculum of the Complementary Master in Nuclear Engineering

Electives of the Complementary Master in Nuclear Engineering

## GNUC2MC Programme

### The programme's courses and learning outcomes

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For each UCLouvain training programme, a



## Teaching method

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Access to the resources (researchers and laboratories with their major infrastructure) of the Centre d'Études Nucléaires (SCK•CEN) is indispensable to ensure the pedagogical quality of this program. The interuniversity partnership guarantees the availability of

- Thermodynamics and fluid mechanics (TFL)
- Laboratoire d'Analyse, Caractérisation et Mise en oeuvre (ACAM)
- Conception, Réalisation et Essais de Dispositifs ElectroMécaniques (CRDM)
- Laboratoire Essais mécaniques, Structures et génie civil (EMSC)

Academic supervisor: [Yann Bartosiewicz](#)

Jury

- Président du Jury: [Jean-Didier Legat](#)
- Secrétaire du Jury: [Yann Bartosiewicz](#)

Useful Contact(s)

- Secrétariat: [Isabelle Hennau](#)

