**MASTER OF NUCLEAR ENGINEERING (ADVANCED MASTER)**

Organised jointly by Ghent University, Vrije Universiteit Brussel, Katholieke Universiteit Leuven, Université de Liège, Université Catholique de Louvain and Université Libre de Bruxelles, with the collaboration of the Belgian Nuclear Research Centre

60 ECTS CREDITS – LANGUAGE: ENGLISH – DEGREE: MASTER OF SCIENCE

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**COURSE STRUCTURE**

The BNEN one-year programme was created in close collaboration with representatives of the utility companies and power plants and teaches students in all aspects of nuclear technology and its applications, creating nuclear engineering experts in the broad sense.

The programme consists of a compulsory part of general courses, that needs to be complemented with three elective courses. These elective courses are used to either broaden or deepen a theme. Exercises and hands-on sessions in the specialised laboratories of SCK•CEN complement the theoretical classes and strengthen the development of nuclear skills and attitudes in a research environment. Various technical visits are organised to research and industrial nuclear facilities.

**Master’s dissertation**

The master’s dissertation is an essential part of the programme, where the students have to apply the competences they have acquired during the year on a specific research project of their choice. The subjects can be chosen in a large domain of nuclear engineering related topics, that are directly linked to the R&D programme of SCK•CEN, research of the professors at the partner universities, or operational problems in industry.

**CAREER PERSPECTIVES**

The objective of the Master of Nuclear Engineering is to offer present/future professionals and researchers a solid background in the different disciplines of nuclear engineering.
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TOELATINGSVoorwaarden Voor houders van een Vlaams diploma

Na geschiktheidsonderzoek:
− Hoger Onderwijs van de Vlaamse Gemeenschap:
  − Ma ingenieurswetenschappen (uitgezonderd MSc ingenieurswetenschappen architectuur)
  − MSc in Engineering (uitgezonderd MSc Architectural Engineering)
  − Master bio-ingenieurswetenschappen
− Hoger Onderwijs van de Franse Gemeenschap:
  − Master Ingénieur Civil (uitgezonderd Master Ingénieur Civil Architecte)
  − Master Bioingénieur
− Koninklijke Militaire School / Ecole Royale Militaire (Brussel):
  − Master of Science in Engineering

Na geschiktheidsonderzoek en na het volgen van een voorbereidingsprogramma:
− ander masterdiploma

TAAL
Je voldoet aan de taalvoorwaarden op basis van je Vlaams diploma

PRAKTISCHE INFORMATIE

Studieprogramma:
https://studiegids.ugent.be
> faculteiten > opleidingstypes > ga naar de opleiding van je keuze

Infomomenten
Masterbeurs
www.ugent.be/masterbeurs

Studiegeld
Meer informatie vind je op:
www.ugent.be/studiegeld

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# MASTER OF NUCLEAR ENGINEERING

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## ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

Applicants must have obtained an academic degree after at least five years of study (Master of Science, Engineering or equivalent) in a discipline related to the content of the programme from a recognised University, College or Institute.

## LANGUAGE

More information regarding the required knowledge of English: www.ugent.be/languagerequirements

## PRACTICAL INFORMATION

### Study programme

www.ugent.be/coursecatalogue

− by Faculty > Programme types > select your programme

### Application deadline for international degree students

− for students who need a visa: 1st of March
− for students who do not need a visa: 1st of June

www.ugent.be/deadline

### Enrolling institution

Ghent University

### Tuition fee

More information to be found on:

www.ugent.be/tuitionfee

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**Contact**

Faculty of Engineering and Architecture
International Relations Officer – Degree students
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