

Study Programme

Academic year 2026-2027

Programme jointly offered by Ghent University, Université Catholique de Louvain, University of Liège, Université libre de Bruxelles, Vrije Universiteit Brussel, KU Leuven

Master of Science in Nuclear Engineering

Language of instruction: English

Programme version 2

1	Genera	Courses			31	credits
۷r	Course		CRDT	Ref MT1	Session	Study
1	E038540	Nuclear Energy: Introduction William D'haeseleer KU Leuven	3	1	A:1	90
2	E038701	Introduction to Nuclear Physics and Measurements Nicolas Pauly Université libre de Bruxelles	3	1	A:1	90
3	E038501	Radiation Protection Klaus Bacher Department of Human Structure and Repair	3	1	A:1	90
ļ	E038581	Nuclear Reactor Theory William D'haeseleer KU Leuven	6	1	A:2	168
5	E038681	Nuclear Fuel Cycle	3	1	A:1	90
6	E038641	Nuclear Materials Marc Scibetta University of Liège	3	1	A:1	90
•	E038621	Nuclear Thermal Hydraulics Yann Bartosiewicz Université Catholique de Louvain	5	1	A:2	150
	E038601	Safety of Nuclear Power Plants Matthias Vanderhaegen Department of Electromechanical, Systems and Metal Engineering	5	1	A:2	150
2	Elective	Courses			9	credits
Sul	oscribe to 9	credit units from the following list. Subject to approval by the faculty.				
۱r	Course		CRDT	Ref MT1	Session	Study
	E038800	Advanced Nuclear Reactor Physics and Technology Hamid Aït Abderrahim Université Catholique de Louvain	3	1	A:2	90
	E038810	Advanced Nuclear Materials Marc Scibetta University of Liège	3	1	A:J	90
•	E038820	Advanced Radiation Protection/Radiation Ecology Klaus Bacher Department of Human Structure and Repair	3	1	A:2	90
	E038830	Advanced Courses on the Nuclear Fuel Cycle	3	1	A:2	81
,	E038840	Nuclear and Radiological Risk Governance Greet Maenhout Department of Electromechanical, Systems and Metal Engineering	3	1	A:J	81
		Advanced Course Elective Topic	3	1	A:J	88
	E038850	Peter Baeten Vrije Universiteit Brussel	_			
3					20	credits
S 3		Peter Baeten Vrije Universiteit Brussel	CRDT	Ref MT1	20 (Session	credits Study

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Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian de: German es: Spanish ja: Japanese pl: Polish sh: Kroatian/Serbian zh: Chinese

cs: Czech el: Greek fr: French nl: Dutch pt: Portuguese sl: Slovene da: Danish en: English it: Italian no: Norwegian ru: Russian sv: Swedish

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course in not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually c: annually, from 2027-2028 f: annually, from 2028-2029 i: annually, from 2029-2030 b: tri-annually d: bi-annually, from 2027-2028 g: bi-annually, from 2028-2029 j: bi-annually, from 2029-2030 b: tri-annually, from 2027-2028 h: tri-annually, from 2028-2029 k: tri-annually, from 2029-2030

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