



Master after Master in Nuclear Engineering



Register now for the BNEN programme!!

The Belgian Nuclear higher Education Network, BNEN, organizes a 60 ECTS master-after-master program in nuclear engineering.

The primary objective of the BNEN program is to **educate young engineers in nuclear engineering and its applications** and to develop and maintain high-level nuclear competences in Belgium and abroad.

BNEN catalyzes networking between academia, research centers, industry and other nuclear stakeholders. It is organized through a consortium of six Belgian universities and the Belgian Nuclear Research Centre.

Courses are in English and are ran in a modular way: teaching in blocks of one to three weeks for each module allows optimal time management for students and lecturers, facilitates participation for individual modules, and allows easy access for international students.

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	ECTS
Compulsory Modules	
31	
Introduction to nuclear energy	3
Introduction to nuclear physics and measurements	3
Nuclear materials	3
Nuclear fuel cycle	3
Radiation protection	3
Nuclear thermal hydraulics	5
Nuclear reactor theory	6
Safety of nuclear power plants	5
Elective Modules	
9	
Advanced nuclear reactor physics and technology	3
Advanced nuclear materials	3
Advanced radiation protection/radiation ecology	3
Advanced courses of the nuclear fuel cycle	3
Nuclear and radiological risk governance	3
Advanced course elective topic	3
Master thesis	20
Total	60

<http://bnen.sckcen.be>

