

**SYLLABUS**

**STUDY YEAR 2024/2025**

# **Master Programme in Green Networking and Cloud Computing**

## **Enrollment semester Autumn 2024**

DATE

**2022-10-06**

REFERENCE NO.

**LTU-3928-2022**

DECISION MAKER

**Dean of the Faculty of Engineering**

## Credits

120 credits

## Degree

- Degree of Master of Science (120 credits) - Major; Computer Science and Engineering with specialisation Green Networking and Cloud Computing

## Entry requirements

Academic degree of at least 180 higher education credits in Computer Science, Computer Engineering, Electrical / Electronics Engineering or Information Technology or a closely related area. A minimum of 22.5 credits in mathematics at university level is required.

Good knowledge in English, equivalent to English 6

## Selection

The selection procedure is based on academic qualifications, quality and quantity aspects

### Selection group

Academic: 100%

## Compulsory courses

### University of Lorraine 30 credits

Course code	Course	Cr	Level	Comment
	Green Networking (Second cycle)	4		
	Projects (Second cycle)	4		
	Systems Engineering (Second cycle)	4		
	Internet of Things (Second cycle)	4		
	International Seminars (Second cycle)	2		
	Enterprise Seminars (Second cycle)	2		
	French Culture and Language (First cycle)	2		
	Quality of Service and Quality in Sustainability (Second cycle)	4		
	Communication protocols (Second cycle)	4		

### Leeds Beckett University 30 credits

Course code	Course	Cr	Level	Comment
	Intelligent Systems and Robotics (Second cycle)	6		
	Seminars (Ssecond cycle)	2		
	Data Analytics and Visualisation (Avancerad nivå)	6		
	Professional & Cultural Learning (First cycle)	1		
	Research and Software Engineering Methodologies	1		
	Enterprise and Innovation (Second cycle)	1		
	Green ICT and Environment (Avancerad nivå)	6		
	Project Management (PRINCE II and DEVOPS) (Second cycle)	1		
	Eco-Engineering (Second cycle)	6		

### Luleå univeristy of technology 27 credits

Course code	Course	Cr	Level	Comment
D7001D	Network programming and distributed applications	7.5	Master's level	
D7030E	Advanced wireless networks	7.5	Master's level	
M7020E	Special Studies in Pervasive and Mobile Computing	3	Master's level	
M7021E	Seminar	1.5	Master's level	
M7024E	Cloud services	7.5	Master's level	

### compulsory course for national students 3 credits

Course code	Course	Cr	Level	Comment
W7001E	Project in Pervasive and Mobile Computing	3	Master's level	

**Or**

### compulsory course for international students 3 credits

Course code	Course	Cr	Level	Comment
S0046P	Swedish for International Students 1	3	Bachelor's level	

### Master Thesis project 30 credits

Course code	Course	Cr	Level	Comment
M7027E	Master Thesis in Green Networking and Cloud Computing	30	Master's level	

## Study schedule

**Year of study 2 Enrollment semester Autumn 2024, Is offered in 2025/2026, planned study schedule**

Study-period	Course code	Course	Cr	Comment
1	D7001D	Network programming and distributed applications	7.5	
1	D7030E	Advanced wireless networks	7.5	
1	S0046P	Swedish for International Students 1	3	
1	W7001E	Project in Pervasive and Mobile Computing	3	
2	M7020E	Special Studies in Pervasive and Mobile Computing	3	
2	M7021E	Seminar	1.5	
2	M7024E	Cloud services	7.5	
3-4	M7027E	Master Thesis in Green Networking and Cloud Computing	30	Entry requirements