Programme

Qualification awarded
Master of Science

Length of the programme
18 months

ECTS credits
90

Level of qualification
Master

Mode
Full-time

Language
English

School
Institute of Engineering

Locations
Groningen

Energy for Society

Profile of the programme

The E4S master's educates energy transition professionals at a strategic level. These strategic energy transition professionals form a new generation of change agents and policy entrepreneurs who are familiar with social dynamics, have aspirations for a better life, and can deal with the challenges of transforming the complex systems of energy production and consumption.

The E4S energy transition professionals are able to operate in both the commercial and non-profit sectors, and in both public and private institutions. They combines a social change agent dimension with an understanding of energy systems transformation, both of which are academically grounded. The E4S energy transition professional is not only idealistic about sustainability, but also has a pragmatic and adaptive perspective

The Master Energy for Society is an international 90 ECTS Master's programme. It is an 18-month English-language program with the following structure:

Semester 1: Investigating Energy Transition;
Semester 2: Making Energy Transition happen;
Semester 3: Graduation.

Learning outcomes

The Master Energy for Society equips its students with the required learning outcomes for an energy transition professional at a strategic level.

These energy professionals at a strategic level:

1. Mobilize change in evolving landscapes by navigating a diversity of interests, creating visions and solutions leading to innovative opportunities in existing and new networks and if needed challenge the status quo.
2. Co-develop energy transition strategies and support their implementation within multi-stakeholder contexts taking place in complex changing environments, leveraging relevant theoretical and practical knowledge.
3. Integrate the acquired interdisciplinary knowledge for handling the complexity of energy community development.
4. Make and evaluate judgments within the setting of energy transition and community development in the face of uncertainty.
5. Engage with stakeholders (specialist and non-specialist audiences) using communication styles appropriate to the context.
6. Independently conduct practice-oriented scientific research.
7. Study in a manner that may be largely self-directed or autonomous and take responsibility for their own personal learning process while actively engaging in communities of learners.

Programme

Energy for Society	**credits**
Investigating Energy Transition	30
ESVM21PSS - Politics for the Sustainable Society	*5*
ESVM21LASS - Legal Aspects for the Sustainable Society	*5*
ESVM20CB - Communication & Behaviour for the Sustainable Society	*5*
ESVM19ETS - Energy Technologies and Systems for the Sustainable Society	*5*
ESVM21ESS - Economy for the Sustainable Society	*5*
ESVM20SRM - Research Methodology	*5*
Making Energy Transition happen	30
ESVM24EFLA - E4S Energy Transition Field Lab: Analysis	*10*
ESVM24EFLD - E4S Energy Transition Field Lab: Intervention Design	*10*
ESVM24EFLI - E4S Energy Transition Field Lab: Implementation	*5*
ESVM24PDT - Professional Development Track 1	*5*
Graduation Programme	30
ESVM24PDT - Professional Development Track 1	*5*
ESVM25THE - Graduation Project	*25*

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