Exchange-programme

Qualification awarded
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Length of the programme
6 months

ECTS credits
30

Level of qualification
Bachelor

Mode
Full-time

Language
English

School
Institute of Engineering

Locations
Groningen

Exchange Sensors and Smart Systems (autumn)

Profile of the programme

This minor is offered in semester 1 (starting September)

Learning outcomes

Students will obtain comprehensive knowledge of sensor technologies, data processing, AI integration, mathematical foundations, and the Internet of Things, all in an intensive and practical format. It will include:

- Knowledge of sensor types and ensuring reliable data for making 'smart' decisions.
- Processing data at the source using embedded systems and integrating data from other systems via the Internet of Things.
- Using AI algorithms to analyse cloud-collected data, improving system decision-making.
- Acquiring mathematical skills essential for data analysis.

Programme

Exchange Sensors and Smart Systems (autumn)	**credits**
Sensors and Smart Systems	30
ELVB25AIN - Artificial Intelligence	*5*
ELVB25IOT - Internet of Things	*5*
ELVB25MSS - Mathematics for Smart Systems	*5*
ELVB25USD - Uncertainty in Sensor Data	*5*
ELVB25EMS - Embedded Systems	*5*
ELVB25ASA - Advanced Sensor Applications	*5*

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