Minor

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

Minor Industrial Automation

Profile of the programme

This minor is offered in semester 2, starting February
The minor Industrial Automation will show students the necessary steps involved in the process of automation and optimizing of both industrial environments as well as customized products. This includes analyzing the process, selecting the sensors to collect the essential data, modifying and transferring this data and selection and interaction with the applied actuators. To keep the topics actual, there will be a lot of interaction and collaboration with the industry within this minor

Learning outcomes

The scope of this programme is on analyzing and optimizing production facilities and processes. The topics covered in this minor will include:

- Industrial robots and automation.
- Actuator systems and sensor techniques.
- Computer Vision and Image Processing.
- Power Electronics.
- Applied Mechanics.
- Operation Management.

Programme

Minor Industrial Automation	**credits**
IBE	22
▯ ELVH19GPRIA - Project IA	*12*
▯ ELVH19GIRA - Industrial Robotics and Automation	*5*
▯ ELVH19GSAS - Sensors and Actuating Systems	*5*
Electives IA	8
selection of following courses	
▯ ELVH22GAM - Applied Mechanics	*5*
▯ ELVH18GCVIP - Computer Vision and Image Processing	*4*
▯ ELVH18GOM - Operation Management	*4*
▯ ELVH19GPE - Power Electronics	*4*

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