

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