Industrial Automation

Automation and optimizing is the key to be competitive. This applies for the production of standard and not-standard products in an industrial environment. But this also applies for customized autonomous solutions for all kind of problems.

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.

Course outline

Would you like to know which courses are part of this programme? Take a look at the ECTS course catalogue (please look at 'exchange programmes') for detailed information.

Language

English

Location

NB: The programme is offered in Assen, a town 30 km south of Groningen. However, not many exchange students live in Assen, and Hanze UAS doesn't offer student accommodation in Assen. If you want to live in Assen, you need to find a room yourself. If you want to be part of an international student community and make use of the many services / activities offered to students in Groningen, we would advise you to live in Groningen and commute between Groningen and Assen (20 minutes by train). In that case you will have to take into account travel costs: a return ticket Groningen – Assen by train costs app. € 12 / day.

Duration

One semester (30 ECTS credits).
Students who apply for this programme are expected to do the whole programme of 30 ECTS credits.

Course period

Spring semester (February - July)

Tuition fees

Exchange students
Exchange students (students from partner universities) don't need to pay tuition fees.

Certificate students
Costs for certificate students (students not from partner universities) can be found under hanze.nl/tuitionfees

Admission requirements

This minor is accessible for students Mechatronics, Electronics and Sensor Technology. Students need to have completed 120 ECTS credits (4 semesters) at undergraduate level.

Language requirements
Exchange students need to have a good level of English, comparable to IELTS 6.0, TOEFL 550 or CEFRL B2.

Certificate students need to give proof of English proficiency: IELTS 6.0 or TOEFL 550.

Maximum number of international students spring 2021 intake

For the spring 2021 semester, the number of exchange students that can be accepted to the Industrial Automation programme is 5.

Applicaton (deadline)

Application deadline
1 November (Spring Semester)
Students from Bangladesh, Pakistan and Nepal need to apply before 1 October

For more information regarding practical matters (application, housing, tuition fees), you can contact the International Service Desk.

Notes

Students are expected to apply for the whole programme of 30 ECTS. The outline for this programme can vary from week to week. The programme is intensive and students who apply for this programme are expected to be available and present for the duration of the programme.