# 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**
Assen

# Exchange Technology to Innovate (autumn)

**Profile of the programme**

This minor is offered in semester 1 (starting September)
Translating existing scientific possibilities into new technologies, products or businesses. In this programme you work, together with students from different disciplines, on new creative ideas in the field of product design and intelligent sensors. In a research environment you will design and create a new and useful service or product, or improve an existing concept. This programme is based in Assen, just south of Groningen.

**Learning outcomes**

In a large project you will work with students from different schools (multi-disciplinary) to form a project team. You will eventually realise the value of working with people with different specialities, while designing and creating a new and useful service or product. Depending upon your background, you will select some of the minor workshops, or make a proposal to follow other relevant lectures and practicals available at that time.

# Programme

| **Exchange Technology to Innovate (autumn)** | **credits** |
|---|---|
| Creative Design | 6 |
| ELVH16ACRE - Creativity | *1* |
| ELVH16ASUS - Sustainability | *1* |
| ELVH22DM - Design Methodology | *4* |
| TtC Project 1 | 14 |
| ELVH22TTI1 - TTI Project 1: definition and conceptual design | *4* |
| ELVH22TTI2 - TTI Project 2: development and testing | *10* |
| Electives | 10 |
| *selection of following courses* | |
| ELVH16ASTB - Sensor Technology Basics | *3* |
| ELVH17ARESS - Research Skills | *2* |
| ELVH18GAP - Anatomy and Physiology | *5* |
| ELVH20GHD - Human Dynamics | *5* |
| ELVH18GMI - Medical Instrumentation | *5* |
| ELVH18GERMD - Engineering rules for medical devices | *5* |
| ELVH20GIMD - Introduction Medical Diagnostics | *5* |
| ELVH22IAI - Artificial Intelligence | *5* |
| ELVH20AEMB - Embedded Systems | *5* |
| ELVH19ACTSP - Continuous Time Signal Processing | *4* |
| ELVH19ARE - Reliability Engineering | *3* |

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