

Programme

Qualification awarded

Bachelor of Science

Length of the programme

48 months

ECTS credits

240

Level of qualification

Bachelor

Mode

Part-time

Language

Dutch, with parts in English

School

School of Communication,
Media & IT

Locations

Groningen

Information & Communication Technology

Profile of the programme

Hanze UAS's HBO-ICT programme trains students to become ICT professionals capable of taking on a specialist role based on their solid grounding in ICT. These professionals can be rapidly and effectively deployed within the professional field. The curriculum is designed to ensure a balance between this solid grounding and ongoing development. We offer our students a solid basis of knowledge in combination with an inquisitive 8 mindset, ensuring that they have the desire and ability to keep up with the latest developments after graduation. In addition to expertise, the business community needs ICT professionals with a broad range of professional skills. In order to meet this need, the degree programme has added two activities to the HBO-ICT model: research and communication. The high degree of integration between devices, information systems and organisations necessitates professionals with a critical and inquisitive mindset and a focus on collaboration.

Learning outcomes

The HBO-ICT graduate is able to:

1. Analyse: Analysing processes, products and information flows as well as their interrelationships and environmental context.
2. Advise: Providing advice on the restructuring of processes and/or information flows and ICT systems to be developed or purchased in future on the basis of analysis and consultations with stakeholders.
3. Design: Designing an ICT system on the basis of specifications and predetermined frameworks.
4. Implement: Building an ICT system on the basis of design specifications and predetermined frameworks.
5. Manage & Control: Managing all activities associated with the process of development, implementation and use of ICT systems.
6. Communicate: Communicating, both in writing and orally, in a clear, convincing, effective, and target-group oriented manner.
7. Research: Substantiating the development of his/her ICT professional product for application in a specified context, by means of applied research in which data are collected and analysed systematically and methodically.

Programme

Information & Communication Technology	credits
Year 1	60
□ Programming	30
▫ ITDP22PGM1 - Programming I	5
▫ ITDP21DBS - Databases	5
▫ ITDP21PGM2 - Programming II	5
▫ ITDP21WEB - Web Technologies	5
▫ ITDP21WPL1 - Training on the Job I	10
□ Business IT	30
▫ ITDP22BDK - Business Administration	5
▫ ITDP21ITSM - IT Service Management	5
▫ ITDP22RAN - Requirements Analysis	5
▫ ITDP21BPM - Business Process Management	5
▫ ITDP21WPL2 - Training on the Job II	10
Year 2	60
□ Networking	30
▫ ITDB22CAR - Computer Architecture	5
▫ ITDB22INF - Infrastructure	5
▫ ITDB22PSK - Professional Skills (English)	5
▫ ITDB22SCY - Security	5
▫ ITDB22WPL3 - Training on the Job 3	10
□ Data Analysis	30
▫ ITDB22DAV - Data Visualisatie	5
▫ ITDB22STA - Statistics for Data Science	5
▫ ITDB22DAM - Data Mining	5
▫ ITDB22ORD - Organisational Design & Innovation	5
▫ ITDB22WPL4 - Training on the Job 4	10
Year 3	60
□ Full Stack Development	30

▫ ITDB22OOP1 - Object-oriented Programming I	5
▫ ITDB22OOP2 - Object-oriented Programming II	5
▫ ITDB22WEB2 - Web Technologies II	5
▫ ITDB22WEB3 - Web Technologies III	5
▫ ITDB22WPL5 - Training on the Job 5	10
▫ Electives <i>electives</i>	30
Year 4	60
▫ Electives <i>electives</i>	30
▫ Graduation Project	30
▫ ITDB17ASO - Graduation Project	30

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