Hanze

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
Engineering, Life Sciences & ICT

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*
ITDP23DBS - Databases	*5*
ITDP23PGM2 - Programming II	*5*
ITDP21WEB - Web Technologies	*5*
ITDP21WPL1 - Training on the Job / Professional Skills 1	*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 / Professional Skills 2	*10*
Year 2	60
Networking	*30*
ITDB22CAR - Computer Architecture	*5*
ITDB22INF - Infrastructure	*5*
ITDB23ICER - IC, Ethics & Research (English)	*5*
ITDB22SCY - Security	*5*
ITDB22WPL3 - Training on the Job / Professional Skills 3	*10*
Data Analysis	*30*
ITDB22DAV - Data Visualisation	*5*
ITDB22STA - Statistics for Data Science	*5*
ITDB22DAM - Data Mining	*5*
ITDB22ORD - Organisational Design & Innovation and Research	*5*
ITDB22WPL4 - Training on the Job / Professional Skills 4	*10*
Year 3	60
ICT related Electives	*30*

electives	
ICT related Electives	*30*
electives	
Year 4	60
Electives	*30*
electives	
Graduation Project	*30*
ITDB17ASO - Graduation Project	*30*

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