Programme

Information & Communication Technology

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

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
ITSM & Security	*30*
ITDP18ITS - IT Service Management	*6*
ITDP18SCY - Security	*6*
ITDP18OND2 - Research	*4*
ITDP18PRM2 - Project Management	*2*
ITDP18COMI - Communication Module ITSM & Security	*2*
ITDP18WPL3 - Training on the Job 1.1	*9*
ITDP18LOP3 - Career Guidance Professionals 1.1	*1*
IT Architecturen	*30*
ITDP18ARCH1 - Architectures	*2*
ITDP18ITI1 - IT Infrastructures	*3*
ITDP18WIS - Mathemetics	*2*
ITDP18ENG - Communication/English	*2*
ITDP18EA - Enterprise Architectures	*6*
ITDP19BPM - Business Process Management	*5*
ITDP18WPL4 - Training on the Job 1.2	*9*
ITDP18LOP4 - Career Guidance Professionals 1.2	*1*
Year 2	60
Business Analysis	*30*
ITDB19BDK - Business Administration	*4*
ITDB16ANA - Analysis	*4*
ITDB16INF - Information Visualisation	*3*
ITDB16STA - Statistics	*3*
ITDB16COM1 - Communication	*2*
ITDB17RES1 - Research Skills 1	*4*
ITDB19WPL1 - Training on the Job 2.1	*9*
ITDB19LOP1 - Career Guidance Professionals 1	*1*
Design & Build	*30*

◻ ITDB16OOP - Object Oriented Programming	*7*
◻ ITDB17DBS - Databases	*2*
◻ ITDB16WEB - Web Programming	*7*
◻ ITDB16PRM - Project Management	*2*
◻ ITDB16COM2 - Communication 2	*2*
◻ ITDB19WPL2 - Training on the Job 2.2	*9*
◻ ITDB19LOP2 - Career Guidance Professionals 2	*1*
Year 3	**60**
▢ Product Life Cycle	*30*
◻ ITDB16PLC1 - Web Services & Design	*4*
◻ ITDB16PLC2 - Web & Mobile Frontend	*4*
◻ ITDB16PLC3 - Requirements	*2*
◻ ITDB16PLC4 - Project Management 3	*2*
◻ ITDB16PLC5 - Software Quality	*4*
◻ ITDB16PLC6 - International Corporate Communication	*2*
◻ ITDB16PLC7 - Innovation	*2*
◻ ITDB16ITP - IT Process Management	*3*
◻ ITDB16VMNT - Change Management	*2*
◻ ITDB17WPL5 - Training on the Job 3.1	*4*
◻ ITDB17LOP5 - Career Guidance Professionals 3.1	*1*
▢ Business Intelligence	*30*
◻ ITDB16BIN1 - Data Modelling and Data Quality	*4*
◻ ITDB16BIN2 - Business Intelligence	*2*
◻ ITDB16BIN3 - Hadoop / NoSQL 1	*2*
◻ ITDB16BIN4 - Data Analysis and Statistics	*4*
◻ ITDB17BIN6 - Practical Research and Reporting	*4*
◻ ITDB18BIN8 - Project Business Intelligence	*4*
◻ ITDB16FINA - Financial Accounting	*2*
◻ ITDB16LAW - Law	*3*
◻ ITDB17WPL6 - Training on the Job 3.2	*4*
◻ ITDB17LOP6 - Career Guidance Professionals 3.2	*1*
Year 4	**60**
▢ Electives	*30*
electives	
▢ Graduation Project	*30*
◻ ITDB17ASO - Graduation Project	*30*