

## 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
□ 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
▫ ITDP18IT11 - IT Infrastructures	3
▫ ITDP18WIS - Mathematics	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
<b>Year 3</b>	<b>60</b>
▫ <b>Product Life Cycle</b>	<b>30</b>
▫ 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
▫ <b>Business Intelligence</b>	<b>30</b>
▫ 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
<b>Year 4</b>	<b>60</b>
▫ <b>Electives</b>	<b>30</b>
<i>electives</i>	
▫ <b>Graduation Project</b>	<b>30</b>
▫ ITDB17ASO - Graduation Project	30

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