Hanze

Information & Communication Technololgy, Major SE

Programme	EC
Year 1 Major SE	60
Introduction ICT I	*15*
ITVP22PGM1 - Programming I	*5*
ITVP23DBS - Databases	*5*
ITVP22BDK - Business Administration	*5*
Introduction ICT II	*15*
ITVP23PGM2 - Programming II	*5*
ITVP20INF - Infrastructures and Security	*5*
ITVP23RAN - Requirements Analysis	*5*
Internet of Things I	*15*
ITVP23WIS - Discrete Mathematics	*5*
ITVP20WEB - Web Technologies	*5*
ITVP23IOT1 - Project Internet of Things I	*5*
Internet of Things II	*15*
ITVP22SCY - Software Security	*5*
ITVP23CAR - Computer Architectures	*5*
ITVP23IOT2 - Project Internet of Things II	*5*
Year 2 Major SE	60
Intelligent Systems I	*15*
ITVB21ALG1 - Algorithmics I	*5*
ITVB21OOP1 - Object-oriënted Programming I	*5*
ITVB22ISY1 - Project Intelligent Systems I	*5*
Intelligent Systems II	*15*
ITVB23ALG2 - Algorithmics II	*5*
ITVB21OOP2 - Object-oriënted Programming II	*5*
ITVB25ISY2 - Project Intelligent Systems II	*5*
Web Applications I	*15*
ITVB21WEB2 - Web Technologies II	*5*
ITVB21DBS2 - Databases II	*5*
ITVB21WAP1 - Project Web Applications I	*5*
Web Applications II	*15*
ITVB21WEB3 - Web Technologies III	*5*
ITVB23OWS - Development Pipelines	*5*
ITVB22WAP2 - Project Web Applications II	*5*
Year 3 Major SE	60
Electives	*30*
electives	
Working on Professional Products	*30*
ITVB25WBPSE1 - WPP: Developing a new Fullstack application	*30*
Year 4 Major SE	60
Software Engineering I	*15*
Software Engineering I - Mandatory courses	*10*
ITVB23SWA - Software Architecture	*5*
ITVB24REE - Law and Ethics	*5*
Software Engineering I - Elective	*5*
selection of following courses	
ITVB23KMO1 - Application Security	*5*
ITVB23KMO2 - Machine Learning	*5*
ITVB23KMO3 - Free Assignment - Elective Module year 4	*5*
Software Engineering II	*15*
Software Engineering II - Mandatory courses	*10*
ITVB23OWS - Development Pipelines	*5*
ITVB23SSU - Software Startup	*5*
Software Engineering II - Elective	*5*
selection of following courses	
ITVB23KMO4 - Capita selecta Artificial Intelligence	*5*
ITVB23KMO5 - Mobile App Development	*5*
ITVB23KMO6 - Free Assignment - Elective Module year 4	*5*
Graduation Project	*30*
one of following courses	

- Graduation Project *30*
  - ITVB18ASO - Graduation Project *30*
- Graduation Project Abroad *30*
  - ITVB18ASOB - Graduation Project Abroad *30*

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