

Information & Communication Technology, 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-oriented Programming I	5
▫ ITVB22ISY1 - Project Intelligent Systems I	5
□ Intelligent Systems II	15
▫ ITVB23ALG2 - Algorithmics II	5
▫ ITVB21OOP2 - Object-oriented Programming II	5
▫ ITVB22ISY2 - 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
<i>electives</i>	
□ Internship	30
<i>one of following courses</i>	
□ Internship	30
▫ ITVB23STG - Internship	30
□ Internship Abroad	30
▫ ITVB23STB - Internship Abroad	30
□ Software Engineering I	15
□ Software Engineering I - Mandatory courses	10
▫ ITVB23SWA - Software Architecture	5
▫ ITVB23REE - Law and Ethics	5
□ Software Engineering I - Elective	5
<i>selection of following courses</i>	
▫ 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
<i>selection of following courses</i>	
▫ ITVB23KMO4 - Capita selecta Artificial Intelligence	5

▫ ITVB23KMO5 - Mobile App Development	5
▫ ITVB23KMO6 - Free Assignment - Elective Module year 4	5
▫ Graduation Project	30
<i>one of following courses</i>	
▫ Graduation Project	30
▫ ITVB18ASO - Graduation Project	30
▫ Graduation Project Abroad	30
▫ ITVB18ASOB - Graduation Project Abroad	30

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