Curriculum Study Program Informatics (*as of September 2017*)

Code	Module	Cre-dits		Code	Module	Cre-dits
Semester 1: Introduction to Software Development						
PRC1	Programming Concepts 1 (Java)	5		BAS	Basic Skills (Maths, Engels)	5
DBS1	Databases	5		PRJ1	Project 1: Web Application	10
BIT	Business in IT	5				
Semester 2: The Software Development Process						
PRC2	Programming Concepts 2 (Java)	5		CSA1	Computer Basics & Security	5
AAD	Analysis and Design	5		PRJ2	Project 2: Business Application	10
DVP	Development Processes	5				
Semester 3: Software Structures						
DASC1	Data Science (Data analytics)	5		DARC	Design and Architecture	5
ALDA	Algorithms & Data Structures	5		PRJ3	Project 3: Reactive System	10
SEAR	Security & Applied Research	5				
Semester 4: Specialization Semester						
Specialization "Advanced Software Concepts"				*Specialization "Business Informatics"*		
OSCO	Operating Systems	5		BUPR	Business Processes	5
UNPL	Unmanaged Languages	5		BUIN	Business Intelligence	5
PPAR	Programming Paradigms	5		ACCO	Accounting	5
DBS2	Advanced Database Concepts	5		DATW	Data Warehouses	5
PRJ4	Project 4: App in the Cloud	10		PRJ4	Project 4: App in the Cloud	10
Semester 5 + 6						
STG1	Internship					30
MINOR	Minor (Minor abroad, Minor Smart Innovation, 2nd Specialization, ..)					30
Semester 7						
SOFA	Software Factory	15		Choice of 2 electives from e.g.:		
PRS	Professional Skills: Communication Psychology and Ethics	5		ESD: Enterprise Software Development		5
				PIOT: Programming for Internet of Things		5
				DASC2: Data Science 2 (ML, NN, ..)		5
				PMAN: Project Management		5
				(*List subject to change for actualization*)		
Semester 8						
STG2	Bachelor Thesis Project					30