

	Third year (3B): IT Core Curriculum			
	Course Unit	Module	ECTS	Workload
	Modular Programming and project	Algorithms and data structures	8	63
		C Programming Project		21
	Microcontroller Architecture	Microcontroller Architecture	4	42
	Electronics 1	Electronics P	5	63.0
	IP Networking and Communication	Networks and TCP/IP Protocols	3	42
		Communication methods and technologies	4	42
	Estimation Techniques for engineers	Estimation Techniques for engineers	3	42
	English For Engineers	English For Engineers	3	42
	Web technologies 1	Web technologies 1	2	21.0
	Database Management Sytem	Database Management System	5	63
	Object-oriented Programming and Modeling	Unified Modeling Language (UML)	6	39
		Object-oriented design and Java Programming		39
	Numerical Methods for Engineers	Numerical Methods for Engineers	3	39
		Scientific Computing	2	21
	Basic Systems	Operating system Administration and Security: Unix	4	42
	Business Management	Financial Analysis	3	21
		Business Environment		21
	Communication, Culture and Citizenship F3	Communication, Culture and Citizenship F3	3	42
	Worker Intership	Worker Intership	2	
		Total	60	705