

Curriculum

Computer Science Engineering BSc																														
Subject code	Subject	Credit	Exam type	Semesters														Pre subject												
				1		2		3		4		5		6		7														
				Le	P	Le	P	Le	P	Le	P	Le	P	Le	P	Le	P													
DUEN-ISF-111	Introduction to programming	5	MM	1	0	2																								
DUEN-ISR-118	Computer and Network Architectures	5	MM	2	0	1																								
DUEN-MUT-151	Engineering Physics	5	E	1	1	1																								
DUEN-TKM-150	Legal Knowledge	5	E	3	0	0																								
DUEN-IMA-152	Engineering Mathematics I. (Linear algebra and calculus)	5	E	0	3	0																								
DUEN-IMA-153	Basics of Computer Sciences 1.	5	MM	1	0	2																								
DUEN-ISF-213	Programming 1.	5	MM			1	0	2											DUEN-ISF-111											
DUEN-ISR-257	Windows Operating System	5	E			1	0	2																						
DUEN-ISF-210	Database systems	5	E			1	0	2																						
DUEN-ISF-010	Informatics	5	MM			0	0	3																						
DUEN-IMA-212	Engineering Mathematics 2	5	MM			0	0	3											DUEN-IMA-152											
DUEN-IMA-213	Basics of Computer Sciences 2.	5	MM			2	0	1											DUEN-IMA-153											
DUEN-ISF-113	Programming 2.	5	MM					1	0	2									DUEN-ISF-213											
DUEN-ISR-159	Linux Operating System	5	E					1	0	2																				
DUEN-ISF-112	Internet technologies	5	MM					0	0	3																				
DUEN-ISR-119	Electronic and digital systems	5	MM					1	0	2									DUEN-MUT-151											
DUEN-IMA-110	Mathematics 3.	5	MM					0	3	0									DUEN-IMA-152											
DUEN-TKT-151	Economics 1.	5	E					1	2	0																				
DUEN-ISR-258	Computer network management 1.	5	MM						2	0	1								DUEN-ISR-118											
DUEN-ISF-250	Basics of intelligent systems	5	MM						2	0	1								DUEN-ISF-111											
DUEN-ISR-250	Information Security	5	MM						2	0	0								DUEN-ISR-118, DUEN-IMA-153											
DUEN-ISR-215	Embedded Systems	5	MM						1	0	2								DUEN-ISR-119											
--	Elective course	5	0						1	1	1																			
--	Elective course	5	0						1	1	1																			
DUEN-TVV-122	Entrepreneurship	5	MM								1	2	0																	
DUEN-TKM-120	Multimedia	5	MM								2	0	2																	
DUEN-TVV-114	Management	5	MM								1	2	0																	
	Knowledge to start working																													
	Specialization	15																												
DUEN-ISR-157	Measurement and control	5	E									2	0	1					DUEN-IMA-110											
DUEN-IMA-251	Numerical methods	5	MM									2	0	1					DUEN-IMA-110											
	Specialization	15																												
--	Elective course	5	0									1	1	1																
DUEN-ISF-090	Thesis 1. - Methodology	0	NG									1	0	0																
	Specialization	10																												
--	Elective course	5	0													1	1	1												
DUEN-ISF-094	Thesis 2.	15	NG													0	9	0	DUEN-ISF-090											
DUEN-ISF-097	Professional practice	0	NG													0	0	0												
	Week Lecture, Practice, Lab, Credit			8	4	6	5	0	13	4	5	9	8	2	7	4	4	2	6	1	3	1	10	1						
	Week total			18	18	18	18	18	17	17	10	10	12																	
	Credit total			210																										
COMPUTER NETWORK ENGINEERING SPECIALIZATION												3	0	6	3	0	6	1	0	4										
				18	18	18	18	17	17	19	19	17																		
SOFTWARE TECHNOLOGY SPECIALIZATION												3	0	6	2	0	7	1	0	4										
				18	18	18	17	19	19	17																				

E: exam, MM: midterm mark, NG: no grade

SPECIALIZATION

COMPUTER NETWORK ENGINEERING																														
Subject code	Subject	Credit	Exam type	Semesters														Pre subject												
				1		2		3		4		5		6		7														
				Le	P	Le	P	Le	P	Le	P	Le	P	Le	P	Le	P													
DUEN-ISR-120	Computer network management 2.	5	E								1	0	2							DUEN-ISR-258										
DUEN-ISR-121	Network Operating Systems – Windows	5	MM								1	0	2							DUEN-ISR-257										
DUEN-ISR-116	Script languages	5	MM								1	0	2							DUEN-ISF-111										
DUEN-ISR-214	Network Operating Systems – Linux	5	MM									1	0	2						DUEN-ISR-159										
DUEN-ISF-217	IT project 1.	5	MM									1	0	2																
DUEN-IMA-214	Operational research and decision theory	5	MM									1	0	2						DUEN-IMA-152 or DUEN-IMA-151										
DUEN-ISF-116	IT project 2.	5	MM													0	0	2		DUEN-ISF-217, DUEN-ISF-213, DUEN-ISF-210										
DUEN-ISR-155	Quality and auditing of IT systems	5	E													1	0	2												
	Week Lecture, Practice, Lab, Credit			0	0	0	0	0	0	0	0	0	0	0	3	0	6	3	0	6	1	0	4							
	Week total			0	0	0	0	0	0	0	0	9	9	5																
	Credit total:			40																										
SOFTWARE TECHNOLOGY																														
DUEN-ISF-117	Software Development Technologies	5	MM								1	0	2							DUEN-ISF-113										
DUEN-ISF-155	Programming 3.	5	MM								1	0	2							DUEN-ISF-213										
DUEN-ISR-116	Script languages	5	MM								1	0	2							DUEN-ISF-111										
DUEN-ISF-253	Web programming	5	E									0	0	3						DUEN-ISF-112										
DUEN-ISF-217	IT project 1.	5	MM									1	0	2																
DUEN-IMA-214	Operational research and decision theory	5	MM									1	0	2						DUEN-IMA-152 or DUEN-IMA-151										
DUEN-ISF-116	IT project 2.	5	MM													0	0	2		DUEN-ISF-217, DUEN-ISF-213, DUEN-ISF-210										
DUEN-ISR-155	Quality and auditing of IT systems	5	E													1	0	2												
	Week Lecture, Practice, Lab, Credit			0	0	0	0	0	0	0	0	0	0	3	0	6	2	0	7	1	0	4								
	Week total			0	0	0	0	0	0	0	9	9	5																	
	Credit total:			40																										

E: exam, MM: midterm mark, NG: no grade