

MSc “Internetworked Electronic Systems” - CURRICULUM

Semester A (FALL)

Course nr.	Course Title	Course Type (M = Mandatory, E = Elective)	Hours/Week	ECTS
A1	Advanced Communications	M	6	9
A2	Computing and Programming Techniques	M	6	9
A3	Electronic Design and Hardware Architectures	M	6	9
A4	Electromagnetic Compatibility, Safety and Quality	M	2	3
Semester A Total			20	30

Semester B (SPRING)⁽¹⁾

Course nr.	Course Title	Course Type (M = Mandatory, E = Elective)	Hours/Week	ECTS
B1	Audio, Video and Broadcasting Technology	E	6	9
B2	Embedded Systems – Real Time Software	E	6	9
B3	Mobile – Pervasive Computing and Applications	E	6	9
B4	Wireless and Optical Communications	E	6	9
B5	RF Electronics and Antennas	E	6	9
B6	Sensors and Micro-nets (BAN, PAN, LAN)	E	6	9
B7	Technology and Society	M	2	3
Semester B Total			20	30

Semester C (FALL)⁽²⁾

Course nr.	Course Title	Course Type (M = Mandatory, E = Elective)	Hours/Week	ECTS
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C1	Green and Energy-aware Electronic Systems	E	4	6
C2	Electric Power Management and Smart Grids	E	4	6
C3	Integrated Systems Design	M	4	6
C4	M.Sc. Thesis	M	12	18
	Semester C Total		20	30

(1) Students select 3 out of the 6 Electives offered (B.1 – B.6).

(2) Students select 1 out of the 2 Electives offered (C.1 – C.2). Module C.3 is a team project.