Computer science - Year 5 — SEMESTER 9

Scientific modules

Code UE = I5SSSC11 / Responsable UE = D. DRAGOMIRESCU

UE	Code EC	Name EC	Component Code	Component Name	Total hours	Lecture hours	Tutorial (TD) hours	Lab (TP) hours	Evaluation	Course language	ECTS Credits
	I5SSSD11	Smart Devices	I5SSSD11_01	Microcontrollers and Open-Source Hardware, Embedded IA (M&OSH)	25	1,25	23,75		Portfolio	EN	2
			I5SSSD11_02	CAD, manufacturing and integration of nano-technology sensors (AIME)	13,75			13,75	Portfolio	EN	1
			I5SSSD11_03	Sensors introduction	11,25	8,75	2,5		Portfolio	EN	1
			I5SSSD11_04	Analog electronic labs	2,75			2,75	Portfolio	EN	0
	I5SSWN11	Wireless Sensors Network	I5SSWN11_01	Wireless Sensors Network	18,25	10		8,25	Portfolio	EN	1
	I5SSIA11	Embedded IA for IoT	I5SSIA11_01	Embedded IA for IoT	15,75	7,5		8,25	Portfolio	EN	1
	I5SSSE11	Security for IoT	I5SSSE11_01	Security for connected objects	34,5	12,5		22	Portfolio	EN	2
	I5SSEC11	Energy for connected objects	I5SSEC11_01	Energy for connected objects (recovery, transfert)	10,5	5		5,5	Portfolio	EN	1
	I5SSIP11	Innovative Project 1	I5SSIP11_01	Innovative Project	19,25			19,25	Portfolio	EN	2
	I5SSPO11	Portfolio 1	I5SSPO11_01	Portfolio	4		1,25	2,75	Portfolio	EN	1
					155	45	27,5	82,5			12

Code UE = I5SSSI11 / Responsable UE = T. MONTEIL

UE	Code EC	Name EC	Component Code	Component Name	Total hours	Lecture hours	Tutorial (TD) hours	Lab (TP) hours	Evaluation	Course language	ECTS Credits
	I5SSWC12	Wireless Communications	I5SSWC12_01	Communication protocols for LP-WPAN	7,5	3,75	3,75		Portfolio	EN	1
			I5SSWC12_02	Emerging network (SDN, NGN)	10,5	5		5,5	Portfolio	EN	1
	I5SSFG12	5G Technologies	I5SSFG12_01	5G Technologies	7,5	7,5			Portfolio	EN	1
	I5SSMS12	Middleware and Services	I5SSMS12_01	Service architecture	31	7,5	12,5	11	Portfolio	EN	2
			I5SSMS12_02	Software engineering	2,5		2,5		Portfolio	EN	0
			I5SSMS12_03	Middleware for Internet of Things	14,75	3,75		11	Portfolio	EN	1
			I5SSMS12_04	Cloud and Edge computing	21,5	5		16,5	Portfolio	EN	2
	I5SSIP12	Innovative Project 2	I5SSIP12_01	Innovative project	19,25			19,25	Portfolio	EN	2
	I5SSPO12	Portfolio 2	I5SSPO12_01	Portfolio	2,75			2,75	Portfolio	EN	1
	I5SSEN12	English	I5SSEN12_01	English	30		30		Portfolio	EN	1
					147,25	32,5	48,75	66			12

Humanités

UE	Code EC	Name EC	Component Code	Component Name	Total hours	Lecture hours	Tutorial (TD) hours	Lab (TP) hours	Evaluation	Course language	ECTS Credits
I5DHUM11 / à déterminer	I5CCGE21	Relations humaines et professionnelles, Ethique	I5DHUMME11	Management d'équipe	17,5	17,5					6
			I5DHUMPSE11	Psychologie sociale et éthique	17,5		17,5				
			I5DHUMAPS11	APS	21,5		21,5				
			I5DHUMPPI11	PPI	8		8				
			I5DHUMEGAEA11	EGA/EA							
			I5DHUMART11	ART							