

**II – Semi-annual teaching organisation sheet
of the Computer Systems License (SI)**

Common Base Mathematics, Applied Mathematics and Computer Science

Semester : 1

Teaching Unit	SHV	V.H weekly				Coeff	Credits	Evaluation mode	
	14 wk	C	Tuto	Lab	Personal work			Continual	Examination
EU Fundamentals									
UEF11(O/P)		4h30	4h30		6 h.	7	11		
UEF111 : Analysis 1	84h	3h00	3h00		3h	4	6	40%	60%
UEF112 : Algebra 1	42h	1h30	1h30		3h	3	5	40%	60%
UEF12(O/P)		4h30	3h	3h	6 h.	7	11		
UEF121 : Algorithmics and Data Structure 1	105h	3h00	1h30	3h	3h	4	6	40%	60%
UEF122 : Machine structure 1	42h	1h30	1h30		3h	3	5	40%	60%
EU Methodology									
UEM11(O/P)		3h			4 h	2	4		
UEM111 : Scientific Terminology and Expression written	21hrs	1h30			2 hrs	1	2		100%
UEM112 : Foreign Language 1	21hrs	1h30			2 hrs	1	2		100%
EU Discovery									
UED11(O/P)		1h30	1h30		2 hrs	2	4		
UED111 : Choose a Material from : -Physics 1 (point mechanics) -Electronics and system components	42h	1h30	1h30		2 hrs	2	4	40%	60%
Total Semester 1	357h	13h30	9h	3h	18h	18	30		

Common Base Mathematics, Applied Mathematics and Computer Science

Semester 2

Teaching Unit	SHV	V.H weekly				Coeff	Credits	Evaluation mode	
	14 wk	C	Tuto	Lab	Work Personal			Continual	Examination
EU Fundamentals									
UEF21(O/P)		4h30	3h		6 h.	6	10		
UEF211 : Analysis 2	63h	3h00	1h30		3h	4	6	40%	60%
UEF212 : Algebra 2	42h	1h30	1h30		3h	2	4	40%	60%
UEF22(O/P)		3h	3h	1h30	6 h.	6	10		
UEF221 : Algorithmics and Data Structure 2	63h	1h30	1h30	1h30	3h	4	6	40%	60%
UEF222 : Machine structure 2	42h	1h30	1h30		3h	2	4	40%	60%
EU Methodology									
UEM21(O/P)		4h30	1h30	1h30	6 h.	4	7		
UEM211 : Introduction to Probability and descriptive statistics	42h	1h30	1h30		2 hrs	2	3	40%	60%
UEM212 : Information and Communication Technology Communication	21hrs	1h30			2 hrs	1	2		100%
UEM213 : Programming tools for mathematics	42h	1h30		1h30	2 hrs	1	2	40%	60%
EU Transversal									
UET21(O/P)		1h30	1h30		2 hrs	2	3		
UET211 : Physics 2 (general electricity)	42h	1h30	1h30		2 hrs	2	3	40%	60%
Total Semester 2	357h	13h30	9h	3h	20H	18	30		

Semester 3: Common Core in Computer Science

Teaching Unit	SHV	V.H weekly				Coeff	Credits	Evaluation mode	
	14 wk	C	Tuto	Lab	Personal work			Continual	Examination
EU Fundamentals									
UEF31(O/P)		4h30	3h	3h00	6h00	6	11		
UEF311: Computer Architecture	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF312 : Algorithms and structure of data 3	84h	3h00	1h30	1h30	3h00	3	6	40%	60%
UEF2(O/P)		3h00	3h00	1h30	6h00	5	9		
UEF321: Information Systems	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF322: Graph Theory	42h	1h30	1h30		3h00	2	4	40%	60%
EU Methodology									
UEM31 (O/P)		3h	1h30	1h30	03h00	4	8		
UEM311 : Digital Methods	42h	1h30		1h30	1h30	2	4	40%	60%
UEM312 : Mathematical Logic	42h	1h30	1h30		1h30	2	4	40%	60%
Transversal Unit									
UET31(O/P)		1h30			2h00	1	2		
UET311 : Foreign Language 2	21hrs	1h30			2h00	1	2		100%
Total Semester 3	357h	12h	7h30	6 h.	17h00	16	30		

Semester 3: Common

Core in Computer Science

Teaching Unit	SHV	V.H weekly				Coeff	Credits	Evaluation mode	
	14 wk	C	Tuto	Lab	Personal work			Continual	Examination
EU Fundamentals									
UEF41(O/P)		3h	3h	3h	6 h.	5	10		
UEF411 : Language theory	63h	1h30	1h30	1h30	3h00	2	5	40%	60%
UEF412 : Operating System 1	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF42(O/P)		3h	3h	3h	6 h.	6	10		
UEF421 : Databases	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF422 : Networks	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
EU Methodology									
UEM41 (O/P)		3h		3h	3h	4	8		
UEM411 : Oriented programming Object	42h	1h30		1h30	1h30	2	4	40%	60%
UEM412 : Development of Web Applications	42h	1h30		1h30	1h30	2	4	40%	60%
Transversal Unit									
UET41 (O/P)		1h30			2 hrs	1	2		
UET411 : Foreign Language 3	21hrs	1h30			2h00	1	2		100%
Total Semester 4	357h	10h30	6 h.	9h	5 pm	16	30		

Semester 5 : IS Track

Teaching Unit	SHV	V.H weekly				Coeff	Credits	Evaluation mode	
	14 wk	C	Tuto	Lab	Personal work			Continual	Examination
EU Fundamentals									
UEF51(O/P)		3h	3h	3h	6 h.	6	10		
UEF511 : Operating System 2	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF512 : Compilation	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF52(O/P)		3h	3h	3h	7h30	6	10		
UEF521 : Software Engineering	63h	1h30	1h30	1h30	3h00	3	5	40%	60%
UEF522 : Human Machine Interface	63h	1h30	1h30	1h30	4h30	3	5	40%	60%
EU Methodology									
UEM51 (O/P)		3h	3h		6 h.	4	8		
UEM511 : Linear Programming	42h	1h30	1h30		3h00	2	4	40%	60%
EMU512 : Probability and Statistics	42h	1h30	1h30		3h00	2	4	40%	60%
Transversal Unit									
UET51 (O/P)			1h30		2 hrs	1	2		
UET511 : Digital economy and strategic intelligence	21hrs		1h30		2h00	1	2	100%	
Total per semester	357h	9h00	10h30	6h00	9:30 pm	17	30		

Semester 6 : SI course

Teaching Unit	SHV	V.H weekly				Coeff	Credits	Evaluation mode	
	14 wk	C	Tuto	Lab	Personal work			Continual	Examination
EU Fundamentals									
UEF61 (O/P)		3h	1h30	1h30	6 h.	6	10		
UEF611 : Mobile Applications	42h	1h30		1h30	3h00	3	5	40%	60%
UEF612 : IT security	42h	1h30	1h30		3h00	3	5	40%	60%
EU Fundamentals									
UEF62 (O/P)		3h		3h	6 h.	6	10		
UEF621 : Artificial Intelligence	42h	1h30		1h30	3h00	3	5	40%	60%
UEF622 : Semi-structured data	42h	1h30		1h30	3h00	3	5	40%	60%
Methodology Unit									
UEM61 (O/P)			1h30		13h	4	8		
UEM611 : Project					10h00	3	6		100%
UEM612 : Scientific Writing	21hrs		1h30		3h00	1	2	100%	
Transversal Unit									
UET61 (O/P)		1h30			3h	1	2		
UET611 : Create and develop a startup	21hrs	1h30			3h00	1	2		100%
Total Semester 6	210h	7h30	3h	4h30	28h	17	30		

Overall summary of the training : (indicate the separate overall VH in progress, Tuto, Lab... for the 06 teaching semesters, for different types of TU)

TU VH	UEF	UEM	UED	UET	Total
Course	588h	231h	21hrs	84h	924h
Tuto	462h	105h	21hrs	42h	YCM8-630H
Lab	357h	84h			441h
Personal work	1029h	476h	28h	154h	1687h
Other (Specify):					
Total	2436h	896h	70h	280h	3682h
Credits	122	43	4	11	180
% in credits for each TU	67,77%	23.88%	2 22	6.11%	100%