

Medicine/Big Data.

	Unité	Courses	Crédit	Coeff	Cours	TD	TP	Evaluation		Mode d'enseignement		
								Exam	Cont	Mode	EAD (%)	Présentiel (%)
Semster 1	F	Programming 1	6	4	3H		1.5H	60%	40%	P		100
		Databases 1	6	4	3H	1.5H		60%	40%	H	70	30
	M	Probabilities and Statistics 1(*)	5	3	1.5H		1.5H	60%	40%	P		100
		Mathematics 1	5	3	1.5H		1.5H	60%	40%	H	70	30
	D	Machine Architecture	4	2	1.5H			60%	40%	H	70	30
	T	Health, society and humanity(*)	2	1	1.5H			100%		H	70	30
English Communication I		2	1	1.5H			100%		EAD	100		
			30	18								
Semster 2	F	Databases 2	6	4	3H		1.5H	60%	40%	H	70	30
		Programming 2	6	4	3H		1.5H	60%	40%	P		100
	M	Probabilities and Statistics 2(*)	5	3	1.5H		1.5H	60%	40%	P		100
		Mathematics 2	5	3	1.5H	1.5H		60%	40%	H	70	30
	D	Project management	4	2	1.5H			60%	40%	H	70	30
	T	Unix System Administration	2	1	1.5H		1.5H	100%		H	70	30
English Communication II		2	1	1.5H			100%		EAD	100		
			30	18								
Semster 3	F	Information system	6	4	3H		1.5H	60%	40%	H	70	30
		Security and Privacy	6	4	3H		1.5H	60%	40%	P		100
	M	Database administration	5	3	1.5H		1.5H	60%	40%	P		100
		Business intelligence	5	3	1.5H		1.5H	60%	40%	P		100
	D	Introduction to Artificial Intelligence	4	2	1.5H			60%	40%	EAD	100	
	T	Ethics and legal aspects	2	1	1.5H			100%		H	70	30
English Communication III		2	1	1.5H			100%		EAD	100		
			30	18								
Semster 4	F	Big Data Tools and Architecture	6	4	3H		1.5H	60%	40%	P		100
		Machine Learning 1	6	4	3H		1.5H	60%	40%	P		100
	M	Knowledge representation	5	3	1.5H		1.5H	60%	40%	H	70	30
		Cloud computing	5	3	1.5H		1.5H	60%	40%	H	70	30
	D	Data visualization	4	2	1.5H		1.5H	60%	40%	H	70	30
		Web and mobile applications	2	1	1.5H			100%		EAD	100	

	T	English Communication IV	2	1	1.5H			100%		EAD	100	
			30	18								
Semster 5	F	BigData Analytics	6	4	3H		1.5H	60%	40%	P		100
		Machine Learning2	6	4	3H		1.5H	60%	40%	P		100
	M	Bioinformatics	5	3	1.5H		1.5H	60%	40%	H	70	30
		Software engineering	5	3	1.5H		1.5H	60%	40%	H	70	30
	D	Virtualand augmented reality	4	2	1.5H		1.5H	60%	40%	H	70	30
	T	Entrepreneurship andStartup	2	1	1.5H			100%		EAD	100	
		DigitalEconomy	2	1	1.5H			100%		EAD	100	
			30	18								
Semster 6	F	Operational research	6	4	1.5H	1.5H		60%	40%	P		100
	M	Project	20	10	6H				100%	H	70	30
	D	Enterprise Resources Planning	4	4	1.5H			100%		EAD	100	
			30	18								

P:Face-to-face,H: Hybrid,EAD:Distance learning

M:Methodological,F:Fundamental,D:Discovery,T:Transversal

The weighting 70%,30% means that students will be present 1 week out of 3 for each course in an alternating manner.

(*): Studied in Medicine Curriculum