

Parcours

List of courses

	Nature	CM	TD	TP	Crédits
Bio-engineering (BIO)	Module				
The bricks of life	Module	50h		8h	5 credits
Imaging and Wave Therapies	Module	36h		10h	4 credits
Biotechnologies and Chemical Therapies	Module	16h		10h	4 credits
BIO Planet	Module	15h			4 credits
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Dynamique - Mutations - Crises (DMC)	Module				
Mathematical and statistical modeling of complex systems	Module	25h	18h	21h	5 credits
Crisis management: physical and chemical applications	Module	23h	18h	3h	4 credits
Optimization and application to control	Module	14h	10h	14h	3 credits
Dynamic instabilities and chaotic transport	Module	10h	6h	22h	3 credits
Economic modeling: growth and sustainable development	Module	36h	4h		3 credits
Beyond the model	Module	15h	5h	10h	3 credits
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Environnement : management et technologies (ENV)	Module				
Environmental management	Module	32h	6h		3 credits
Circular economy	Module	25h	12h	12h	4 credits
Sustainable chemistry	Module	28h	6h	8h	4 credits
Effluents and pollution	Module	26h	14h	4h	4 credits
Environmental Quality Monitoring	Module	36h	8h	16h	4 credits
Project	Module				2 credits
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Energie durable (ENE)	Module				
Introduction to energy issues and transversal and societal aspects	Module	34h			3 credits
Solar energy	Module	64h	8h		3 credits
Marine, wind and hydraulic energy	Module	50h			4 credits
Nuclear energy	Module	30h	10h	20h	4 credits
Other energies for tomorrow? The examples of biomass and hydrogen	Module	18h	12h		2 credits
Cross-cutting energy concepts: transport, conversion, storage and electrical energy	Module	20h			2 credits
Projects	Module				3 credits
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Sciences de l'information et société numérique (SIS)	Module				
Digital Society: Issues and Regulation	Module	10h	9h	23h	3 credits
Strategic Digital Issues	Module	40h	2h		4 credits
Telecommunications, Learning and Information Technology	Module	40h	4h	6h	4 credits
Statistical Analysis of Information	Module	36h	8h	16h	4 credits
Coding and Retrieval of Information	Module	24h		16h	4 credits
Project	Module				2 credits

