

	ECTS	Coef	Lib long	VOLUME HORAIRE					
				CM	TD	TP	Stage et autre	Total heures étudiant	
<b>Semestre 9</b>	<b>30</b>	<b>15</b>	<b>SEMESTRE 9 DIPLÔME D'INGENIEUR SUP ENR 5ème ANNEE</b>	<b>12</b>	<b>246</b>	<b>10</b>		<b>268</b>	
	20	10	S9UE1 - Energy Engineering	12	138	10		160	
	20	3	1	Innovative technological project			10		10
		1	1	Energy softwares	12	12			24
		6		<b>Choix 6 matières sur 8</b>	<b>0</b>	<b>126</b>			<b>126</b>
		1	1	Energy storage		21			21
		1	1	Hybridization, cogeneration&optimization of energy processes		21			21
		1	1	Materials for energy		21			21
		1	1	Grids and smart grids		21			21
		1	1	Supervision and energy management		21			21
		1	1	Concentrated solar processes		21			21
		1	1	Water and energy : Desalination and pollutant treatment		21			21
	1	1	Bioclimatic architecture and positive energy building		21			21	
	10	5	S9UE2 - Humanities	0	108	0		108	
	10	4		<b>Choix 4 matières sur 5</b>	<b>0</b>	<b>84</b>			<b>84</b>
		1	1	Energy transition and land management of developing country		21			21
		1	1	Environnemental management		21			21
		1	1	Energy transition and land management		21			21
1		1	Energy market		21			21	
1		1	Industrial property and patent		21			21	
	1	1	English		24			24	
<b>Semestre 10</b>	<b>30</b>	<b>1</b>	<b>SEMESTRE 10 DIPLÔME D'INGENIEUR SUP ENR 5ème ANNEE</b>					<b>6</b>	
	30	1	S10UE1 - Internship					6	
	30	1	1	Internship		6		6 mois	6
		X		TOEIC					
		X		Durée du stage					
	X		Séjour à l'étranger						