

## Plan d'études

### Mineur : Energie 2024-25

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Cours		Session Examen	Examen	Crédits
Lang.	Code	Sect.	Enseignants	
<b>Advanced energetics</b>				
E	ME-451	GM	Maréchal	Hiv Oral 5
<b>Air pollution</b>				
E	ENV-409	SIE	Reimann Bhend Takahama Violaki	Eté Ecrit 5
<b>Dam engineering</b>				
E	CIVIL-411	GC	Manso Mouvet	Hiv Oral 3
<b>Energy and comfort in buildings</b>				
E	ENG-445	GC	Khovalyg Licina Sonta	Hiv Pendant le 5 semestre
<b>Energy conversion and renewable energy</b>				
E	ME-409	GM	Maréchal Nguyen	Hiv Ecrit 4
<b>Energy geostructures</b>				
E	CIVIL-444	GC	Laloui	Eté Ecrit 4
<b>Energy storage systems</b>				
E	EE-466	EL	Sossan	Hiv Ecrit 3
<b>Engines and fuel cells</b>				
E	ME-551	GM	Van Herle	Hiv Ecrit 4
<b>Fundamentals &amp; processes for photovoltaic devices</b>				
E	MICRO-565	MT	Ballif	Eté Ecrit 3
<b>Fundamentals of separation processes</b>				
E	ChE-310	CGC	Agrawal	Eté Ecrit 4
<b>Heterogeneous reaction engineering</b>				
E	ChE-403	CGC	Luterbacher	Hiv Ecrit 4
<b>Hydraulic turbomachines</b>				
E	ME-453	GM	Vagnoni	Hiv Ecrit 4
<b>Industrial electronics I</b>				
E	EE-465	EL	Dujic	Hiv Oral 4
<b>Industrial electronics II</b>				
E	EE-565	EL	Dujic	Eté Oral 4
<b>Introduction to nuclear engineering</b>				
E	ME-464	GM	Scolaro	Eté Ecrit 2
<b>Life cycle assessment in energy systems</b>				
E	ENV-510	EL	Margni	Hiv Ecrit 3
<b>Modelling and optimization of energy systems</b>				
E	ME-454	GM	Maréchal	Hiv Oral 4
<b>Plasma I</b>				
E	PHYS-423	PH	Theiler	Hiv Oral 6
<b>Plasma II</b>				
E	PHYS-424	PH	Reimerdes	Eté Oral 6
<b>Process development</b>				
E	ChE-459	CGC	Gouveia Braz Maréchal Ribeiro Domingos	Eté Oral 8
<b>Projet en énergie</b>				
	ME-450	GM	Profs divers	Eté Hiv Pendant le 10 semestre

**Smart grids technologies**

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<i>E</i>	<i>EE-472</i>	<i>EL</i>	<i>Paolone</i>	<i>Eté</i>	<i>Ecrit</i>	<i>5</i>
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**Solid waste engineering**

<i>E</i>	<i>ENV-500</i>	<i>SIE</i>	<i>Ludwig</i>	<i>Hiv</i>	<i>Pendant le</i>	<i>4</i>
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*semestre***Sustainability assessment of urban systems**

<i>E</i>	<i>ENV-461</i>	<i>SIE</i>	<i>Binder Heinrich</i>	<i>Eté</i>	<i>Pendant le</i>	<i>3</i>
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