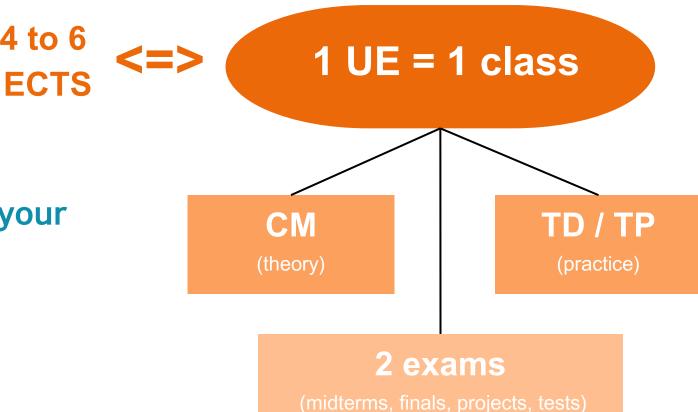


English Courses

Students can choose **7 UE maximum.** We advise you to choose between 4 to 6 UE (30 ECTS).

To avoid schedule clashes, you must choose your subjects in one department only.





French classes



Undergraduate



Graduate - 1st year

- Mechanical Engineering
- Computer Science
- Industrial Systems
- Mechanical Engineering and Ergonomics
- Energy Engineering



Graduate - 2nd and 3rd year

• Specialization in a block





Undergraduate



Graduate - 1st year

- Mechanical Engineering
- Computer Science
- Energy Engineering



Graduate - 2nd and 3rd year

- Computer Science: specialization in Data Science & IA (Spring semester)
- Energy & Mechanical Engineering: free of choice



You are free to add a few of the following classes:



Project class

• Subject free of choice under the lead of one of our teachers



Humanities class

• Languages and Social Sciences

You will find here below the list of the courses taught in English.

This list is from the year 2023-2024 and is given for information only.



To discover all of our courses, go on le guide des UE

Sevenans Campus

FALL SEMESTERUE codeNameECTS creditsMT3ESecond year algebra and analys6PS29Rigid Body Mechanics6IF3E/IF3BIntroducting to databases / Practical Computer Science6

SPRING SEMESTER			
UE code	Name	ECTS credits	
PS28	Thermodynamics	6	
EL22	Introduction to automatisation	6	
LP2A/LP2B	Introduction to object conception and programming / Multimedia: digital representation	6	

Sevenans Campus

FALL SEMESTER

UE code	Name	ECTS credits	Year
MT40	Numerical analysis	6	1
CP58	Lean Product Development	6	2/3
MN56	Advanced modelling and smiluation in mechanical engineering	6	2/3

SPRING SEMESTER

UE code	Name	ECTS credits	Year
CP41	Design methods in mechanical engineering	6	1
MN44	Introduction to mobile-physics simulation	6	1
CP51	PLM and Design for X	6	2/3
CP55	Design and modelling for additive manufacturing	6	2/3
MA53	Material forming and product assembly	6	2/3
MA54	Engineering of innovative materials for design	6	2/3

FALL SEMESTER

UE code	Name	ECTS credits	Year
ER55	Renewable energy: design and control	6	2/3
ER59	Technology, regulation, safety and maintenance of hydrogen energy systems	6	2/3
ER66	Power system analysis and control	6	2/3

SPRING SEMESTER

UE code	Name	ECTS credits	Year
0143	Introduction to Matlab - Simulik	6	1
ER54	Renewable Energy: principle and technology	6	2/3
ER63	Energy storage	6	2/3
SM51	Embedded systems technology	6	2/3
EN53	CEM: theoretical and practical approach	6	2/3

Belfort Campus

FALL SEMESTER

UE code	Name	ECTS credits	Year
PC40	Parallel Computing and Multicolore Architec	6	1
RE4E/RE4F	Indroduction to networks / Routing and switching essentials	6	1
IA53	Machine learning by practice	6	2/3
AI51	Multi-Agent systems and simulation	6	2/3
SV51	Systems and networks virtualization	6	2/3
DA51	Blockchain and distributed system	6	2/3
DA53	Compiler and language theory	6	2/3

Belfort Campus

SPRING SEMESTER

UE code	Name	ECTS credits	Year
IT41	Classical and Quantum Algorithms	6	1
SY43	Android development	6	1
RI53	Radio networks	6	2/3
DATA SCIENC	CE AND IA (block)	26	2/3
DS50	Development project	5	2/3
DS51	Smart analytics and data management	5	2/3
DS52	Business intelligence big data	5	2/3
DS53	Data science fundamentals	5	2/3
DA53	Associate cloud engineer	6	2/3

Courses from the Data Science & IA block must be taken together (DS50, DS51, DS52, DS53, DA53).

EV04

Free electives



FALL & SPRING SEMESTERS

UE code	Name	ECTS credits
TO51	Project in Mechanical Engineering	6
TY21	Project in Computer Science	6
TY41-42-43	Project in Energy Engineering	6
ESP3	Tutored project	6
ESP4	Tutored project	12
ESP5	Tutored project	18

UE code	Name	Semester	ECTS credits
EC07	Nudges		5
CC03	American studies		5
CC05	Intercultural awareness: how to become a global citizen?		5
EI02	The rest of the English speaking world		5
EI03	International security and global challenges		5
EV02	Energy and environment		5
EV03	Sustainable Development		5

Environmental and energy economics

Free electives



FALL & SPRING SEMESTERS

UE code	Name	ECTS credits
LC00 - LC01 - LC02	Chinese (level 0-2)	4
LE01 - LE02	English (level 1-2)	4
LE03	English Level 3	6
LE05	Business English	4
LE07	Technology and Industrial English	4
LE09	Oral communication in English	4
LF70 - LF71 - LF72 - LF73	French (level 0-3)	4
LF74	French (level 4)	6
LG00 - LG01 - LG02	German (level 0-2)	4
LG03	German Level 3	6
LI00 - LI01	Italian (level 0-1)	4
LK00 - LK01	Korean (level 0-1)	4
LS00 - LS01 - LS02	Spanish (level 0-2)	4
LS03	Spanish Level 3	6
LR00	Russian Level 0	4



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